



भारत सरकार  
GOVERNMENT OF INDIA

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पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण  
एनएएससी काम्प्लैक्स, डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली-110012

**PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY**  
**NASC COMPLEX, DPS MARG, Opp. Todapur Village, New Delhi-110012**



सत्यमेव जयते

भारत सरकार  
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भारतीय पौधा किस्म जरनल, खण्ड 13, अंक 03 से 08, मार्च से अगस्त, 2019  
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NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi – 110 012.

‘भारतीय पौधा किस्म जरनल’पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि.कृ.अ. सं.प्रा.) का आधिकारिक जरनल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआरए, एनएएससी काम्प्लैक्स (द्वितीय तल), डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली-110012 की ओर से प्राधिकरण के रजिस्ट्रार द्वारा प्रकाशित किया जा रहा है।

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Passport Data of varieties published for calling objection(s) if any from persons in the matter.

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89.	आरईजी / 2010 / 403 REG/2010/403	बीजे 60214 BJ 60214	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	235
90.	आरईजी / 2010 / 412 REG/2010/412	बीजे 60283 BJ 60283	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	238
91.	आरईजी / 2010 / 423 REG/2010/423	एससीएफ-5026 SCF-5026	फूलगोभी Cauliflower	नई New	242
92.	आरईजी / 2010 / 388 REG/2010/388	एमओके 60036 MOK 60036	भिण्डी Okra	विद्यमान (वीसीके) Extant (VCK)	244
93.	आरईजी / 2012 / 213 REG/2012/213	डब्ल्यू07एनवी037 W07NV037	चपाती गेहूं Bread wheat	नई New	246
94.	आरईजी / 2010 / 397 REG/2010/397	टीएम 61469 TM 61469	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	248
95.	आरईजी / 2010 / 385 REG/2010/385	टीएम 61486 TM 61486	टमाटर Tomato	नई New	250
96.	आरईजी / 2010 / 401 REG/2010/401	टीएम 61460 TM 61460	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	253
97.	आरईजी / 2010 / 379 REG/2010/379	टीएम 61481 TM 61481	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	256
98.	आरईजी / 2010 / 442 REG/2010/442	एस-ईपी-032 S-EP-032	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	259
99.	आरईजी / 2011 / 1321 REG/2011/1321	एस-ईपी-006 S-EP-006	बैंगन Brinjal	नई New	261

100	आरईजी / 2010 / 411 REG/2010/411	बीजे 60252 BJ 60252	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	264
101	आरईजी / 2010 / 410 REG/2010/410	बीजे 60301 BJ 60301	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	268
102	आरईजी / 2012 / 691 REG/2012/691	पीपी 63 PP63	बाजरा Pearl Millet	नई New	271
103	आरईजी / 2013 / 753 REG/2013/753	पीएसपी 68 PSP68	बाजरा Pearl Millet	नई New	273
104	आरईजी / 2007 / 78 REG/2007/78	एमआईपी-007 MIP-007	बाजरा Pearl Millet	नई New	274
105	आरईजी / 2010 / 214 REG/2010/214	डीजीबी-017 DGB-017	बाजरा Pearl Millet	नई New	276
106	आरईजी / 2010 / 419 REG/2010/419	एससीएफ-5029 SCF-5029	फूलगोभी Cauliflower	विद्यमान (वीसीके) Extant (VCK)	277
107	आरईजी / 2010 / 489 REG/2010/489	एनटीएम-62 NTM-62	टमाटर Tomato	नई New	279
108	आरईजी / 2010 / 244 REG/2010/244	डीजीजे-027 DGJ-027	ज्वार Sorghum	नई New	281
109	आरईजी / 2007 / 68 REG/2007/68	एमआईपी-008 MIP-008	बाजरा Pearl Millet	विद्यमान (वीसीके) Extant (VCK)	284
110	आरईजी / 2010 / 437 REG/2010/437	एस-ईपी-002 S-EP-002	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	286
111	आरईजी / 2010 / 369 REG/2010/369	बीजे 60210 BJ 60210	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	290
112	आरईजी / 2010 / 420 REG/2010/420	एससीएफ-5033 SCF-5033	फूलगोभी Cauliflower	विद्यमान (वीसीके) Extant (VCK)	291
113	आरईजी / 2010 / 491 REG/2010/491	एफएन-1902 FN-1902	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	293
114	आरईजी / 2010 / 480 REG/2010/480	बीए-1028 BA-1028	टमाटर Tomato	विद्यमान (वीसीके) Extant (VCK)	295
115	आरईजी / 2007 / 9 REG/2007/9	जे 1119 J 1119	ज्वार Sorghum	विद्यमान (वीसीके) Extant (VCK)	296
116	आरईजी / 2009 / 475 REG/2009/475	एनएस-509ए NS-509A	ज्वार Sorghum	विद्यमान (वीसीके) Extant (VCK)	298
117	आरईजी / 2010 / 439 REG/2010/439	एस-ईपी-047 S-EP-047	बैंगन Brinjal	विद्यमान (वीसीके) Extant (VCK)	299
118	आरईजी / 2010 / 184 REG/2010/184	जेकेसी 11 JKC 11	चतुर्गुणित कपास	विद्यमान Extant	301

			Tetraploid cotton		
119	आरईजी / 2010 / 186 REG/2010/186	जेकेसी 612 JKC 612	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	304
120	आरईजी / 2010 / 187 REG/2010/187	जेकेसी 721 JKC 721	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	306
121	आरईजी / 2011 / 251 REG/2011/251	आरसीएच-134 बीजी II RCH-134 BG II	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	308
122	आरईजी / 2012 / 284 REG/2012/284	पीसी-पी1512 PC-P1512	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	310
123	आरईजी / 2008 / 248 REG/2008/248	सी 5618 C 5618	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	313
124	आरईजी / 2008 / 543 REG/2008/543	एनसीएचबी 945 बीटी NCHB945Bt	चतुर्गुणित कपास Tetraploid cotton	नई New	315
125	आरईजी / 2009 / 21 REG/2009/21	केसीएस-89 बीजी II KCS-89BGII	चतुर्गुणित कपास Tetraploid cotton	नई New	318
126	आरईजी / 2009 / 191 REG/2009/191	एनसी-161 NC-161	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	320
127	आरईजी / 2009 / 192 REG/2009/192	एनसी-166 NC-166	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	322

128	आरईजी / 2009 / 204 REG/2009/204	एनसी-187 NC-187	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	324
129	आरईजी / 2009 / 208 REG/2009/208	एनसी-201 NC-201	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	326
130	आरईजी / 2009 / 233 REG/2009/233	एनसी-217 NC-217	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	328
131	आरईजी / 2009 / 285 REG/2009/285	बायो 6010211 BIO 6010211	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	330
132	आरईजी / 2008 / 258 REG/2008/258	सी 5711 C 5711	चतुर्गुणित कपास Tetraploid cotton	नई New	332
133	आरईजी / 2010 / 188 REG/2010/188	जेकेसी 725 JKC 725	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	335
134	आरईजी / 2010 / 253 REG/2010/253	पीसी-पी 17 PC-P17	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	337
135	आरईजी / 2010 / 530 REG/2010/530	पीएससीपी-04 PSCP-04	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	339
136	आरईजी / 2010 / 538 REG/2010/538	पीसी-पी 8011 बीटी PC-P8011 Bt	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	341
137	आरईजी / 2012 / 269 REG/2012/269	एसी-710 AC-710	चतुर्गुणित कपास	विद्यमान Extant	343

			Tetraploid cotton		
138	आरईजी / 2013 / 105 REG/2013/105	एनसीएस-495 बीजी II NCS-495 BGII	चतुर्गुणित कपास Tetraploid cotton	नई New	345
139	आरईजी / 2013 / 235 REG/2013/235	पीसी-पी 751 PC-P751	चतुर्गुणित कपास Tetraploid cotton	नई New	348
140	आरईजी / 2015 / 676 REG/2015/676	एनजे-5070 NJ-5070	पटसन Jute	नई New	350
141	आरईजी / 2015 / 678 REG/2015/678	एनजे-7055 NJ-7055	पटसन Jute	नई New	352
142	आरईजी / 2009 / 243 REG/2009/243	एनपी-279 (पूजीथा) NP-279 (POOJITHA)	चतुर्गुणित कपास Tetraploid cotton	नई New	354
143	आरईजी / 2010 / 536 REG/2010/536	पीसी-पी-17 बीटी PC-P-17 Bt	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	356
144	आरईजी / 2010 / 260 REG/2010/260	सीरी SIRI	चावल Rice	नई New	358
145	आरईजी / 2010 / 229 REG/2010/229	एनसी-2151 NC-2151	चतुर्गुणित कपास Tetraploid cotton	विद्यमान Extant	360
146	आरईजी / 2015 / 792 REG/2015/792	मेघजावैन meghjawain	चावल Rice	कृषक Farmer	363
147	आरईजी / 2015 / 1807 REG/2015/1807	छटुई मुखी CHATUI MUKHI	चावल Rice	कृषक Farmer	365
148	आरईजी / 2019 / 2 REG/2019/2	अमारा (एमटीयू-1064) AMARA(MTU-1064)	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	367
149	आरईजी / 2019 / 3 REG/2019/3	जीएनआर-5 (एनवीएसआर-6137) GNR-5 (NVSR-6137)	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	369

150	आरईजी / 2016 / 1324 REG/2016/1324	आरएचबी-0711 (फूले धारा) RHB-0711(Phule Dhara)	चतुर्गुणित कपास Tetraploid cotton	विद्यमान (अधिसूचित) Extant Notified	372
151	आरईजी / 2016 / 232 REG/2016/232	सीआर धान 500 (आईईटी 20220) CR Dhan 500 (IET 20220)	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	374
152	आरईजी / 2017 / 16 REG/2017/16	जीएनआर-3 GNR-3	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	376
153	आरईजी / 2017 / 18 REG/2017/18	केएचपी-10 KHP-10	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	379
154	आरईजी / 2019 / 103 REG/2019/103	केएचपी-13 (भारथ) KHP-13 (Bharath)	चावल Rice	विद्यमान (अधिसूचित) Extant Notified	381

16. परवल की विशिष्टता, एकरूपता एवं स्थायित्व परीक्षण के दिशा-निर्देश।

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Guidelines for the conduct of Test for the Distinctiveness, Uniformity and Stability of Pointed Gourd.

### Seeds sent to DUS Centres from March to July 2019

Crop	March	April	May	June				July			Grand Total
		New	New	New	VCK	Farmer	EDV	New	VCK	Farmer	
Blackgram				1		9					10
Brinjal										1	1
Castor								1		2	3
Cotton		5	1	11	2		1		1		21
Finger Millet						3					3
Foxtail Millet						2					2
Garlic										3	3
Ginger										3	3
Greengram						4					4
Groundnut					1	1					2
Kidney bean					2	1					3
Kodo						1					1
Maize				41	11	22					74
Marigold										3	3
Okra								11		1	12
Pearl Millet				13		2					15
Pigeon Pea						5					5
Rice				41	5	40				1	87
Safflower								1	1		2
Sesame						4					4
Sorghum				2							2
Soybean						1					1
Turmeric										4	4
<b>Grand Total</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>109</b>	<b>21</b>	<b>95</b>	<b>1</b>	<b>13</b>	<b>2</b>	<b>18</b>	<b>265</b>



**Dated: 18.04.2019**

**PUBLIC NOTICE**

The PPV&FR Authority in its 29<sup>th</sup> meeting held on 16<sup>th</sup> April, 2018 has approved to use the harvested seed of 1<sup>st</sup> season in the 2<sup>nd</sup> season for the DUS testing of new varieties. It was also approved that for hybrids, the seeds of candidate variety submitted along with seeds of parental lines shall be tested to conform the identity of parental line, parental formula used to develop the hybrid. Where maintainer of male sterility was involved the same would have to be used for producing the maintainer line seed also. A committee was constituted by the Authority to decide upon the field dimensions and modalities as an integral exercise of DUS testing of first year of self pollinated and cross pollinated crops for varieties and hybrids. The committee has submitted its report and the same was approved by the Authority in its 30<sup>th</sup> Meeting. The recommendations of the committee were as follows:-

1. In case of hybrids, applicant should be asked to submit the specified and required quantity of seeds of genetically pure parental lines (inbreds, A line, B line, R line etc. depending upon the nomenclature used in different crops) of hybrids along with claimed DUS descriptors. The applicant should also inform the Authority about detailed method, along with any specific requirement, used for producing seed of hybrid. The information on flowering time of parental lines would be critically

required in order to ensure nicking of male and female parental lines by staggered sowing in seed multiplication plots, if the need be.

2. During first year of DUS testing, the hybrid seeds submitted by applicant should be tested at DUS centres along with suitable reference varieties. Simultaneously, the parental lines submitted by the applicant should be grown at the testing site of the Authority to produce the F1(hybrid) seeds.
3. The quantity of inbred seeds to be submitted by applicant depends on the seed size (test weight) of crop, seed multiplication ratio and quantity of F1 seed required for DUS testing of hybrid in second year of testing.
4. The plot size of parental lines for producing hybrid seed for 2nd year of testing shall be governed by the quantity of seed material required for DUS testing and also for storing at gene bank of the Authority.
5. The quantity of F1 hybrid seeds to be produced by Authority depends on the plot size of DUS test in target crop. In the second year, the F1(hybrid) seeds produced by the Authority will be sent to DUS centre for testing along with the hybrid seeds submitted by the applicant to ensure the claimed genuineness of parental combination of hybrids.
6. If the hybrid seeds submitted by the applicant is confirmed to be similar to seeds produced by the Authority by using supplied parental lines, it will confirm the identity of the parents and parental formula used to develop hybrid variety.

7. In case of DUS test of VCK (hybrid), F1 seeds should be produced at testing site of the Authority using parental lines supplied by the applicant in the first season and DUS testing should be carried out in the next season at the designated DUS centres.

**(R.C. Agrawal)**  
**Registrar-General**

Dated: 17.05.2019

**PUBLIC NOTICE**

**(1 of 2019)**

**Sub:- Public Notice under Section 20(1) of PPV&FR Act, 2001.**

**The guidelines/procedure for DUS testing of a hybrid variety compulsorily with its parental lines in the case of seed propagated notified plant species** a) Only applications for DUS testing of

single cross hybrids produced through inbred parental mating shall be accepted for registration, as a three-way crossed or double crossed or multiparent chain-crossed hybrid can never be identically reproduced by mating the same parents to establish stability and uniformity parameters in the resultant hybrid.

b. A hybrid variety will be registered as a compound registration with same REG numerals for the hybrid variety, parental lines ( A, B, R or A, B combination as the case may be), but each genotype shall be specifically designated with suffix alphanumeric digit/s in the last digit/s indicating the identity of the parent or hybrid. REG number of the Hybrid which shall carry 'H' as suffix as the last digit in its REG number, while A, B and R will be suffixed with parents as required when cytoplasmic male sterility (CMS) system is involved where A parent would be described as (Male sterile), B as (Maintainer of A) and R as (Restorer), and P1 (Female), P2 (Male) when two parents are involved with the same REG number.

c. Only single registration fee will be charged for the hybrid system registration while, depending on the number of parents of the hybrid that require DUS testing (exceptions are when one of the parents is already registered as a variety or as a parent of another hybrid, or when both parents are already registered as varieties or as parents of two different hybrids, respectively, in which case these parents do not need DUS testing, but shall need only hybrid production verification) , the testing fees shall be charged separately for each of the parents and their hybrid.

d. The certificates with the compound set shall be separately issued for each parent and hybrid indicating the denomination of the hybrid/hybrids in the case of parents and denominations of all the parents in the case of hybrid.

e. If one or more than one involved parent is already a registered variety or a parent of other hybrid/hybrids registered, the same would be indicated retaining the original and earliest REG and Certificate serial numbers as well as date of registration of the variety or parent, as the case may be, mentioning the name of all the hybrids including the latest candidate hybrid. The date of earliest registration of such parental line or variety shall be retained also on the candidate hybrid for validity of the protection period of the candidate hybrid variety being limited to the parental line/variety registered earliest. The period of protection shall be mentioned on the certificate of the hybrid as the date of valid period of protection of the earliest registered parental line/variety.

f) The candidate Hybrid variety and its parental lines (2 or 3 as the case may be) will be separately DUS tested as required (please see c above). The hybrid shall be tested at the

notified DUS centres of the hybrid for two seasons while its parents shall be tested for two years by the PPVFRA centre/s maintaining confidentiality. The second year testing of the hybrid and parents shall comprise two plots of the candidate hybrid and parents at respective location/s of which one will be from the hybrid and parental seed produced by the Authority and the other as supplied by the applicant. f) If a candidate hybrid variety or any of the parent/parents under DUS testing fails on Uniformity test, and in the case of parent/parents on Stability test, then the hybrid along with its parents that generated it shall be rejected.

g. If a candidate hybrid variety passes Uniformity and fails on distinctiveness with a reference Hybrid or other Hybrid varieties, and the candidate Hybrid's parents show distinctiveness with other inbreds/parents as well as parents of registered or reference Hybrids, then the Hybrid + parents qualify for protection as the hybrid shall be a genotypically distinct product from the reference/registered Hybrids and shall therefore be registered on the basis of genotypic distinguishability as (where genotyping as a special test shall be taken up as per Rule 29(b), at additional cost to the applicant as an option to obtain registration) . However, when parents/parent of an otherwise distinct uniform candidate hybrid do not pass DUS testing for distinctiveness with reference parents/inbreds or parents of other registered/reference Hybrids, then upon confirmation that the candidate Hybrid produced from such non-distinct parents are indeed distinct, then the involved parents and candidate Hybrid are also eligible for protection and shall be registered after special genotyping special test of the non-

distinguishable parents/inbreds. The product distinct hybrid itself becomes a verification as a special test result of the involved non-distinguishable parents in case genotyping is not possible due to lack of genomic resources in the species. In such cases two sets of hybrids shall be produced by involving the two non-distinguishable parents in two crosses with the other distinct parent of the candidate hybrid. The hybrids thus produced shall be more likely distinctive if the two non-distinguishable parents differed genotypically. . The cost of such hybrid seed production by the Authority shall be payable by the applicant of the candidate hybrid as a matter of choice for obtaining registration of the hybrid and parental varieties.

h. If the hybrid is rejected on account of uniformity, but any of the parent or parents pass the DUS, such parent or parents can be registered as new variety, varieties with the option to be exercised by the applicant with the deposit of additional registration fee as the case may be, but shall be designated as “inbred variety” not be referred to the Hybrid system

h. Accordingly, dependent on the outcome decided by the Registrar, there would be registration certificate issued as follows with one REG group for one hybrid system including the hybrid and parents involved, however, keeping separate individual serial number on each certificate to facilitate separate licensing option of each parent as desired by the registered breeder:

i). Hybrid : (DENOMINATION e.g. **RRH 2021**) SI No. 000001, REG No. (year)0001H (Hybrid Variety) with following description in parantheses:

[Parents of the Hybrid (as the case may be), e.g., **XML19A**(REG No.(year)0001A

(Male sterile), **XML19B** (REG No.(year)0001B (Maintainer), **SRR12** (REG No.(year) 0001R (Restorer)]

ii). Parent 1: **XML19A** SI No.000002, REG No. (year) 0001A(Male sterile)

[Female parent of Hybrid **RRH 2021** (REG No. (year)0001H)

iii). Parent 2: **XML19B** SI No.000003, REG No. (year) 0001B(Maintainer)

(Male sterility maintainer parent of Hybrid **RRH 2021** (REG No. (year)0001H)

iv). Parent 3: **SRR12** SI No.000004 (REG No.(year) 0001R (Restorer)

(Male fertility restorer parent of Hybrid **RRH 2021** (REG No. (year)0001H)

If any parent is already registered, for e.g. Parent **SRR12** in the above case, then its certificate shall carry the following numbering system :

Parent 3: **SRR12** SI No.000004 (REG No.(year) 0001R (Restorer)

(Male fertility restorer parent of Hybrid **KKH 2016** (REG No. (2016)0045H)

i. Each certificate shall essentially carry in bold an item following the denomination description, as

REGISTRATION VALID TILL : \_\_\_\_\_

j. The validity period of registration of seed propagated non-perennial hybrid shall be as follows (as on 10.05.201):



New Hybrid Variety: 15 years if none of the parents involved is previously registered. If one or more of the parents is previously registered, the validity period of the hybrid will be that of the earliest parent.

This comes into force with immediate effect.

**(R.C. Agrawal)**  
**Registrar-General**

**Dated: 17.05.2019**

**PUBLIC NOTICE**

**(2 of 2019)**

**Sub:- Public Notice under Section 20(1) of PPV&FR Act, 2001 read with Rule 8 of PPV&FR Rules, 2003.**

The REG number is allotted at the time of acceptance of application for registration of a plant variety after examining the application for complete information, seed(s) and fee(s) as due. Hence, date of filing is the date of issuance of REG number to the variety.

This comes into force with immediate effect.

**(R.C. Agrawal)**

**Registrar-General**

**F. No. PPVFRA/04/18(Part File)**

**Date 17th May, 2019**

**PUBLIC NOTICE**  
**(3 of 2019)**

It is hereby informed that in case of online payments through RTGS and payment through Swipe Machine installed in PPV&FRA the followings codes may be mandatorily be used in respect of the transactions effected.

A1	APPLICATION FORM -I FOR REGISTRATION -
A2	APPLICATION FORM - II FOR REGISTRATION OF EDV -
PV 3	Notice of Opposition
PV 4	Counter-Statement
PV 5	Request for Extension of Time
PV 6	Renewal of Registration
PV 7	Benefit Sharing Application
PV 8	Notice of Opposition
PV 9	Registration as an Agent or Licensee
PV 10	Application for Variation/Cancellation of the term of Registration
PV 11	Notice of Opposition against variation/ cancellation of the term of Registration
PV 12	Applications to Surrender the Certificate of Registration of a Plant Variety
PV 13	Notice of Opposition for offer to surrender the Certificate
PV 14	Notice of Intention to attend Hearing
PV 15	Applications to Revoke Certificate of Registration
PV 16	Notice of Opposition to application to Revoke Certificate of Registration
PV 17	Application for an opportunity of being heard
PV 18	Applications for Cancellation or Change of the Certificate of Registration of a Plant Variety

PV 19	Application for correction in National Plant Variety Register
PV 20	Notice of Opposition for Application for correction in National Plant Variety Register
PV 21	Application for correction in National Plant Variety Register by Owner/ Breeder
PV 22	Application for correction in National Plant Variety Register by registered Agent or Licensee
PV 23	Application to alter Denomination of a Registered Plant Variety
PV 24	Notice of Opposition to Application to Alter Denomination of a Registered Plant Variety
PV 25	Applications for Claiming Compensation
PV 26	Notice of Opposition to Application for Claiming Compensation
PV 27	Notice of opposition to application for claiming compensation
PV 28	Application for grant of compulsory license
PV 29	Notice of Opposition to an Application for Grant of Compulsory License
PV 30	Applications for Revocation of Compulsory License
PV 31	Notice of Opposition for Application for Revocation of Compulsory License
PV 33	Requests for Certified Copy
GENE FUND	
AF	Annual Fee
CO	Costs

**(R. C. Agrawal)**  
**Registrar-General**

Dated: 28.05.2019

**PUBLIC NOTICE**

**(4 of 2019)**

The PPV&FR Authority in its 31<sup>st</sup> meeting held on 30<sup>th</sup> April, 2019, has approved under Rule 29(9) of PPV&FR Rules, 2003, the DUS Test Guidelines for following Crop Species published in the PVJ namely:-

Sl. No.	Name of Crop Species	Published in PVJ
1.	Melia ( <i>Melia dubia</i> Cav.)	June, 2018

Sd/-  
(R.C. Agrawal)  
Registrar-General

Dated: 28.05.2019

**PUBLIC NOTICE**

**(5 of 2019)**

Under Rule 22(2) of PPV&FR Rules, 2003, the PPV&FR Authority in its 31<sup>st</sup> meeting held on 30<sup>th</sup> April, 2019, has determined and fixed the time limit for registration of extant variety of the following crop species as follows:-

Sl.no.	Name of Crop Species	Published in PVJ	Time-limit for registration of Extant Notified Variety and Extant Variety about which there is Common Knowledge	Time-limit for registration of Farmers Variety
1	Melia ( <i>Melia dubia</i> Cav.)	PVJ Vol.12 No.4	6 years from the date of publication of approval of Authority in Plant Variety Journal of India	10 years from the date of publication of approval of Authority in Plant Variety Journal of India.

Sd/-  
( R.C. Agrawal)  
Registrar-General

Dated: 28.05.2019

**PUBLIC NOTICE**

**(6 of 2019)**

In accordance with Rule 29(1)(a) of PPV&FR Rules, 2003, the PPV&FR Authority in its 31<sup>st</sup> meeting held on 30<sup>th</sup> April, 2019 has approved the DUS test fees of the following crop species which are hereunder:-

Sl.No.	Name of Crop Species	Published in PVJ	DUS test fees	On-site DUS test fees
1.	Melia ( <i>Melia dubia</i> Cav.)	PVJ Vol.12 No.4	Rs.30,000	Rs.40,000

Sd/-  
( R.C. Agrawal)  
Registrar-General

Dated: 28.05.2019

**PUBLIC NOTICE**

**(7 of 2019)**

**Sub:- Approval of Revised DUS test guidelines of Pearl millet (*Pennisetum glaucum* (L.) R. Br., and Sorghum (*Sorghum bicolor* (L.) Moench under Rule 29(8) and (9) of PPV&FR Rules, 2003**

The PPV&FR Authority in its 31<sup>st</sup> Meeting held on 30<sup>th</sup> April, 2019 has approved the revised DUS test guidelines of the Pearl millet (*Pennisetum glaucum* (L.) R. Br., and Sorghum (*Sorghum bicolor* (L.) Moench) published in PVJ Vol.12 No.4.

**Sd/-  
(R.C. Agrawal)  
Registrar-General**



Dated: 28.05.2019

**PUBLIC NOTICE**

**(8 of 2019)**

**Sub:- Section 19 & 20 of PPV&FR Act, 2001 - Requirement of providing by applicants who are filing from abroad, the planting materials for on-site DUS testing in case of trees and vines.**

In case of applications for registration of trees and vines from outside India, the planting materials for on-site DUS testing must be provided by the applicants.

**Sd/-  
( R.C. Agrawal)  
Registrar-General**

**Dated: 28.05.2019**

**PUBLIC NOTICE**

**(9 of 2019)**

**Sub:- Electronic mail for correspondences.**

It is hereby brought to the knowledge of all the concerned that henceforth no hard copies shall be served for queries and post email confirmation for Notices shall be issued keeping the email as the date of issue. Farmers varieties will continue to be hard copy based for communication.

**Sd/-  
( R.C. Agrawal)  
Registrar-General**

**Dated: 06.06.2019**

**PUBLIC NOTICE**

**(10 of 2019)**

**Sub:- Public Notice under Section 20 of PPV&FR Act, 2001 - Application for registration of a varieties notified under Section 5 of Seeds Act, 1966 will be considered under the category of Extant Varieties notified under Section 5 of Seeds Act, 1966.**

It is hereby brought to the knowledge of all the concerned that henceforth application for registration of a varieties notified under section 5 of seeds act, 1966 will be considered under the category of extant varieties notified under section 5 of seeds act, 1966 and if any such application (Extant Varieties notified under Seeds Act, 1966) is filed under any other category the applicant will be directed by Registrar under Section 20(2)(a) to amend the application.

**Sd/-  
( R. C. Agrawal)  
Registrar-General**

Dated: 12.06.2019

**PUBLIC NOTICE**

**(11 of 2019)**

**Sub:- Public Notice under Section 28 of PPV&FR Act, 2001 regarding registration of Agents and licensees.**

Under Section 28 of PPV&FR Act, 2001, all agents and licensees dealing with registered varieties must register themselves with PPV&FR Authority by filing PV-9 (Section 28 read with Rule 45) (in triplicate) accompanied with a fee of Rs.15,000/- (Rupees fifteen thousand only) payable by way of Demand Draft/ Cheque in favour of “PPV&FR Authority” payable at New Delhi. The form for authorisation of agents and licensees shall be in accordance with Form 1-A of PPV&FR Regulations, 2006. Further the said agent and licensee registered under PPV&FR Act, 2001 with reference to a particular registered breeder and variety is bound to pay annual fees as notified vide S.O. No.2182 dated 26<sup>th</sup> August, 2009 published in the Official Gazette under Section 35 of PPV&FR Act, 2001 ([www.plantauthority.gov.in](http://www.plantauthority.gov.in))

In case of extant varieties notified under Section 5 of Seeds Act, 1966 where the period of protection is computed for 15 years from the date of notification under Seeds Act, 1966 and the term of any agent or licensee has expired without registration as agent or licensee under PPV&FR Act, 2001, even such agent or licensee is liable to pay annual fee in accordance with Section 35 of PPV&FR Act, 2001 failing which the arrears of annual fee will be recovered as arrears of land revenue in accordance with Section 35 (3) of PPV&FR Act, 2001. If any registered breeder fails/facilitates to get registered his agent or licensee, then registration certificate is liable to be cancelled under Section 36(4) of PPV&FR Act, 2001.

Sd/-

**(R.C. Agrawal)**  
**Registrar-General**

Dated: 13.06.2019

**PUBLIC NOTICE**

**(12 of 2019)**

**Sub:- Public Notice under Section 19 of PPV&FR Act, 2001 regarding seeds submitted for DUS testing.**

In case of pending applications where no seeds of parents as well as candidate hybrid has been submitted, so far those applications are to be rejected and closed. In the cases where one of the parents is registered as variety or inbred line, other parents and candidate hybrid will be processed for registration. Under no circumstances seeds of any parents even if it less than the stipulated quantity required shall be asked to deposit any seed again. Available seeds at National Gene Bank in such cases shall only be optimally utilised for minimum number based DUS testing. In case even such minimal number of seeds is also not available such application shall be rejected. In case any of the parents is already protected as a variety or inbred line the available seeds at NGB shall be taken for minimal plant population as required to produce the hybrids

Sd/-

**(R.C. Agrawal)  
Registrar-General**

**FORM O - 1**  
**(See Rule 30)**  
**Government of India, Plant Varieties Registry**

1. Application No. 

N12	ZM34	12	293
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 filed on 09.07.2012 by **Kaveri Seed Company Ltd, #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India** for **New** variety of crop **Maize** (*Zea mays* L.) having denomination **KML 2293** has been accepted and given registration number -----NA -----on ----- NA ----  
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The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KML 2293  
**Applicant** : Kaveri Seed Company Ltd  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India  
Nationality of applicant : Indian

**Application details**

a. Number : 

N12	ZM34	12	293
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b. Date of receipt : 09.07.2012  
c. Date of acceptance : --  
Crop (Taxonomical lineage) : Maize (*Zea mays* L.)  
Denomination : KML 2293  
Type of variety : New Variety  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : KML 2293 (Base population) (Selfing)  
Source of parental material : Own germplasm  
Name of reference varieties : HKI 161

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)	Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)	Present

Plant: Length (up to flag leaf) (Characteristic 15.1)	Long	
Ear: Type of grain (in middle third of ear) (Characteristic 22)	Flint to semi-flint	
<b>B. Distinct characteristics of candidate variety:</b> <b>KML 2293</b> has distinguishing character as Ear: Colour of top of grain: Yellow		
<b>C. Distinct characteristics of reference variety:</b> <b>HKI 161</b> has character as Ear: Colour of top of grain: Red		
<b>D. Date of commercialization of the variety</b>	N/A	
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/Late)	78-82 (Late)
2	The best growing season to attain the potential yield (Zone wise)	Rabi season in all maize growing zones
3	Cropping/ climatic zone in which the variety recommended for cultivation	All maize growing climatic zones in India for production.
4	Resistance/ Tolerance to pest/ disease	Tolerant to TLB, PFSR foliar diseases and moderately tolerant to pests.
5	Seed yield/ac (Average)	7.2-10 q/ac
6	Thousand grain weight (g)	330g
7	Any other measures to achieve the potential yield	Avoid thick sowing (10-15cm plant to plant and row to row 45-50 cm), Prior in time field operation has to be done to get potential yields.

2. Application No.  filed on 27.10.2010 by **Kaveri Seed Company Ltd, #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India** for New variety of crop **Maize** (*Zea mays* L.) having denomination **KML 2006** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KML 2006  
**Applicant** : Kaveri Seed Company Ltd

**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India

Nationality of applicant : Indian

**Application details**

a. Number : 

N45	ZM45	10	325
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b. Date of receipt : 27.10.2010

c. Date of acceptance : --

Crop (Taxonomical lineage) : Maize (*Zea mays* L.)

Denomination : KML 2006

Type of variety : New Variety

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : Base population (selfing)

Source of parental material : Own germplasm

Name of reference varieties : HKI 161

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>	
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)	Late	
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late	
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)	Present	
Plant: Length (up to flag leaf) (Characteristic 15.1)	Short	
Ear: Type of grain (in middle third of ear) (Characteristic 22)	Flint	
<b>B. Distinct characteristics of candidate variety:</b> KML 2006 has distinguishing character as Length of ear without husk: Short, Shape of ear: Conical		
<b>C. Distinct characteristics of reference variety:</b> HKL 161 has character as Length of ear without husk: Medium, Shape of ear: Cylindrical		
<b>D. Date of commercialization of the variety</b>	N/A	
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/Late)	60-63 (Late)



2	The best growing season to attain the potential yield (Zone wise)	Rabi season in all maize growing zones
3	Cropping/ climatic zone in which the variety recommended for cultivation	All maize growing climatic zones in India for Production
4	Resistance/ Tolerance to pest/ disease	-
5	Seed yield/ac (Average)	5-8 q/ac
6	Thousand grain weight (g)	250g
7	Any other measures to achieve the potential yield	Avoid thick sowing (10-15cm plant to plant and row to row 45-50cm), Prior in time field operation has to be done to get potential yields.

3. Application No. 

N32	ZM32	10	239
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 filed on 10.08.2010 by **Kaveri Seed Company Ltd, #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India** for New variety of crop **Maize** (*Zea mays* L.) having denomination **KML 5253** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KML 5253  
**Applicant** : Kaveri Seed Company Ltd  
**Address of the applicant** : #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India

Nationality of applicant : Indian

**Application details**

N32N	ZM32Z	1012	239293
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a. Number :  
b. Date of receipt : 10.08.2010  
c. Date of acceptance : --  
Crop (Taxonomical lineage) : Maize (*Zea mays* L.)  
Denomination : KML 5253  
Type of variety : New Variety  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : KMGP82 x KMGP221  
Source of parental material : Own germplasm  
Name of reference varieties : HKI 161

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)		Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Late
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)		Present
Plant: Length (up to flag leaf) (Characteristic 15.1)		Short
Ear: Type of grain (in middle third of ear) (Characteristic 22)		Dent
<b>B. Distinct characteristics of candidate variety:</b> KML 5253 has distinguishing character as width of leaf blade (leaf of upper ear): Narrow, Kernel shape: Indented		
<b>C. Distinct characteristics of reference variety:</b> HKL 161 has character as width of leaf blade (leaf of upper ear): Medium & broad, Kernel shape: Round		
<b>D. Date of commercialization of the variety</b>		N/A
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/Late)	70-73 (Late)
2	The best growing season to attain the potential yield (Zone wise)	Rabi season in all maize growing Zone
3	Cropping/ climatic zone in which the variety recommended for cultivation	All maize growing climatic zones in India for production
4	Resistance/ Tolerance to pest/ disease	Tolerant to PFSR, DM, foliar diseases and Moderately tolerant to pests
5	Seed yield/ac (Average)	6-8 q/ac
6	Thousand grain weight (g)	300g
7	Any other measures to achieve the potential yield	Avoid thick sowing (10-15cm plant to plant and row to row 45-50cm). Prior in time field operation has to be done to get potential yield.

4. Application No. 

N4645	ZM46	10	326
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 filed on 27.10.2010 by **Kaveri Seed Company Ltd, #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India** for a New variety of crop **Maize** (*Zea mays* L.) having denomination **KML**

2078 has been accepted and given registration number -----NA -----on -----  
NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on  
-----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KML 2078  
**Applicant** : Kaveri Seed Company Ltd  
**Address of the applicant** : #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana, India  
Nationality of applicant : Indian  
Application details : 

N46	ZM46	10	326
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a. Number :  
b. Date of receipt : 27.10.2010  
c. Date of acceptance : --  
Crop(Taxonomical lineage) : Maize (*Zea mays* L.)  
Denomination : KML 2078  
Type of variety : New Variety  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Base population (selfing)  
Source of parental material : Own germplasm  
Name of reference varieties : HKL 161

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)	Early to Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Early to Late
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)	Absent to Present
Plant: Length (up to flag leaf) (Characteristic 15.1)	Medium
Ear: Type of grain (in middle third of ear) (Characteristic 22)	Dent
<b>B. Distinct characteristics of candidate variety:</b> KML 2078 has distinguishing character as Type of grain in middle third of ear: Dent, Anthocyanin colouration of glumes of cob: Light purple	
<b>C. Distinct characteristics of reference variety:</b>	

<b>HKL 161</b> has character as Type of grain in middle third of ear: Flint, Anthocyanin colouration of glumes of cob: Dark purple & White		
<b>D. Date of commercialization of the variety</b>		N/A
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/Late)	62-65 (Late)
2	The best growing season to attain the potential yield (Zone wise)	Rabi season in all maize growing zones.
3	Cropping/ climatic zone in which the variety recommended for cultivation	All maize growing climatic zones in India for production
4	Resistance/ Tolerance to pest/ disease	Tolerant to PFSR, BLSB diseases and moderately tolerant to pests
5	Seed yield/ac (Average)	5-7.2 q/ac
6	Thousand grain weight (g)	280g
7	Any other measures to achieve the potential yield	Avoid thick sowing (10-15cm plant to plant and row to row 45-50cm). Prior in time field operation has to be done to get potential yield.

5. Application No. 

N2	ZM2	10	48
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 filed on 22.02.2010 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana, India** for New variety of crop **Maize** (*Zea mays* L.) having denomination **NM-250** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NM-250  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana

Nationality of applicant : Indian

**Application details**

N2	ZM2	10	48
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a. Number :

b. Date of receipt : 22.02.2010

c. Date of acceptance : --

Crop (Taxonomical lineage) : Maize (*Zea mays* L.)

Denomination : NM-250  
 Type of variety : New Variety  
 Classification of variety : Typical  
 Previously proposed : Not applicable  
 Denomination  
 Name of parental material : Population 19 (Selfing and selection)  
 Source of parental material : Own germplasm  
 Name of Reference Varieties : HKL 161, HKL 323

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)		Medium to Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)		Medium to Late
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)		Absent
Plant: Length (up to flag leaf) (Characteristic 15.1)		Short to Long
Ear: Type of grain (in middle third of ear) (Characteristic 22)		Dent
<b>B. Distinct characteristics of candidate variety:</b> NM-250 has distinguishing character as Type of grain in middle third of ear: Dent, Anthocyanin colouration of glumes of cob: Dark purple		
<b>C. Distinct characteristics of reference variety:</b> HKL 161 has character as Type of grain in middle third of ear: Semi-flint & Flint, Anthocyanin colouration of glumes of cob: White		
<b>D. Date of commercialization of the variety</b>		21.4.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/ Late)	53 days (Medium)
2	The best growing season to attain the potential yield (Zone wise)	Kharif and Rabi in all Zones
3	Cropping/ climatic zone in which the variety recommended for cultivation	Peninsular India
4	Resistance/ Tolerance to pest/ disease	-

5	Seed yield/ac (Average)	10-12 q/ac
6	Thousand grain weight (g)	200-300 g
7	Any other measures to achieve the potential yield	--

6. Application No. 

E11	ZM23	12	249
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 filed on 29.06.2012 by **Yaaganti Seeds Pvt. Ltd., 3<sup>rd</sup> Floor, 8-2-277/45, UBI Colony, Road No.3, Banjara Hills, Hyderabad-500034, India** for a **Extant (VCK)** of crop **Maize (*Zea mays* L.)** having denomination **GP-M27** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : GP-M27  
**Applicant** : Yaaganti Seeds Pvt. Ltd.  
**Address of the applicant** : 3<sup>rd</sup> Floor, 8-2-277/45, UBI Colony, Road No.3, Banjara Hills, Hyderabad-500034, India

Nationality of applicant : Indian

**Application details**

a. Number : 

E11	ZM23	12	249
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b. Date of receipt : 29.06.2012

c. Date of acceptance : --

Crop (Taxonomical lineage) : Maize (*Zea mays* L.)

Denomination : GP-M27

Type of variety : Extant (VCK)

Classification of variety : Other (Parental Line)

Previously proposed denomination : Not applicable

Name of parental material : MM (C2)

Source of parental material : Own germplasm

Name of reference varieties : HKI 193-1

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Tassel: Time of anthesis (on middle third of main axis, 50 % of plants) (Characteristic 4)	Late
Ear: Time of silk emergence (50% plants) (Characteristic 11)	Late
Ear: Anthocyanin colouration of silks (on day of emergence) (Characteristic 12)	Present

Plant: Length (up to flag leaf) (Characteristic 15.1)	Medium	
Ear: Type of grain (in middle third of ear) (Characteristic 22)	Flint	
<b>B. Distinct characteristics of candidate variety:</b> <b>GP-M27</b> has distinguishing character as Anthocyanin colouration of silks (on day of emergence): Present, Plant length (up to flag leaf): Short, Type of grain (in middle third of ear): flint, Ear Colour of top of grain: Orange		
<b>C. Distinct characteristics of reference variety:</b> <b>HKI 193-1</b> has character as Anthocyanin colouration of silks (on day of emergence): Absent, Plant length (up to flag leaf): Medium, Type of grain (in middle third of ear): Semi-Flint, Ear Colour of top of grain: Yellow with cap		
<b>D. Date of commercialization of the variety</b>	-	
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to flowering/anthesis (Early/Late)	58 Days (Late)
2	The best growing season to attain the potential yield (Zone wise)	Kharif and Rabi in all zones
3	Cropping/ climatic zone in which the variety recommended for cultivation	Peninsular India
4	Resistance/ Tolerance to pest/ disease	-
5	Seed yield/ac (Average)	8 q/ac
6	Thousand grain weight (gram)	200-300 g
7	Any other measures to achieve the potential yield	-

7. Application No. 

FO	VS02	15	128
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 filed on 20.01.2015 by **Dattatraya Nanasaheb Kale, A&P Nanej, Tal.N.Solapur, Dist: Solapur, Maharashtra** for **farmer** variety of crop **Grapes** (*Vitis* spp.) having denomination **Nanasaheb Purple Seedless** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Nanasaheb Purple Seedless  
**Applicant** : Dattatraya Nanasaheb Kale

**Address of the applicant** : A&P Nanej, Tal.N.Solapur, Dist: Solapur, Maharashtra  
**Nationality of applicant** : Indian  
**Application details**  
a. Number : 

F02	VS02	15	128
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b. Date of receipt : 20.01.2015  
c. Date of acceptance : --  
**Crop (Taxonomical lineage)** : Grapes (*Vitis* spp.)  
**Denomination** : Nanasahab Purple Seedless  
**Type of variety** : Farmer  
**Classification of variety** : Typical  
**Previously proposed denomination** : Not applicable  
**Name of reference varieties** : Kishmish Chernyei, Sharad Seedless

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Mature leaf: Shape of blade (Characteristic 9)	Wedge-shaped
Mature leaf: Number of lobes (Characteristic 10)	Five
Physiological maturity of the berry (days after fruit pruning) (Characteristic 18)	Medium
Bunch: Peduncle length (mm) (Characteristic 22)	Medium
Bunch: Shape/type (Characteristic 23)	Conical
Berry: Shape (Characteristic 26)	Oblate
Berry: Skin colour after removal of bloom (Characteristic 27)	Purple
Berry: Flavour (Characteristic 31)	Neutral
Berry: Formation of seeds (Characteristic 34)	Seedless (absent)
Sugar content of must (%) (Characteristic 37)	High (>20)
Total acid content of must (g/l tartaric acid) (Characteristic 38)	Very low (<3)
<b>B. Distinct characteristics of candidate variety:</b> <b>Nanasahab Purple Seedless</b> has distinguishing character as Bunch shape/type: Conical, Berry: shape: Oblate, skin colour of berry after removal of bloom: Purple, formation of seeds: Seedless (absent), Total acid content of must (g/l tartaric acid): Very low (<3).	
<b>C. Distinct characteristics of reference variety:</b> <b>Kishmish Chernyei</b> has character as Bunch shape/type: Winged cylindrical, Berry shape: Short elliptical, skin colour of berry after removal of bloom: Blue-black, Total acid content of must (g/l tartaric acid): Low (3-6). <b>Sharad Seedless</b> has character as Bunch shape/type: Winged conical, Berry shape: Short elliptical, skin colour of berry after removal of bloom: Blue-black, formation of seeds: Rudimentary, Total acid content of must (g/l tartaric acid): Medium (6-9).	
<b>Agronomic &amp; commercial attributes:</b> 1. Table purpose variety 2. Bunches are conical shape 3. Berries are oblate shape, purple black, seedless with medium skin thickness. Also berry size is bolder than Sharad seedless.	



- |  |
|--|
| 4. Bunch weight varies between 350-500 gm.           |
| 5. Matures between 115-125 days after fruit pruning. |
| 6. Yield: 120-140 q/ac                               |

8. Application No. 

F03	VS03	15	129
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 filed on 20.01.2015 by **Dattatraya Nanasaheb Kale, A&P Nanej, Tal.N.Solapur, Dist: Solapur, Maharashtra** for **Farmer** variety of crop **Grapes** (*Vitis* spp.) having denomination **Sarita Purple Seedless** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Sarita Purple Seedless  
**Applicant** : Dattatraya Nanasaheb Kale  
**Address of the applicant** : A&P Nanej, Tal.N.Solapur, Dist: Solapur, Maharashtra  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

F03	VS03	15	129
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b. Date of receipt : 20.01.2015  
c. Date of acceptance : --  
Crop (Taxonomical lineage) : Grapes (*Vitis* spp.)  
Denomination : Sarita Purple Seedless  
Type of variety : Farmer  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of reference varieties : Kishmish Chernyei, Sharad Seedless

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Mature leaf: Shape of blade (Characteristic 9)	Pentagonal
Mature leaf: Number of lobes (Characteristic 10)	Five
Physiological maturity of the berry (days after fruit pruning) (Characteristic 18)	Early (<110)
Bunch: Peduncle length (mm) (Characteristic 22)	Short (upto 50)
Bunch: Shape/type (Characteristic 23)	Conical
Berry: Shape (Characteristic 26)	Cylindrical
Berry: Skin colour after removal of bloom (Characteristic 27)	Purple
Berry: Flavour (Characteristic 31)	Neutral
Berry: Formation of seeds (Characteristic 34)	Seedless (absent)

Sugar content of must (%) (Characteristic 37)	High (>20)
Total acid content of must (g/l tartaric acid) (Characteristic 38)	Very low (<3)
<b>B. Distinct characteristics of candidate variety:</b> <b>Sarita Purple Seedless</b> has distinguishing character as Physiological maturity of the berry (days after fruit pruning): Early, Bunch shape/type: Conical, Berry shape: Cylindrical, Total acid content of must (g/l tartaric acid): Very low (<3).	
<b>C. Distinct characteristics of reference variety:</b> <b>Kishmish Chernyei</b> has character as Physiological maturity of the berry (days after fruit pruning): Medium (121- 130), Bunch shape/type: Winged cylindrical, Berry shape: Short elliptical, Total acid content of must (g/l tartaric acid): Low (3-6). <b>Sharad Seedless</b> has character as Physiological maturity of the berry (days after fruit pruning): Late (131-140), Bunch shape/type: Winged conical, Berry shape: Short elliptical, Total acid content of must (g/l tartaric acid): Medium (6-9).	
<b>Agronomic &amp; commercial attributes:</b> <ol style="list-style-type: none"> <li>1. Table purpose variety</li> <li>2. Bunches are conical shape</li> <li>3. Berries are cylindrical shape, purple black, seedless with thin skin and high sugar content.</li> <li>4. Bunch weight varies between 350-450 gm.</li> <li>5. Matures between 110-120 days after fruit pruning.</li> <li>6. Yield: 120-140 q/ac</li> </ol>	

9. Application No. 

F06	VS06	16	1768
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 filed on 31.10.2016 by **Sudhakar Bhaskar Kshirsagar, At: Shivadi, PO: Ugaon, Tal: Niphad, Dist: Nashik-422304, Maharashtra** for **Farmer** variety of crop **Grapes** (*Vitis* spp.) having denomination **Sudhakar Seedless** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Sudhakar Seedless  
**Applicant** : Sudhakar Bhaskar Kshirsagar  
**Address of the applicant** : At: Shivadi, PO: Ugaon, Tal: Niphad, Dist: Nashik-422304, Maharashtra  
Nationality of applicant : Indian  
**Application details**  

F06	VS06	16	1768
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a. Number :  
b. Date of receipt : 31.10.2016  
c. Date of acceptance : --  
Crop (Taxonomical lineage) : Grapes (*Vitis* spp.)

Denomination : Sudhakar Seedless  
 Type of variety : Farmer  
 Classification of variety : Typical  
 Previously proposed denomination : Not applicable  
 Name of reference varieties : Thompson Seedless, Superior Seedless

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Mature leaf: Shape of blade (Characteristic 9)	Pentagonal
Mature leaf: Number of lobes (Characteristic 10)	Five
Physiological maturity of the berry (days after fruit pruning) (Characteristic 18)	Late (131-140)
Bunch: Peduncle length (mm) (Characteristic 22)	Medium
Bunch: Shape/type (Characteristic 23)	Cylindrical
Berry: Shape (Characteristic 26)	Globose
Berry: Skin colour after removal of bloom (Characteristic 27)	Green-yellow
Berry: Flavour (Characteristic 31)	Neutral
Berry: Formation of seeds (Characteristic 34)	Seedless (absent)
Sugar content of must (%) (Characteristic 37)	High (>20)
Total acid content of must (g/l tartaric acid) (Characteristic 38)	Low (3-6)
<b>B. Distinct characteristics of Candidate variety:</b> <b>Sudhakar Seedless</b> has distinguishing character as Bunch shape/type: Cylindrical, Total acid content of must (g/l tartaric acid): Low (3-6).	
<b>C. Distinct characteristics of Reference variety:</b> <b>Thompson Seedless</b> has character as Bunch shape/type: Winged conical, Total acid content of must (g/l tartaric acid): High (9-12). <b>Superior Seedless</b> has character as Bunch shape/type: Winged conical, Total acid content of must (g/l tartaric acid): Medium (6-9).	
<b>Agronomic &amp; commercial attributes:</b> <ol style="list-style-type: none"> <li>1. Table purpose variety</li> <li>2. Bunches are cylindrical shape</li> <li>3. Berries are globose shape, white, seedless with thick skin. Berry size bolder than Thompson Seedless.</li> <li>4. Bunch weight varies between 350-450 gm.</li> <li>5. Matures between 135-140 days after fruit pruning.</li> <li>6. Yield: 150-160 q/ac</li> </ol>	

10. Application No. 

F05	VS05	16	1378
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 filed on 07.09.2016 by **Hari Bhau Maruti Waykar, R.No. 408 Waykarmala, Besides Canal, At post Gunjalwadi (Arvi), Taluka Junnar, Dist: Pune, Maharashtra** for **Farmer** variety of crop **Grapes** (*Vitis* spp.) having denomination

**Jay Seedless** has been accepted and given registration number -----NA -----on -----  
----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on  
-----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of  
Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority,  
New Delhi – 110 012.

**Passport data of the variety** : Jay Seedless  
**Applicant** : Hari Bhau Maruti Waykar,  
**Address of the applicant** : R.No. 408 Waykarmala, Besides Canal, At post  
 Gunjalwadi (Arvi), Taluka Junnar, Dist: Pune, Maharashtra  
 Nationality of applicant : Indian  
 Application details  
 a. Number : 

F05	VS05	16	1378
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 b. Date of receipt : 07.09.2016  
 c. Date of acceptance : --  
 Crop (Taxonomical lineage) : Grapes (*Vitis* spp.)  
 Denomination : Jay Seedless  
 Type of variety : Farmer  
 Classification of variety : Typical  
 Previously proposed  
 denomination : Not applicable  
 Name of reference varieties : Kishmish Chernyei, Sharad Seedless

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Mature leaf: Shape of blade (Characteristic 9)	Pentagonal
Mature leaf: Number of lobes (Characteristic 10)	Five
Physiological maturity of the berry (days after fruit pruning) (Characteristic 18)	Late
Bunch: Peduncle length (mm) (Characteristic 22)	Short
Bunch: Shape/type (Characteristic 23)	Cylindrical
Berry: Shape (Characteristic 26)	Long elliptical
Berry: Skin colour after removal of bloom (Characteristic 27)	Purple
Berry: Flavour (Characteristic 31)	Neutral
Berry: Formation of seeds (Characteristic 34)	Rudimentary
Sugar content of must (%) (Characteristic 37)	Medium (16-20)
Total acid content of must (g/l tartaric acid) (Characteristic 38)	Low (3-6)
<b>B. Distinct characteristics of candidate variety:</b>	

<b>Jay Seedless</b> has distinguishing character as Bunch shape/type: Cylindrical, Berry shape: Long elliptical, Berry skin colour after removal of bloom: Purple
<b>C. Distinct characteristics of reference variety:</b> <b>Kishmish Chernyei</b> has character as Bunch shape/type: Winged cylindrical, Berry shape: Short elliptical, Berry skin colour after removal of bloom: Blue-black <b>Sharad Seedless</b> has character as Bunch shape/type: Winged conical, Berry shape: Short elliptical, Berry skin colour after removal of bloom: Blue-black.
<b>Agronomic &amp; commercial attributes:</b> <ol style="list-style-type: none"> <li>1. Table purpose variety</li> <li>2. Berries are long elliptical shape, purple black, rudimentary seeds with medium skin thickness. Berry size bolder than Sharad Seedless.</li> <li>3. Bunch weight varies between 350-500 gm.</li> <li>4. Matures between 125-135 days after fruit pruning.</li> <li>5. Yield: 120-140 q/ac</li> </ol>

11. Application No. 

N01	VS04	15	810
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 filed on 27.04.2015 by **National Research Centre for Grapes, Manjri Farm, PO Box No.3, Solapur Road, Pune-412307, Maharashtra** for New variety of crop **Grapes** (*Vitis* spp.) having denomination **Manjari Medika** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

<b>Passport data of the variety</b>	: Manjari Medika				
<b>Applicant</b>	: National Research Centre for Grapes,				
<b>Address of the applicant</b>	: Manjri Farm, PO Box No.3, Solapur Road, Pune-412307, Maharashtra				
Nationality of applicant	: Indian				
Application details					
a. Number	: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>N01</td><td>VS04</td><td>15</td><td>810</td></tr></table>	N01	VS04	15	810
N01	VS04	15	810		
b. Date of receipt	: 27.04.2015				
c. Date of acceptance	: --				
Crop (Taxonomical lineage)	: Grapes ( <i>Vitis</i> spp.)				
Denomination	: Manjari Medika				
Type of variety	: New				
Classification of variety	: Hybrid				
Pedigree	: Pusa Navrang x Flame Seedless				
Previously proposed denomination	: Not applicable				
Name of reference varieties	: Ruby Red, Black Champa				

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Mature leaf: Shape of blade (Characteristic 9)	Pentagonal
Mature leaf: Number of lobes (Characteristic 10)	Five
Physiological maturity of the berry (days after fruit pruning) (Characteristic 18)	Medium (121-130)
Bunch: Peduncle length (mm) (Characteristic 22)	Short
Bunch: Shape/type (Characteristic 23)	Conical
Berry: Shape (Characteristic 26)	Round
Berry: Skin colour after removal of bloom (Characteristic 27)	Blue-black
Berry: Flavour (Characteristic 31)	Muscat
Berry: Formation of seeds (Characteristic 34)	Well developed
Sugar content of must (%) (Characteristic 37)	High (>20)
Total acid content of must (g/l tartaric acid) (Characteristic 38)	Low (3-6)
<b>B. Distinct characteristics of Candidate variety:</b> <b>Manjari Medika</b> has distinguishing character as Young leaf colour of upper side of blade: Yellow, Bunch shape/type: Conical, Berry flavour: Muscat	
<b>C. Distinct characteristics of Reference variety:</b> <b>Ruby Red</b> has character as Young leaf: colour of upper side of blade: Copper, Berry flavour: Others <b>Black Champa</b> has character as Young leaf colour of upper side of blade: Copper, Bunch shape/type: Double clustered, Berry flavour: Neutral	
<b>Agronomic characters of Manjari Medika:</b> <ol style="list-style-type: none"> <li>Juice purpose variety with 65-70% juice recovery</li> <li>Bunches conical in shape</li> <li>Berries are round in shape, blue black with coloured mesocarp, seeded with medium skin thickness. High sugar content</li> <li>Bunch weight varies between 200-250 gm.</li> <li>Matures between 115-125 days after fruit pruning.</li> <li>Yield: 140-150 q/ac</li> </ol>	

12. Application No. 

E1	AO1	18	674
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 filed on 03.08.2018 by **Indian Council of Agricultural Research, New Delhi** for an **Extant plant variety notified** under the Seed Act 1966 of crop **Cashew** (*Anacardium occidentale* L.) having denomination **Bhaskara** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Bhaskara  
**Applicant** : Indian Council of Agricultural Research, New Delhi  
**Address of the Applicant** : Krishi Bhawan, New Delhi-110001  
 Nationality of Applicant : Indian

**Application details:**

E1	AO1	18	674
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a. Number  
 b. Date of receipt : 03.08.2018  
 Crop (Taxonomical lineage) : Cashew (*Anacardium occidentale* L.)  
 Denomination : Bhaskara  
 Type of Variety : Extant  
 Classification of Variety : Typical  
 Previously Proposed : Not Applicable  
 Denomination  
 Name of Parental Material : Selection from forest cashew plantation at Gaondengrem, Canacona Tq, Goa  
 Source of parental material : Own germplasm  
 Name of Reference Varieties : Ullal 3, NRCC 2  
 Notification details : Number: 2277 (E), Dated 17.8.2015

**Variety Description**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Leaf: Colour of young leaves (Characteristic 4)	Green yellow
Leaf shape (Characteristic 5)	Obovate
Pseudo-fruit: Mature cashew apple colour (Characteristic 12)	Pinkish Orange
Pseudo-fruit: Cashew apple shape (Characteristic 13)	Slightly conical with oblique apex
Fruit: Nut weight (Characteristic 20)	High
Fruit: Shelling percentage (Characteristic 26)	High
<b>B. Distinct characteristics of candidate variety:</b> <b>Bhaskara</b> has distinguishing characters as Leaf: Colour of young leaves-Green yellow, Leaf shape: Obovate, Flower: Compactness of inflorescence-Loose, Pseudo-fruit: Cashew apple shape-Slightly conical with oblique apex, Pseudo-fruit: Weight of cashew apple (g)-High, Fruit: Nut weight-High, Fruit: Shelling percentage-High.	
<b>C. Distinct characteristics of reference variety:</b> <b>Ullal 3</b> has characters as Leaf: Colour of young leaves-Yellow red, Leaf shape: Obovate, Flower: Compactness of inflorescence-Loose, Pseudo-fruit: Cashew apple shape- Conical-Obovate,	

Pseudo-fruit: Weight of cashew apple (g)-High, Fruit: Nut weight-Intermediate, Fruit: Shelling percentage- Intermediate <b>NRCC 2</b> has characters as Leaf: Colour of young leaves-Yellow red, Leaf shape: Elliptical, Flower: Compactness of inflorescence-Loose, Pseudo-fruit: Cashew apple shape- Conical-Obovate, Pseudo-fruit: Weight of cashew apple (g)-High, Fruit: Nut weight-High, Fruit: Shelling percentage-Intermediate.	
<b>D. Date of commercialization of the variety</b>	Since 2006

**E. Agronomic & commercial attributes:**

**Agronomic attributes**

**Details**

Maturity group (Early, medium, and late)	Mid season flowering type (December-March) with medium duration flowering (60 days)
Days of 50% flowering	15-30 days from initiation of flowering
Yield in Kg/ac	10.7 kg (13 year old tree) at a spacing of 6x6m (1190 kg/ac)
Yield of nuts per plant (Average)	--
Number of nuts /Kg	125-160 (mean 136)
Kernel shelling percentage	30.6
Cashew apple weight (g)	64
Juice content %	67.5
Reaction to major pests under field and controlled condition	Escapes from TMB low to moderate outbreak situation, but regular spray against TNB is essential under severe outbreak situation.
Disease and pest resistance	Tolerant to flower drying disease and escapes from TMB under low to moderate outbreak situation
Any other relevant information specific to the variety/Hybrid	This accession is conserved in National filed gene bank of DCR, Puttur, Karnataka (NRC 365). IC no. 250143 NBPGR, New Delhi.

13. Application No. 

E1	GM1	17	67
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 filed on 13.02.2017 by **Indian Council of Agricultural Research**, for an **Extant plant variety notified** under the Seed Act 1966 of crop



**Soybean** (*Glycine max* (L.) Merrill) having denomination **JS- 20-69** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JS- 20-69  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : Krishi Bhawan, New Delhi-110001  
Nationality of applicant : Indian  
Application details  
a. Number : 

E1	GM1	17	67
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b. Date of receipt : 13.02.2017  
c. Date of acceptance : --  
Crop (Taxonomical lineage) : Soybean (*Glycine max* (L.) Merrill)  
Denomination : JS- 20-69  
Type of variety : Extant  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : JS 97-52 x SL 710  
Source of parental material : Own germplasm  
Name of reference varieties : JS 97- 52  
Notification details : Number: 2238 (E), Dated 29.6.2016

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Plant: Growth type (Characteristic 2)	Semi-determinate
Flower: Colour (Characteristic 7)	White
Pod: Pubescence (Characteristic 9)	Present
Pod: Pubescence colour (Characteristic 10)	Tawny
Pod: Colour (Characteristic 11)	Brown
Plant: Days to maturity (Characteristic 13)	Early
Seed: Colour (Characteristic 16)	Yellow
<b>B. Distinct characteristics of candidate variety:</b>	
<b>JS- 20- 69</b> has distinguishing character as days to maturity: Early, 100 seed weight: Medium, seed lusture: Shiny, colouration due to peroxidase activity in seed coat: Absent.	
<b>C. Distinct characteristics of reference variety:</b>	
<b>JS 97-52</b> has character as days to maturity: Medium, 100 seed weight: Small, Seed lusture: Dull, colouration due to peroxidase activity in seed coat: Present.	

<b>D. Date of commercialization of the variety</b>		N/A
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1.	Days to maturity: Early/ Medium/ Late	93-95 days
2	Production condition: Suitability Area in the country	Madhya Pradesh
	: Time of sowing : Irrigated/ Rainfed : Low fertility/ High fertility	: Kharif season under normal sowing condition : Medium to high rain fall condition and medium to heavy soils of MP : High fertility
3	Tolerance to adverse temperature/Frost and Heat -Sensitive/Tolerant	Tolerant to abiotic stress
4	Tolerance to water stagnation: Sensitive/Tolerant	--
5	Resistance/ Tolerance to pest/s	Resistant to YMV, Charcoal rot, bacterial pustules, ALS, pod blight, IBB, target leaf spot, resistance to stem fly, girdle beetle, and defoliators in most of the year and locations.
6	Seed yield/ac (Average)	10-11.2 q/ac
7	Seed: Weight (100 seeds weight in g)	10-11 g
8	Seed: Oil content (%)	20-22
9	Seed: Protein content (%)	39-42
10	Any other relevant value addition information specific to the variety/hybrid in terms of trade	Germination ability 84.17 %

14. Application No. 

E1	SA 3	17	1569
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 filed on 29.5.2017 by **Acharya N.G. Ranga Agricultural University**, for an **Extant plant variety notified** under the Seed Act 1966 of crop **Sugarcane** (*Saccharum* L.) having denomination **Kanakamahalakshmi (Co A 06321)** has been accepted and given registration number -----NA -----on ----- NA -----.  
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The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Kanakamahalakshmi (Co A 06321)

**Applicant** : Acharya N.G. Ranga Agricultural University  
**Address of the applicant** : Director of Research ANGRAU, Vijaya Durga Towers, Administrative Camp Office, YSR, Circle, Inner Ring Road, Guntur-522509, AP.

Nationality of applicant : Indian

Application details

a. Number	:	E1	SA3	17	1569
b. Date of receipt	:	29.5.2017			
c. Date of acceptance	:	--			

Crop(Taxonomical lineage) : Sugarcane (*Saccharum* L.)  
Denomination : Kanakamahalakshmi (Co A 06321)

Type of variety : Extant  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : CoA92082GC  
Source of parental material : Own germplasm  
Name of reference varieties : Co6907, CoA92081  
Notification details : Number: 952 (E), Dated 10.4.2013

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant: Growth habit (Characteristic 1)		Semi-erect
Leaf blade: Curvature (Characteristic 6)		Curved tip
Plant:Adherence of leaf sheath (Characteristic 8)		Weak
<b>B. Distinct characteristics of candidate variety:</b> <b>Kanakamahalakshmi (Co A 06321)</b> has distinguishing character as Plant growth habit: Semi-erect: Internode colour not exposed to sun: Green: Internode colour exposed to sun: Yellow Green, Internode: shape: Cylindrical, Shape of the bud: Ovate, Leaf sheath hairiness: Present, Shape of the ligule: Deltoid.		
<b>C. Distinct characteristics of reference variety:</b> <b>CoA92081</b> has character as Plant growth habit: Erect: Internode colour not exposed to sun: Green yellow: Internode colour exposed to sun: Yellow Green, Internode: shape: Tumescant, Shape of the bud: Obovate, Leaf sheath hairiness: Present, Shape of the ligule: Deltoid. <b>Co6907-</b> has character as Plant growth habit: Semi-erect: Internode colour not exposed to sun: Green yellow: Internode colour exposed to sun: Yellow, Internode: shape: Cylindrical, Shape of the bud: Oval, Leaf sheath hairiness: Absent, Shape of the ligule: Crescent.		
<b>D. Date of commercialization of the variety</b>		2013-14
<b>E. Agronomic and commercial attributes</b>		
S. No.	Agronomic attributes	Details
1	Plant: growth habit	Erect growing clone

2	Plant: cane height/ weight/ cane yield	480 q/ac
3	Plant: number of millable canes (NMC) per stool	--
4	Production condition: Suitability area in the country	Suitable in irrigated, rainfed and waterlogged conditions
	: season wise time of sowing and harvesting	
	: Irrigated/ rainfed	Suitable for irrigated, rainfed and water logged condition.
	: Low fertility/ High fertility	
5	Resistance/ Tolerance to/pest/s,/ disease	Resistance to red rot, moderately susceptible to smut
6	Tolerance to water stagnation: Sensitive/Tolerant	Resistance to biotic and abiotic stress suitable for Andhra Pradesh
7	Zone wise yield potential (Average) per acre (q/Acre) (if applicable)	115.85 (East coast zone)
8	Sucrose (%)	15.99
9	Crop/sugar/ yield/ha (Average)	115.36
10	Any other relevant value addition information specific to the variety/hybrid in terms of trade	--

15. Application No. 

E1	CT3	18	532
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 on 25.05.2018 by **Dr. Panjabrao Deshmukh Krishi Vidyapeeth, PO: Krishinagar, Akola-444104, Maharashtra** for an **Extant plant variety notified** under the Seed Act, 1966 of crop Safflower (*Carthamus tinctorius* L.) having denomination **PKV Pink (AKS 311)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety**

: PKV Pink (AKS 311)

**Applicant**

: Dr. Panjabrao Deshmukh Krishi Vidyapeeth

**Address of the applicant**

: PO: Krishinagar, Akola-444104, Maharashtra

Nationality of applicant

: Indian

Application details

a. Number

E1	CT3	18	532
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b. Date of receipt : 25.05.2018  
c. Date of acceptance  
Crop(Taxonomical Lineage) : Safflower (*Carthamus tinctorius* L.)  
Denomination : PKV Pink (AKS 311)  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : NARI 6 x JLSF 344  
Source of parental material : Own germplasm  
Name of reference varieties : AKS 207, Bhima  
Notification details : Number: 2815 (E), Dated: 19.09.2013

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Time of 50% flowering (Characteristic 5)		Medium
Petal : Colour (Characteristic 6)		Pale yellow
Petal : Change of colour (faded stage) (Characteristic 7)		--
Capitulum : Number of spines on outer involucre bract of main capitula (Characteristic 17)		Sparse
Plant : Height up to main capitula (Characteristic 21)		Tall
<b>B. Distinct characteristics of candidate variety:</b> <b>PKV Pink (AKS 311)</b> has distinguishing character as plant height: Tall, Petal colour: Pale yellow, Leaf shape:Obovate, Leaf dentation:Strong, number of spines in leaf:Many, Seed size: Small, Seed colour: White, Seed hull content:Medium, Seed oil content:Very high		
<b>C. Distinct characteristics of reference variety:</b> <b>AKS 207</b> has characters as plant height: Medium, Petal colour:Yellow, Leaf shape : Fusiform, Leaf dentation : Strong, Leaf number of spines:Many, Seed size: Large, Seed colour: White, Seed hull content: Medium, Seed oil content: Medium. <b>Bhima</b> has characters as Plant height: Medium, Petal colour:Pale yellow, Leaf shape:Obovate, Leaf dentation:Strong, Leaf number of spines:Very many, Seed size: Large, Seed colour:White, Seed hull content: Medium, Seed oil content: Medium.		
<b>D. Date of commercialization of the variety</b>		--
<b>E. Agronomic and commercial attributes</b>		
<b>S. No.</b>	<b>Agronomic attributes</b>	<b>Details</b>
1	Days to maturity: Early/ Medium/ Late	Medium
2	Production condition: Suitability Area in the country	Maharashtra (Vidarbh region in particular)
	: Time of sowing	
	: Irrigated/ Rainfed	
	: Low fertility/ High fertility	
3	Tolerance to adverse temperature/Frost and Heat -Sensitive/Tolerant	
4	Tolerance to water stagnation: Sensitive/Tolerant	

5	Resistance/ Tolarence to pest/s	Tolerant to wilt in field condition.
6	Seed yield/ac (Average)	1000 kg/ac
7	Seed: Weight (1000 seeds weight in g)	30.5-40
8	Seed: Hull content (%)	--
9	Seed: Oil content (%)	33
10	Any other relevant value addition information specific to the variety/hybrid in terms of trade	--
9	Sowing window requirement to attain potential yield (Zonewise)	Arid zone: kharif (June-July) Semi arid zone subtropical: kharif (June-July) Humid subtropical: kharif (June-July) Tropical wet & dry: kharif (June-Aug) & rabi (Sept-Oct)
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Name the cropping/climate Zone of India in which the variety/Hybrid trail were conducted	Humid subtropical: kharif season, semi arid zone: kharif season, tropical wet & dry: kharif & rabi seasons.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	110-130q/ac
2	Yield of fruit per plant (average)(kg)	1.8-2.1kg

16. Application No. 

E8	SM8	12	81
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-11** has been accepted and given registration number ---NA-----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-11  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number

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E8	SM8	12	81
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b. Date of receipt : 30.03.2012  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : NBJ-11  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : Pusa Kranti x NBGP-29  
 Source of parental material : Own germplasm  
 Name of reference varieties : Utkal Jyoti, Uttara and Arka Kusumakar

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Club shaped
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Purple
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-11 has distinguishing character as purple flower colour and solitary fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b>		
Utkal Jyoti has distinguishing character as dark purple flower colour and mixed fruiting pattern.		
Uttara has distinguishing character as dark purple flower colour and solitary fruiting pattern.		
Arka Kusumakar has distinguishing character as dark purple flower colour and solitary fruiting pattern.		
<b>D. Date of commercialization of the variety</b>		24.08.2009
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60 NPK kg/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	

	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	180-200 q/ac
2	Yield of fruit per plant (average)	2.4-2.6 kg
3	Size of the fruit (average)	Length 15-16cm, width 4.0-4.5cm
4	Weight of each fruit (average)	80-90g
5	Plant height (cm)(average)	70-75cm
6	Reaction against major diseases and pests	Good tolerance against sucking pest
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Partially heat tolerance
8	Storage/keeping quality after the harvest	4-5days
9	Any other measures to achieve the potential yield	Maintain slightly moisturized field

17. Application No. 

E37	SM37	12	116
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-67** has been accepted and given registration number ---NA-----on ----- NA-----.

The convention application no. ---NA---, in respect of the said variety has been filed on ---NA---, in ---NA---.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-67  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

E37	SM37	12	116
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a. Number :  
 b. Date of receipt : 12.04.2012  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : NBJ-67  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : NBGP-08 × CO-1 × MOHINI  
 Source of parental material : Own germplasm  
 Name of reference varieties : Swarna Ajay, Kalpatharu

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-67 has distinguishing character as absent leaf spininess, light purple flower colour, absent fruit spininess of calyx and cluster fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b>		
Swarna Ajay has distinguishing character as leaf spininess present, purple flower colour, weak fruit spininess of calyx and solitary fruiting pattern.		
Kalpatharu has distinguishing character as leaf spininess present, purple flower colour, strong fruit spininess of calyx and cluster fruiting pattern.		
<b>D. Date of commercialization of the variety</b>		
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	60-70 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60 NPK kg/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	NA

6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	IPM
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	NA
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	160-170 q/ac
2	Yield of fruit per plant (average)	2.0-2.3 kg
3	Size of the fruit (average)	Length 7-8cm, width 5.5-6.5cm
4	Weight of each fruit (average)	70-80g
5	Plant height (cm)(average)	70-75cm
6	Reaction against major diseases and pests	Good tolerance
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Partially heat tolerance
8	Storage/keeping quality after the harvest	4-5days
9	Any other measures to achieve the potential yield	Maintain slightly moisturized field

18. Application No. 

E45	SM45	12	124
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-39** has been accepted and given registration number ---NA-----on ----- NA -----.

The convention application no. ---NA-----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-39  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana

Nationality of applicant : Indian

**Application details**

a. Number	E45	SM45	12	124
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b. Date of receipt : 12.04.2012

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : NBJ-39

Type of variety : Extant (VCK)

Classification of variety : Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of parental material : AGORA × NBGP-01

Source of parental material : Own germplasm

Name of reference varieties : Pusa Hybrid-6

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-39 has distinguishing character as medium fruit length, medium fruit diameter, globular fruit general shape and fruit colour of calyx green.		
<b>C. Distinct characteristics of reference variety:</b>		
Pusa Hybrid-6 has distinguishing character as short fruit length, small fruit diameter, ovoid fruit general shape and fruit colour of calyx purple.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	65-70 days
4	Seeds rate/requirement per ac	75-85 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	

6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	150-160 q/ac
2	Yield of fruit per plant (average)	2.00-2.15 kg

19. Application No. 

E55	SM63	12	299
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 filed on 10.07.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-23** has been accepted and given registration number ---NA-----on-----NA-----.

The convention application no. ---NA----, in respect of the said variety has been filed on ---NA----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-23  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E55	SM63	12	299
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b. Date of receipt : 10.07.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-23  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)

Previously proposed : Not applicable  
Denomination  
Name of parental material : Fulbani x M.Jhuri x NBGP-11  
Source of parental material : Own germplasm  
Name of reference varieties : Utkal Jyoti and Aruna

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Purple
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-23 has distinguishing character as medium fruit glossiness at harvest maturity and medium fruit intensity of colour of calyx		
<b>C. Distinct characteristics of reference varieties:</b>		
Utkal Jyoti has distinguishing character as strong fruit glossiness at harvest maturity and weak fruit intensity of colour of calyx		
Aruna has distinguishing character as strong fruit glossiness at harvest maturity and weak fruit intensity of colour of calyx		
<b>D. Date of commercialization of the variety</b>		10.04.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam

8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	150-180 q/ac
2	Yield of fruit per plant (average)	2.00-2.50 kg

20. Application No. 

E23	SM23	12	98
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 filed on 03.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-31** has been accepted and given registration number ---NA-----on ----- NA-----.

The convention application no. ---NA-----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-31  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

E23	SM23	12	98
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a. Number :  
b. Date of receipt : 03.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-31  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Teizpur Local x NBGP-36  
Source of parental material : Own germplasm  
Name of reference varieties : DBL-329, JBL-116-135 and BB-55

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> NBJ-31 has distinguishing character as fruit stripes absent and spreading plant growth habit.		
<b>C. Distinct characteristics of reference varieties:</b> DBL-329 has distinguishing character as fruit stripes present and erect plant growth habit. JBL-116-135 has distinguishing character as fruit stripes present and semi spreading plant growth habit. BB-55 has distinguishing character as fruit stripes absent and erect plant growth habit.		
<b>D. Date of commercialization of the variety</b>		26.05.2009
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov

12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	130-140 q/ac
2	Yield of fruit per plant (average)	1.75-1.85 kg

21. Application No. 

E26	SM26	12	101
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 filed on 03.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-34** has been accepted and given registration number ---NA-----on-----NA-----.

The convention application no. ---NA---, in respect of the said variety has been filed on ---NA---, in ---NA---.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-34  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E26	SM26	12	101
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b. Date of receipt : 03.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-34  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : HARIT x NBGP-15  
Source of parental material : Own germplasm  
Name of reference varieties : PLR-1, DRNKV-02-29

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green



Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-34 has distinguishing character as fruit colour of skin at commercial harvesting green and strong fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b>		
PLR-1 has distinguishing character as fruit colour of skin at commercial harvesting purple and medium fruit intensity of colour of calyx.		
DRNKV-02-29 has distinguishing character as fruit colour of skin at commercial harvesting purple and medium fruit intensity of colour of calyx		
<b>D. Date of commercialization of the variety</b>		22.07.2010
<b>E. Agronomic and commercial attribute</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		

1	Yield potential (average) per acre (q/ac)	140-150 q/ac
2	Yield of fruit per plant (average)	1.85-2.00 kg

22. Application No. 

E24	SM24	12	99
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 filed on 03.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-32** has been accepted and given registration number ---NA-----on ----- NA -----.

The convention application no. ---NA-----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-32  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number : 

E24	SM24	12	99
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b. Date of receipt : 03.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-32  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : NBGP-37 x Royal Local  
Source of parental material : Own germplasm  
Name of reference varieties : Pant Rituraj, DRNKV-02-29, BB-55 and Utkal Anushree

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> <b>NBJ-32</b> has distinguishing character as absent stem anthocyanin colouration and ovoid fruit general shape.	

<b>C. Distinct characteristics of reference varieties:</b>		
<b>Pant Rituraj</b> has distinguishing character as present stem anthocyanin colouration and obovate fruit general shape.		
<b>DRNKV-02-29</b> has distinguishing character as present stem anthocyanin colouration and obovate fruit general shape.		
<b>Utkal Anushree</b> has distinguishing character as present stem anthocyanin colouration and ovoid fruit general shape.		
<b>BB-55</b> has distinguishing character as present stem anthocyanin colouration and obovate fruit general shape.		
<b>D. Date of commercialization of the variety</b>		18.04.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	65-75 days
3	Days to maturity (average)	80-85 days
4	Seeds rate/requirement per ac	75-85 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	130-140 q/ac

2	Yield of fruit per plant (average)	1.75-1.85 kg
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23. Application No. 

E25	SM25	12	100
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 filed on 03.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-33** has been accepted and given registration number ---NA-----on ----- NA -----.

The convention application no. ---NA-----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-33  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

**a. Number** : 

E25	SM25	12	100
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**b. Date of receipt** : 03.04.2012  
**c. Date of acceptance** : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-33  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : NBGP-13 x Green Star  
Source of parental material : Own germplasm  
Name of reference varieties : Green Long Cluster, Arka Shiris and BB-55

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> NBJ-33 has distinguishing character as medium fruit intensity of colour of calyx and spreading plant growth habit.	
<b>C. Distinct characteristics of reference varieties:</b>	

**Green Long Cluster** has distinguishing character as strong fruit intensity of colour of calyx and semi spreading plant growth habit.

**Arka Shiris** has distinguishing character as strong fruit intensity of colour of calyx and semi spreading plant growth habit.

**BB-55** has distinguishing character as medium fruit intensity of colour of calyx and erect plant growth habit.

<b>D. Date of commercialization of the variety</b>		22.07.2010
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	140-150 q/ac
2	Yield of fruit per plant (average)	1.85-2.00 kg

E27	SM27	12	102
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24. Application No. \_\_\_\_\_ filed on 03.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-35** has been accepted and given registration number ---  
-----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-35  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E27	SM27	12	102
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b. Date of receipt : 03.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-35  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : BLUE STAR x HYB-41 x NBGP-38  
Source of parental material : Own germplasm  
Name of reference varieties : MDU-1, Swarna Ajay and BB-46

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Purple
<b>B. Distinct characteristics of candidate variety:</b> NBJ-35 has distinguishing character as obovate fruit general shape and semi spreading plant growth habit.	
<b>C. Distinct characteristics of reference varieties:</b> MDU-1 has distinguishing character as pear shaped fruit general shape and spreading plant growth habit.	

<b>Swarna Ajay</b> has distinguishing character as globular fruit general shape and horizontal plant growth habit.		
<b>BB-46</b> has distinguishing character as cylindrical fruit general shape and semi spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		08.06.2009
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	60-70 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	90X60 cm
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations/as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	150-160 q/ac
2	Yield of fruit per plant (average)	2.00-2.25 kg

25. Application No. 

E38	SM38	12	117
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum*

*melongena* L.) having denomination **NBJ-94** has been accepted and given registration number ---  
 -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on  
 -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-94  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
 Nationality of applicant : Indian  
**Application details**  
 a. Number : 

E38	SM38	12	117
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 b. Date of receipt : 12.04.2012  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : NBJ-94  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : PUNERI KATERI x NBGP-28 x MANJU  
 Source of parental material : Own germplasm  
 Name of reference varieties : Swarna Ajay, Arka Shiris and Kalpatharu

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Present
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> <b>NBJ-94</b> has distinguishing character as short fruit length, ovoid fruit general shape and strong fruit spininess of calyx.	
<b>C. Distinct characteristics of reference varieties:</b> <b>Swarna Ajay</b> has distinguishing character as medium fruit length, globular fruit general shape and weak fruit spininess of calyx. <b>Arka Shiris</b> has distinguishing character as medium fruit length, obovate fruit general shape and absent fruit spininess of calyx. <b>Kalpatharu</b> has distinguishing character as short fruit length, obovate fruit general shape and strong fruit spininess of calyx.	



<b>D. Date of commercialization of the variety</b>		20.06.2006
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	65-70 days
4	Seeds rate/requirement per ac	75-85 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	160-170 q/ac
2	Yield of fruit per plant (average)	2.15-2.25 kg

26. Application No. 

E39	SM39	12	118
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-95** has been accepted and given registration number ---NA-----on ----- NA-----.

The convention application no. ---NA----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-95  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E39	SM39	12	118
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b. Date of receipt : 12.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-95  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : NBGP-09 x CO-1 x MBH-11  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Uttam

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> NBJ-95 has distinguishing character as fruit stripes present.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Uttam has distinguishing character as fruit stripes absent		
<b>D. Date of commercialization of the variety</b>		24.11.2008
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	75-85 g

5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	160-170 q/ac
2	Yield of fruit per plant (average)	2.15-2.30 kg

27. Application No. 

E43	SM43	12	122
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-98** has been accepted and given registration number ---NA-----on ----- NA -----.

The convention application no. ----NA----, in respect of the said variety has been filed on ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-98  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

E43	SM43	12	122
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a. Number :  
 b. Date of receipt : 12.04.2012  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : NBJ-98  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : NBGP-02 x AJAY  
 Source of parental material : Own germplasm  
 Name of reference varieties : Aushray, CO-2 and Kalpatharu

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-98 has distinguishing character as ovoid fruit general shape, green fruit colour of skin at commercial harvesting, mixed fruiting pattern and semi spreading plant growth habit.		
<b>C. Distinct characteristics of reference variety:</b>		
Kalpatharu has distinguishing character as obovate fruit general shape, purple fruit colour of skin at commercial harvesting, cluster fruiting pattern and spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		22.06.2006
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	75-85 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	

	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	160-165 q/ac
2	Yield of fruit per plant (average)	2.15-2.25 kg

28. Application No. 

E14	SM14	12	87
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **NBJ-19** has been accepted and given registration number ---NA-----on-----NA-----.

The convention application no. ---NA-----, in respect of the said variety has been filed on ---NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-19  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E14	SM14	12	87
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b. Date of receipt : 30.03.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-19  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination

Name of parental material : NBGP-03 x Bihar Gulabi Local  
 Source of parental material : Own germplasm  
 Name of reference varieties : Pusa Kranti and Pusa Purple Long

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Long
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Purple
<b>B. Distinct characteristics of candidate variety:</b> <b>NBJ-19</b> has distinguishing character as greenish white flower colour and weak fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> <b>Pusa Kranti</b> has distinguishing character as dark purple flower colour and medium fruit intensity of colour of calyx. <b>Pusa Purple Long</b> has distinguishing character as dark purple flower colour and medium fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>		26.05.2009
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	90X60 cm
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	

9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	180-200 q/ac
2	Yield of fruit per plant (average)	2.4-2.65 kg

29. Application No. 

N19	BB19	10	472
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 filed on 27.12.2010 by **Nuziveedu Seeds Limited, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana** for a New Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **NCFD-83** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NCFD-83  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana

Nationality of applicant : Indian

**Application details**

a. Number : 

N19	BB19	10	472
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

**Crop (taxonomical lineage)** : Cauliflower (*Brassica oleracea* var. botrytis)

**Denomination** : NCFD-83

Type of variety : New

Classification of variety : Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of parental material : PCFD-121-7-6-3-5-7

Source of parental material : Own germplasm

Name of reference varieties : Pusa Sharad and PUSA Hybrid-2

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Seedling anthocyanin colouration of hypocotyls (Characteristic 1)		Absent
Curd covering by inner leaves (Characteristic 16)		Partly covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b> NCFD-83 has distinguishing character as erect leaf attitude.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Sharad has distinguishing character as semi-erect leaf attitude. PUSA Hybrid-2 has distinguishing character as semi-erect leaf attitude.		
<b>D. Date of commercialization of the variety</b>		23.06.10
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	110days after planting
3	Days to maturity (average)	65days after planting
4	Seeds rate/requirement per acre	400g
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10 ton
	Inorganic (per ac or per plant)	200N:125P:150K
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Sandy loam
8	Plant protection measure to attain potential yield	Damping off: Drench nursery beds with copper oxychloride or Captan (2g/l of water). Downey Mildew: Spray copper oxychloride or mancozeb (2g/l) or metalaxylmancozeb (1g/l). Alternaria Blight: Spray mancozeb or copper oxychloride (2g/l). Black rot: Treats seeds before sowing in 1000ppm (1g/l) of streptomycin for 30mins. Diamond Back Moth: Spray neem seed kernel extract (4%) or preparation of Bacillus thuringiensis at 15, 25 & 35 days after planting. Aphids: Spray monocrotophos or dimethoate (1.5ml/l) or oxydemeton methyl (2ml/l). Leaf Webber/Stem Borer: Spray monocrotophos or cypermethrin (1ml/l). Boron Deficiency: Apply



		borax @10-15kg/ha at the time of final land preparation.
9	Sowing window requirement to attain potential yield	1-15 Aug
10	Number of Irrigation required to attain potential yield	As per requirement
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Semi arid and humid subtropical
13	Any other relevant information specific to the variety/hybrid	NA

Commercial Attribute		
1	Yield potential (average) per acre (q/ac)	150
2	Yield of fruit per plant (average)(curd weight)	700g
3	Size of the curd(average)	8.1 x 14.1cm
4	Weight of each curd(average)	700g
5	Plant height(cm)(average)	110cm
6	Reaction against major diseases and pests	Susceptible
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Susceptible
8	Storage/keeping quality after the harvest	Poor
9	Any other measures to achieve the potential yield	NA

30. Application No. 

E2	BB14	10	461
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 filed on 27.12.2010 by **Nuziveedu Seeds Limited, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana** for a Extant (VCK) Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **NCFD-7122** -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NCFD-7122  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E2	BB14	10	461
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)  
 Denomination : NCFD-7122  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : BCFD-156-6-1-9-4-1  
 Source of parental material : Own germplasm  
 Name of reference varieties : Pusa Sharad, Pusa Deepali and Pusa Hybrid-2

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)		Absent
Curd covering by inner leaves (Characteristic 16)		Covered
Curd shape in longitudinal section (Characteristics 19)		Circular
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b> NCFD-7122 has distinguishing character as erect leaf attitude and elliptic leaf shape.		
<b>C. Distinct characteristics of reference varieties:</b> <b>Pusa Sharad</b> has distinguishing character as semi-erect leaf attitude and broad elliptic leaf shape. <b>Pusa Deepali</b> has distinguishing character as semi-erect leaf attitude and broad elliptic leaf shape. <b>Pusa Hybrid-2</b> has distinguishing character as semi-erect leaf attitude and elliptic leaf shape.		
<b>D. Date of commercialization of the variety</b>		06.08.2009
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	105days after planting
3	Days to maturity (average)	60days after planting
4	Seeds rate/requirement per acre	400g
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10 ton
	Inorganic (per ac or per plant)	200N:125P:150K
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Sandy loam
8	Plant protection measure to attain potential yield	Damping off: Drench nursery beds with copper oxychloride or Captan (2g/l of water). Downey Mildew: Spray copper oxychloride or mancozeb (2g/l) or metalaxylmancozeb (1g/l). Alternaria

		Blight: Spray mancozeb or copper oxychloride (2g/l). Black rot: Treats seeds before sowing in 1000ppm (1g/l) of streptomycin for 30mins. Diamond Back Moth: Spray neem seed kernel extract (4%) or preparation of <i>Bacillus thuringiensis</i> at 15, 25 & 35 days after planting. Aphids: Spray monocrotophos or dimethoate (1.5ml/l) or oxydemeton methyl (2ml/l). Leaf Webber/Stem Borer: Spray monocrotophos or cypermethrin (1ml/l). Boron Deficiency: Apply borax @10-15kg/ha at the time of final land preparation.
9	Sowing window requirement to attain potential yield	1 <sup>st</sup> July-15 <sup>th</sup> August
10	Number of Irrigation required to attain potential yield	As per requirement
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Semi arid and humid subtropical
13	Any other relevant information specific to the variety/hybrid	NA
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	75q/ac
2	Yield of fruit per plant (average)	500g
3	Size of the curd(average)	7x14cm
4	Weight of each curd(average)	500g
5	Plant height(cm)(average)	105cm
6	Reaction against major diseases and pests	Susceptible
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Susceptible
8	Storage/keeping quality after the harvest	Average
9	Any other measures to achieve the potential yield	NA

31. Application No. 

N3	TA3	10	367
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 filed on 20.12.2010 by **Ajeet Seeds Ltd., 2<sup>nd</sup> Floor Tapadia Terraces, Adalat Road, Aurangabad-431001, Maharashtra** for a New Variety of crop **Bread wheat (*Triticum aestivum* L.)** having denomination **AJEET-111 (ATW-109)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : AJEET-111 (ATW-109)  
**Applicant** : Ajeet Seeds Ltd.  
**Address of the applicant** : 2<sup>nd</sup> Floor Tapadia Terraces, Adalat Road, Aurangabad- 431001, Maharashtra  
 Nationality of applicant : Indian  
**Application details**  
     a. Number : 

N3	TA3	10	367
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     b. Date of receipt : 27.12.2010  
     c. Date of acceptance : --  
 Crop (taxonomical lineage) : Bread wheat (*Triticum aestivum* L.)  
 Denomination : AJEET-111 (ATW-109)  
 Type of variety : New  
 Classification of variety : Typical  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : Lok-1 x AWL-671  
 Source of parental material : Local collection  
 Name of reference varieties : NW 1067, VINATA

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Flag leaf anthocyanin coloration of auricle (Characteristic 4)		Absent
Time of ear emergence (Characteristic 7)		Early
Plant length (Characteristic 14)		Long
Awn or scurs presence (Characteristic 18)		Awns present
Outer glume pubescence (Characteristic 23)		Absent
Ear colour (Characteristic 24)		White
Season type (Characteristic 37)		Spring type
Grain hardness (Characteristic 38)		Semi-hard
<b>B. Distinct characteristics of candidate variety:</b> AJEET-111 (ATW-109) has distinguishing character as narrow lower glume shaller width (spikelets in mid-third of ear).		
<b>C. Distinct characteristics of reference varieties:</b> NW 1067 has distinguishing character as medium lower glume shaller width (spikelets in mid-third of ear). VINATA has distinguishing character as medium lower glume shaller width (spikelets in mid-third of ear)		
<b>D. Date of commercialization of the variety</b>		17.11.2011
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (Erect, Semi-erect, Indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	65days

3	Days to physiological maturity (average)	110days
4	Seeds rate per acre	40kg
5	Recommended Nutrition/acre schedule to attain potential yield and time of application	
	Organic (kg/ha)	12000 to 15000 FYM
	Inorganic (kg/ha)	48:24:16 kg/ac
	Other fertilizer (kg/ha)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	23.5cm
	Plant to plant	
7	Soil requirement to attain potential yield	Black cotton soil
8	Plant protection measure to attain potential yield	One preventive spray for disease & pest M-45 @7g/10L of water & Confidor @2ml/10L of water
9	Sowing window requirement to attain potential yield (Zone wise)	Peninsular & central zone- 10 to 30 Nov
10	Number of Irrigation required to attain potential yield	4-5 heavy soil
11	The best growing season to attain potential yield (Zone wise)	Winter season
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Peninsular & central zone
13	Intercultural operations	One weeding as per weed intensity or use of herbicide like 2 4 D @ 1kg/600L of water after 25-30days crop
14	Any other relevant information specific to the variety/hybrid	No

**Commercial Attribute**

1	Zone wise yield potential (average) per acre (q/ac) if applicable	Peninsular & Central zone 18-20
2	Seed yield/ha (average)	50-55 q
3	Thousand grain weight (g)	40-45g
4	Length of ear head (average)	8-10cm
5	Number of spikelet/ear head	50-52
6	Number of seed/ear head	40-45
7	Plant height(cm) average	105-110cm
8	Reaction against major disease & pests	Tolerant
9	Reaction to a biotic stresses like drought, heat salinity etc	Tolerant
10	Any other measures to achieve the potential yield	No

N4	TA4	10	368
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32. Application No. \_\_\_\_\_ filed on 20.12.2010 by **Ajeet Seeds Ltd., 2<sup>nd</sup> Floor Tapadia Terraces, Adalat Road, Aurangabad-431001, Maharashtra** for a New Variety of crop **Bread wheat** (*Triticum aestivum* L.) having denomination **AJEET-110 (ATW-102)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : AJEET-110 (ATW-102)  
**Applicant** : Ajeet Seeds Ltd.  
**Address of the applicant** : 2<sup>nd</sup> Floor Tapadia Terraces, Adalat Road, Aurangabad- 431001, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

N4	TA4	10	368
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b. Date of receipt : 27.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Bread wheat (*Triticum aestivum* L.)

Denomination : AJEET-110 (ATW-102)

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : AWL-668 line selected & treated 1000g seed by Gamma rays irradiation treatment

Source of parental material : Local collection

Name of reference varieties : HD 2189, HP 1731

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Flag leaf anthocynin coloration of auricle (Characteristic 4)	Absent
Time of ear emergence (Characteristic 7)	Early
Plant length (Characteristic 14)	Long
Awn or scurs presence (Characteristic 18)	Awns present
Outer glume pubescence (Characteristic 23)	Absent
Ear colour (Characteristic 24)	White
Season type (Characteristic 37)	Spring type
Grain hardness (Characteristic 38)	Semi-hard
<b>B. Distinct characteristics of candidate variety:</b> AJEET-110 (ATW-102) has distinguishing character as green foliage colour.	
<b>C. Distinct characteristics of reference varieties:</b> HD 2189 has distinguishing character as dark green foliage colour. HP 1731 has distinguishing character as dark green foliage colour.	

<b>D. Date of commercialization of the variety</b>		17.11.2011
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (Erect, Semi-erect, Indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	56days
3	Days to physiological maturity (average)	102days
4	Seeds rate per acre	40kg
5	Recommended Nutrition/acre schedule to attain potential yield and time of application	
	Organic (kg/ha)	12000 to 15000 FYM
	Inorganic (kg/ha)	48:24:16kg NPK/ac
	Other fertilizer (kg/ha)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	23.5cm
	Plant to plant	
7	Soil requirement to attain potential yield	Black cotton soil
8	Plant protection measure to attain potential yield	One preventive spray for disease & pest M-45 @7g/10Lof water & Confidor @2ml/10L of water
9	Sowing window requirement to attain potential yield (Zone wise)	Peninsular & central zone- 10 to 30 Nov
10	Number of Irrigation required to attain potential yield	4-5 heavy soil
11	The best growing season to attain potential yield (Zone wise)	Winter season
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Peninsular & central zone
13	Intercultural operations	One weeding as per weed intensity or use of herbicide like 2-4-D @ 1kg/600L of water after 25-30days crop
14	Any other relevant information specific to the variety/hybrid	No
<b>Commercial Attribute</b>		
1	Zone wise yield potential (average) per acre (q/ac) if applicable	Peninsular & Central zone 18-20
2	Seed yield/ha (average)	45-50 q
3	Thousand grain weight (g)	40-42g
4	Length of ear head (average)	8-10cm
5	Number of spikelet/ear head	48-50
6	Number of seed/ear head	40-45

7	Plant height(cm) average	80-90cm
8	Reaction against major disease & pests	Tolerant
9	Reaction to a biotic stresses like drought, heat salinity etc	Tolerant
10	Any other measures to achieve the potential yield	No

33. Application No. 

N8	SM60	11	1323
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 filed on 07.12.2011 by **Sungro Seeds Private Limited, 3<sup>rd</sup> Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-039** has been accepted and given registration number -----NA ----- on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-039  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3<sup>rd</sup> Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

N8	SM60	11	1323
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b. Date of receipt : 07.12.2011  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : S-EP-039  
Type of variety : New  
Classification of variety : Other (Inbred Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : D-371  
Source of parental material : Own germplasm  
Name of reference varieties : Swarna Avilamb, Arka Nidhi and Pusa Purple Cluster

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green



<b>B. Distinct characteristics of candidate variety:</b> S-EP-039 has distinguishing character as mixed fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b> Swarna Avilamb has distinguishing character as solitary fruiting pattern. Arka Nidhi has distinguishing character as solitary fruiting pattern. Pusa Purple Cluster has distinguishing character as cluster fruiting pattern.		
<b>D. Date of commercialization of the variety</b>		18.11.2011
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average) (days after seed sowing)	60-80days
3	Days to maturity (average) (days after seed sowing)	70-90days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350kg/ac neem cake at the time of land preparation
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side dressing. After 6weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter & has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soil should be avoided due to the build-up of root-rotting disease.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/L of water) or Metalaxyl 35WS (Mask) @2g/L. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/L or Dinocap 48EC (Karathane) @30ml/10L of water. Phomopsis Fruit Rot: Seed

		<p>treatment with Thiram 75SD (Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/L or Mancozeb (2g/L of water) or Zineb (Dithane Z-78) @2g/L. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/L or Chlorothalonil 70WP (Kavach) @3g/L of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/L+Copperoxychloride 50WP (Blue copper) @3g/L. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/L + Hexaconazole 5EC (Contaf) @2.5ml/L.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/L or Fame (Flubendiamide) @0.2ml/L or Rimon (Novaluron) @1ml/L or Spintor (Spinosad) @0.75ml/L. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/L on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/L or Ulala(Flonicamid) @0.3g/L or Confidor (Imidacloprid) @0.4ml/L or Asataf (Acephate) @2g/L. Epilachna beetle: Dust carbaryl (Sevin) @4g/L. Mites: Spray Oberon (Spiromesifen) @0.4ml/L or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/L. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/L or Regent (Fipronil) @2ml/L or Confidor (Imidacloprid) @0.4 ml/L. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid) @0.4ml/L or Asataf (Acephate) 75SP @2g/L. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/L or Ulala (Flonicamid) @0.3g/L.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	Arid zone: kharif (June-July) Semi arid zone subtropical: kharif (June-July) Humid subtropical: kharif (June-July) Tropical wet & dry: kharif (June-Aug) & rabi (Sept-Oct)
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Humid subtropical: kharif season, semi arid zone: kharif season, tropical wet & dry: kharif & rabi seasons.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	110-130q/ac
2	Yield of fruit per plant (average)(kg)	1.8-2.1kg

34. Application No. 

N14	SM2	12	75
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a New Variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **NBJ-02** has been accepted and given registration number -----NA -- -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-02  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number : 

N14	SM2	12	75
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b. Date of receipt : 30.03.2012

c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : NBJ-02  
 Type of variety : New  
 Classification of variety : Other (Parental Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : Surti Gulabi x NBGP-34  
 Source of parental material : Own germplasm  
 Name of reference varieties : MDU-1, CO-1 and Pusa Hybrid-6

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Purple
<b>B. Distinct characteristics of candidate variety:</b> NBJ-02 has distinguishing character as strong fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> MDU-1 has distinguishing character as medium fruit intensity of colour of calyx. CO-1 has distinguishing character as medium fruit intensity of colour of calyx. Pusa Hybrid-6 has distinguishing character as medium fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>		21.06.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm

7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	180-200 q/ac
2	Yield of fruit per plant (average)	2.40-2.65 kg

35. Application No. 

N13	SM1	12	74
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a New Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-01** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-01  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N13	SM1	12	74
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b. Date of receipt : 30.03.2012  
c. Date of acceptance : --  
**Crop (taxonomical lineage)** : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-01  
Type of variety : New  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Panipat Local x NCGP-24

Source of parental material : Own germplasm  
 Name of reference varieties : DRNKV-02-29, Pant Rituraj and Pusa Hybrid-6

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> NBJ-01 has distinguishing character as erect plant growth habit.		
<b>C. Distinct characteristics of reference varieties:</b> DRNKV-02-29 has distinguishing character as semi spreading plant growth habit. Pant Rituraj has distinguishing character as semi spreading plant growth habit. Pusa Hybrid-6 has distinguishing character as semi spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		21.06.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement

11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	160-170 q/ac
2	Yield of fruit per plant (average)	2.15-2.30 kg

36. Application No. 

N15	SM6	12	79
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a New Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-07** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-07  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana

Nationality of applicant : Indian

**Application details**

a. Number : 

N15	SM6	12	79
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b. Date of receipt : 30.03.2012

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : NBJ-07

Type of variety : New

Classification of variety : Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of parental material : NBGP-35 x Surti Gulabi

Source of parental material : Own germplasm

Name of reference varieties : CH-1045 and Pusa Hybrid-9

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Globular

Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Absent	
Fruit: Colour of calyx (Characteristic 35)	Green	
<b>B. Distinct characteristics of candidate variety:</b> NBJ-07 has distinguishing character as green fruit colour of calyx and spreading plant growth habit.		
<b>C. Distinct characteristics of reference varieties:</b> CH-1045 has distinguishing character as purple fruit colour of calyx and semi spreading plant growth habit. Pusa Hybrid-9 has distinguishing character as green fruit colour of calyx and semi spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>	22.11.2011	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit	Semi spreading
2	Days to flowering/anthesis (average)	50-55 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	



Commercial Attribute		
1	Yield potential (average) per acre (q/ac)	150-160 q/ac
2	Yield of fruit per plant (average)	2.00-2.15 kg
3	Size of the fruit (average)	Length 8.0-9.0cm, width 8.0-9.0cm
4	Weight of each fruit (average)	200-250g
5	Plant height (cm)(average)	60-65cm
6	Reaction against major diseases and pests	Good tolerance against sucking pest
7	Reaction to major abiotic stresses like drought, heat, salinity etc.	Good heat tolerance
8	Storage/keeping quality after the harvest	4-5days
9	Any other measures to achieve the potential yield	Maintain slightly moisturized field.

37. Application No. 

E13	SM51	10	449
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3<sup>rd</sup> Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-446** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-446  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3<sup>rd</sup> Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E13	SM51	10	449
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : S-EP-446  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : D-297 x BI-153  
Source of parental material : Own germplasm  
Name of reference varieties : Swarna Ajay and Azad Brinjal-1

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short

Fruit: Diameter (Characteristic 21)	Small	
Fruit: General shape (Characteristic 23)	Ovoid	
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Absent	
Fruit: Colour of calyx (Characteristic 35)	Purple	
<b>B. Distinct characteristics of candidate variety:</b> S-EP-446 has distinguishing character as medium fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> Swarna Ajay has distinguishing character as weak fruit intensity of colour of calyx. Azad Brinjal-1 has distinguishing character as weak fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>	25.06.2007	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi spreading
2	Days to flowering/anthesis (average)(days after seed sowing)	60-80days
3	Days to maturity (average)(days after seed sowing)	70-90days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350kg/ac neem cake at the time of land preparation
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side dressing. After 6weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
6	Other fertilizer (per ac or per plant)	
	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter & has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soil should be avoided due to the build-up of root-rotting disease.
8	Plant protection measure to attain potential yield	Diseases:

		<p>Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/l of water) or Metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/l or Dinocap 48EC (Karathane) @30ml/10l of water. Phomopsis Fruit Rot: Seed treatment with Thiram 75SD (Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/l or Mancozeb (2g/l of water) or Zineb (Dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/l or Chlorothalonil 70WP (Kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/l+Copperoxychloride 50WP (Blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/l + Hexaconazole 5EC (Contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/l or Fame (Flubendiamide) @0.2ml/l or Rimon (Novaluron) @1ml/l or Spintor (Spinosad) @0.75ml/l. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/l or Ulala(Flonicamid) @0.3g/l or Confidor (Imidacloprid) @0.4ml/l or Asataf (Acephate) @2g/l. Epilachna beetle: Dust carbaryl (Sevin) @4g/l. Mites: Spray Oberon (Spiromesifen) @0.4ml/l or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/l. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/l or Regent (Fipronil) @2ml/l or Confidor (Imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> </ul>
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		<ul style="list-style-type: none"> <li>Remove infected plants at early stage to eradicate primary source of inoculum.</li> <li>Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid @0.4ml/l or Asataf (Acephate) 75SP @2g/l. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> <li>Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>Removal and destruction of infected plants. Use of barrier crop.</li> <li>Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	Semi arid zone of north: June-July Semi arid zone of south: June-Aug Tropical wet & dry of east: kharif (July-Aug) & rabi (Sept-Oct) Humid subtropical of north: kharif (June-July) Tropical wet: Aug-Sep
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Semi arid zone of north: kharif season, tropical wet & dry of east: kharif & rabi.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	170-180q/ac
2	Yield of fruit per plant (average)(kg)	2.5-3.0kg

38. Application No. 

N21	SM21	10	407
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a New Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60209** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60209  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N21	SM21	10	407
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60209  
Type of variety : New  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-49  
Source of parental material : Own germplasm  
Name of reference varieties : MDU-1 and Pant Rituraj

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60209 has distinguishing character as small fruit diameter.		
<b>C. Distinct characteristics of reference varieties:</b> MDU-1 has distinguishing character as medium fruit diameter. Pant Rituraj has distinguishing character as medium fruit diameter.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect bushy and non spiny
2	Days to flowering/anthesis (average)(days after seed sowing)	35-40days
3	Days to maturity (average)(days after seed sowing)	50-55days

4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of Potash & Phosphorus final land preparation. Balance quantity of nitrogen is applied in two split does as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	80 : 40 : 40 kg NPK/ac
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ-60209 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/l of water) or Metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/l or Dinocap 48EC (Karathane) @30ml/10l of water. Phomopsis Fruit Rot: Seed treatment with Thiram 75SD (Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/l or Mancozeb (2g/l of water) or Zineb (Dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/l or Chlorothalonil 70WP (Kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/l+Copperoxychloride 50WP (Blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/l + Hexaconazole 5EC (Contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/l or Fame (Flubendiamide) @0.2ml/l or Rimon (Novaluron) @1ml/l or Spintor (Spinosad) @0.75ml/l. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around</p>

		<p>plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/l or Ulala(Flonicamid) @0.3g/l or Confidor (Imidacloprid) @0.4ml/l or Asataf (Acephate) @2g/l. Epilachna beetle: Dust carbaryl (Sevin) @4g/l. Mites: Spray Oberon (Spiromesifen) @0.4ml/l or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/l. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/l or Regent (Fipronil) @2ml/l or Confidor (Imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid) @0.4ml/l or Asataf (Acephate) 75SP @2g/l. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil

Commercial Attribute		
1	Yield potential (average) per acre (q/ac)	130-150q/ac
2	Yield of fruit per plant (average)(kg)	20-22kg

39. Application No. 

E12	SM12	12	85
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **NBJ-17** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-17  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
**Nationality of applicant** : Indian

**Application details**

E12	SM12	12	85
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a. Number :  
b. Date of receipt : 30.03.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-17  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Pusa Purple Long x NEELAM x NBGP-30  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Purple Long and Pusa Kranti

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Long
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b>	



**NBJ-17** has distinguishing character as small fruit diameter and weak fruit intensity of colour of calyx.

**C. Distinct characteristics of reference varieties:**

**Pusa Purple Long** has distinguishing character as small fruit diameter and medium fruit intensity of colour of calyx.

**Pusa Kranti** has distinguishing character as medium fruit diameter and medium fruit intensity of colour of calyx.

**D. Date of commercialization of the variety** 21.06.2006

**E. Agronomic and commercial attributes**

S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Semi erect/ bushy
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	50-55 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of Irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
S.No.	Commercial Attribute	Remarks
1	Yield potential (average) per acre (q/ac)	190-200 q/ac
2	Yield of fruit per plant (average)	2.5-2.65 kg

40. Application No. 

N29	SM29	10	415
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) Variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60281** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60281  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**  
a. Number : 

N29	SM29	10	415
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --

**Crop (taxonomical lineage)** : Brinjal (*Solanum melongena* L.)

Denomination : BJ 60281

Type of variety : New

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : B-781

Source of parental material : Own germplasm

Name of reference varieties : MDU 1

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Present
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60281 has distinguishing character as semi spreading plant growth habit.	
<b>C. Distinct characteristics of reference variety:</b> MDU 1 has distinguishing character as spreading plant growth habit	
<b>D. Date of commercialization of the variety</b>	10.04.2004
<b>E. Agronomic and commercial attributes</b>	

S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect non spiny
2	Days to flowering/anthesis (average)(days after seed sowing)	57-63days
3	Days to maturity (average)(days after seed sowing)	63-67days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of Potash & Phosphorus final land preparation. Balance quantity of nitrogen is applied in two split does as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	80 : 40 : 40 kg NPK/ac
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ-60281 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/l of water) or Metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/l or Dinocap 48EC (Karathane) @30ml/10l of water. Phomopsis Fruit Rot: Seed treatment with Thiram 75SD (Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/l or Mancozeb (2g/l of water) or Zineb (Dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/l or Chlorothalonil 70WP (Kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/l+Copperoxychloride 50WP (Blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/l + Hexaconazole 5EC (Contaf) @2.5ml/l.</p> <p>Pests:</p>

		<p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/l or Fame (Flubendiamide) @0.2ml/l or Rimon (Novaluron) @1ml/l or Spintor (Spinosad) @0.75ml/l. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/l or Ulala(Flonicamid) @0.3g/l or Confidor (Imidacloprid) @0.4ml/l or Asataf (Acephate) @2g/l. Epilachna beetle: Dust carbaryl (Sevin) @4g/l. Mites: Spray Oberon (Spiromesifen) @0.4ml/l or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/l. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/l or Regent (Fipronil) @2ml/l or Confidor (Imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid) @0.4ml/l or Asataf (Acephate) 75SP @2g/l. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	<p>Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb</p>
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.

11	The best growing season to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	118-128q/ac
2	Yield of fruit per plant (average)(kg)	14-16kg

41. Application No. 

N2	AE2	10	384
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a New Variety of crop **Okra** (*Abelmoschus esculentus* (L.) Moench) having denomination **MOK 60034** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : MOK 60034  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N2	AE2	10	384
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench)  
Denomination : MOK 60034  
Type of variety : New  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : MHOK 10 x O-83  
Source of parental material : Own germplasm  
Name of reference varieties : Kashi Lalima and Arka Anamika

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Stem colour (Characteristic 1)	Green
Leaf blade depth of lobing (Characteristic 3)	Deep

Stem number of nodes at first flowering (Characteristic 4)	Few	
Fruit colour (Characteristic 17)	Green	
Fruit number of locules (Characteristic 24)	<6	
Plant number of branches (Characteristic 25)	Medium	
<b>B. Distinct characteristics of candidate variety:</b>		
<b>MOK 60034</b> has distinguishing character as deep leaf blade depth of lobing, few(<5) stem number of nodes at first flowering and flat fruit surface between ridges.		
<b>C. Distinct characteristics of reference varieties:</b>		
<b>Kashi Lalima</b> has distinguishing character as medium leaf blade depth of lobing, medium(5-8) stem number of nodes at first flowering and concave fruit surface between ridges.		
<b>Arka Anamika</b> has distinguishing character as deep leaf blade depth of lobing, medium(5-8) stem number of nodes at first flowering and flat fruit surface between ridges.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Indeterminate
2	Days to flowering/anthesis (average)	32-34days
3	Days to maturity (average)	105-110days
4	Planting material/seed material requirement	Seed
5	Fertilizer requirement to attain potential yield and time of application	10-15 CL well decomposed FYM at the time of land preparation.
	Inorganic (per ac)	N : P : K (kg) 48 : 24 : 24 At land preparation: 25% N 100% P and 100% K. 20 DAS: 25%N 35-40 DAS: 25% N 55-60 DAS: 25% N
	Other fertilizer (per ac)	Boracol 8kg
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Good fertile & well drained
8	Plant protection measure to attain potential yield	Use recommended chemicals to control diseases like OYVMV & wilt & pests like White flies & Jassids.
9	Sowing window requirement to attain potential yield (Zonewise)	Central and west zone: 15 June to 15 July
10	Number of Irrigation required to attain potential yield (Zonewise)	Central and west zone: 5-6

11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central and west zone
13	Any other relevant information specific to the variety/hybrid	-
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	30-35q/ac
2	Yield of fruit per plant (average)(kg)	125-155g/plant

42. Application No. 

E32	LL43	11	429
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 filed on 27.07.2011 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **PUSA SADABAHAR** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PUSA SADABAHAR  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : Krishi Bhawan, New Delhi-110001  
Nationality of applicant : Indian

**Application details**

E32	LL43	11	429
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a. Number :  
b. Date of receipt : 27.07.2011  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : PUSA SADABAHAR  
Type of variety : Extant (VCK)  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : WIR-362  
Source of parental material : It is a selection from the germplasm (line breeding).  
Name of reference varieties : JT-3, Arka Ahuti

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Present
Fruit : Shape in longitudinal section (Characteristic 33)	Cylindrical/Obovoid

Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> PUSA SADABAHAR has distinguishing character as bilobe flower stigma, present fruit green shoulder (before maturity) and 2 fruit number of locules.		
<b>C. Distinct characteristics of reference varieties:</b> JT-3 has distinguishing character as multilobe flower stigma, absent fruit green shoulder (before maturity) and >4 fruit number of locules. Arka Ahuti has distinguishing character as bilobe flower stigma, present fruit green shoulder (before maturity) and 2 fruit number of locules		
<b>D. Date of commercialization of the variety</b>		05.05.2001
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (Determinate/Indeterminate)	Determinate
2	Days to Flowering/Anthesis (Average)	25(days to transplanting)
3	Days to maturity (Average)	50(days to transplanting)
4	Planting Material / seeds material requirement	200g/ac
5	Fertilizer requirement to attain potential and time of application	
	Organic (per ac or per plant)	10 t/ac (FYM)
	Inorganic (per ac)	60kg-N, 25kg-P, 25kg-K/ac
	Other fertilizer (per ac or per plant)	NA
6	Spacing (cm) requirement to attain potential	
	Row to row	50cm
	Plant to plant	50cm
7	Soil requirement to attain potential yield	Well drained loam soil with good organic contents (>0.5%) with pH range of 6.5-7.5
8	Plant protection measure to attain potential yield	Seed treatment with content fungicide (2g/kg of seed)
9	Sowing window requirement to attain potential yield	North zone: Oct-Feb (sowing oct, transplanting nov)
10	Number of Irrigation required to attain potential yield	8-12 irrigations
11	The best growing season to attain potential yield	North zone: Oct-Feb (sowing oct, transplanting nov)
12	Name the cropping/climate Zone of India in which the variety/Hybrid trials were conducted	North zone, ICAR-Indian Agricultural Research Institute, New Delhi
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (Average) per ac (q/ac)	140-150q/ac



2	Yield of fruit per plant (Average)	1.25 kg/plant
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43. Application No. 

N17	BB17	10	467
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 filed on 27.12.2010 by **Nuziveedu Seeds Limited, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana** for a New Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **NCFD-53** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NCFD-53  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana

**Nationality of applicant** : Indian

**Application details**

a. Number : 

N17	BB17	10	467
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b. Date of receipt : 27.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : NCFD-53

Type of variety : New

Classification of variety : Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of parental material : PNKD-53-1-4-3-4-5

Source of parental material : Own germplasm

Name of reference varieties : Pusa Meghana and Pusa Kartik Sankar

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)	Absent
Curd covering by inner leaves (Characteristic 16)	Partly covered
Curd shape in longitudinal section (Characteristics 19)	Broad elliptic
Curd maturity group (Characteristic 26)	Early
<b>B. Distinct characteristics of candidate variety:</b> NCFD-53 has distinguishing character as semi-erect leaf attitude, partly covered curd covering by inner leaves, medium curd doming and compact curd compactness.	
<b>C. Distinct characteristics of reference varieties:</b> <b>Pusa Meghana</b> has distinguishing character as horizontal leaf attitude, partly covered curd covering by inner leaves, weak curd doming and medium curd compactness.	

<b>Pusa Kartik</b> Sankar has distinguishing character as semi-erect leaf attitude, not covered curd covering by inner leaves, weak curd doming and medium curd compactness.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	110days after planting
3	Days to maturity (average)	55days after planting
4	Seeds rate/requirement per acre	400g
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10 ton
	Inorganic (per ac or per plant)	200N:125P:150K
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Sandy loam
8	Plant protection measure to attain potential yield	Damping off: Drench nursery beds with copper oxychloride or Captan (2g/l of water). Downey Mildew: Spray copper oxychloride or mancozeb (2g/l) or metalaxylmancozeb (1g/l). Alternaria Blight: Spray mancozeb or copper oxychloride (2g/l). Black rot: Treats seeds before sowing in 1000ppm (1g/l) of streptomycin for 30mins. Diamond Back Moth: Spray neem seed kernel extract (4%) or preparation of Bacillus thuringensis at 15, 25 & 35 days after planting. Aphids: Spray monocrotophos or dimethoate (1.5ml/l) or oxydemeton methyl (2ml/l). Leaf Webber/Stem Borer: Spray monocrotophos or cypermethrin (1ml/l). Boron Deficiency: Apply borax @10-15kg/ha at the time of final land preparation.
9	Sowing window requirement to attain potential yield	15-30June
10	Number of Irrigation required to attain potential yield	As per requirement
11	The best growing season to attain potential yield	Kharif

12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Semi arid and humid subtropical
13	Any other relevant information specific to the variety/hybrid	NA
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	80q/ac
2	Yield of fruit per plant (average)(curd weight)	500g
3	Size of the curd(average)	7.0 x 12.5cm
4	Weight of each curd(average)	500g
5	Plant height(cm)(average)	90cm
6	Reaction against major diseases and pests	Susceptible
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Susceptible
8	Storage/keeping quality after the harvest	Poor
9	Any other measures to achieve the potential yield	NA

44. Application No. 

N11	SB32	13	959
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 filed on 25.11.2013 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.** for a New Variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **CSV 28** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : CSV 28  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : Krishi Bhawan, New Delhi-110001  
Nationality of applicant : Indian

**Application details**

N11	SB32	13	959
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a. Number :  
b. Date of receipt : 25.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)  
Denomination : CSV 28  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : IRAT 204 x SPV 1134  
Source of parental material : IRAT from ICRISAT & SPV 1134 somoclon of SPV 462  
Name of reference varieties : CSV 15 and CSV 23  
Variety description:

A. Grouping characteristics	Remarks (measured values).
Plant time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)	Late
Plant total height (Characteristics 18)	Long
Panicle shape (Characteristics 27)	Symmetric
Caryopsis colour after threshing (Characteristics 33)	Yellow white
<b>B. Distinct characteristics of candidate variety:</b> CSV 28 has distinguishing character as late plant time of panicle emergence and long plant total height.	
<b>C. Distinct characteristics of reference varieties:</b> CSV 15 has distinguishing character as medium plant time of panicle emergence and medium plant total height. CSV 23 has distinguishing character as medium plant time of panicle emergence and medium plant total height	
<b>D. Date of commercialization of the variety</b>	Not commercialized
<b>E. Agronomic and commercial attributes</b>	
<p>A. Yield Parameters:</p> <ol style="list-style-type: none"> <li>1. Grain yield: CSV 28 was top ranker in 42.19% of the trials of AICRP-Sorghum conducted during 3 years of testing at various locations whereas, CSV 15 was top ranker in 32.81% trials and CSV 23 in 12.50% trials. At national level on the basis of mean over the years (2007-2009) CSV 28 was better than checks CSV 15 (5%) and CSV 23 (11%) with a mean grain yield of 2827kg/ha.</li> <li>2. Dry fodder yield: CSV 28 was top ranker in 39.39% trials of AICRP-Sorghum among the genotypes at national level. On the basis of mean dry fodder yield of the variety over the years (2007-2009) at national level it was 2% &amp; 7% higher than check CSV 15 &amp; CSV 23, respectively with a mean dry fodder yield of 17304kg/ha.</li> <li>3. Total biomass: The variety CSV 28 occupied top ranking in 39% trials while CSV 15 occupied top ranking in 24% trials &amp; CSV 23 in 15% at national level. On the basis of mean performance CSV 28 showed superiority of 3 &amp; 7% over CSV 15 &amp; CSV 23, respectively.</li> </ol> <p>B. Response to different fertility levels:</p> <ol style="list-style-type: none"> <li>1. At all levels of fertility the variety CSV 28 gave very good response in comparison to the checks at national level for grain yield under AICRP-Sorghum trials. Similar trend was also observed for dry fodder yield particularly at recommended dose (80N:40P:40K) &amp; 150% of RDF.</li> </ol> <p>C. Reaction to major insect pests and diseases:</p> <ol style="list-style-type: none"> <li>1. CSV 28 showed resistance reaction (score less than 3) for all the foliar disease &amp; moderately resistance to grain mold (field grade 3.4) &amp; grain mold thresh grade (4.6). The CSV 28 showed on a par score for ZLS (2.9) &amp; LB (2.5) to CSV (3.1, 2.5). The downy mildew &amp; ergot incidence was also low (9 &amp; 12% respectively) as compared to other genotypes.</li> <li>2. The shoot fly &amp; stem borer dead heart percentage was less than CSV 23 &amp; comparable to CSV 15 which shows improved resistance in CSV 28.</li> </ol> <p>D. Stover quality:</p>	

1. With respect to quality parameters CSV 28 was on a par to CSV 15 & CSV 23.

45. Application No. 

N8	CC8	10	209
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 filed on 13.07.2010 by **JK Agri Genetics Ltd., 1-10-177, 4<sup>th</sup> Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana** for a New Variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp.) having denomination **JKCMS-24** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKCMS-24  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 4<sup>th</sup> Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana

Nationality of applicant : Indian

**Application details**

a. Number : 

N8	CC8	10	209
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b. Date of receipt : 13.07.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* (L.) Millsp.)

Denomination : JKCMS-24

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : JKPL-736

Source of parental material : Own germplasm

Name of reference varieties : Maruthi and BSMR-853

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Time of flowering (Characteristic 3)	Medium
Plant growth habit (Characteristic 4)	Indeterminate
Stem colour (Characteristic 5)	Green
Pod waxiness (Characteristic 12)	Present
Seed colour (Characteristic 18)	Brown
<b>B. Distinct characteristics of candidate variety:</b> JKCMS-24 has distinguishing character as pod colour green, pod waxiness present and seed colour brown.	
<b>C. Distinct characteristics of reference varieties:</b> Maruthi has distinguishing character as green with purple streaks pod colour and pod waxiness absent and seed colour brown.	

**BSMR-853** has distinguishing character as green with purple streaks pod colour, pod waxiness absent and seed colour cream.

**D. Date of commercialization of the variety** | Not commercialized

**E. Agronomic and commercial attributes**

S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Indeterminate
2	Days to flowering/anthesis (average)	Medium (91-130days)
3	Days to physiological maturity (average)	190-220 days
4	Seed rate per acre	5-6.5kg/ac
5	Recommended nutrition/acre schedule to attain potential yield and time of application	
	Organic (load/ha)	10 cart load of farm yard manure
	Inorganic (kg/ha)	20-25kg N, 17-26kg P
	Other fertilizers	Rhizobium ranged from 19 to 68%
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60-75cm
	Plant to plant	15-20cm
7	Soil requirement to attain potential yield	Sandy loam to clay loam
8	Plant protection measure to attain potential yield	There should be good drainage in field & plants should be protected from stem injury
9	Sowing window requirement to attain potential yield	Onset of rainfall/June first week
10	Number of Irrigation required to attain potential yield	(45-50days) after sowing, 1 <sup>st</sup> at flowering & 2 <sup>nd</sup> at pod formation stage
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central & south
13	Intercultural operations	Weeding, remove diseased plants if any from field
13	Any other relevant information specific to the variety/hybrid	-

**Commercial Attribute**

1	Zone wise yield potential (average) per acre (q/ac)	-
2	Seed yield q/ha (average)	14 q/ha

46. Application No. 

N6	CC6	10	201
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 filed on 30.06.2010 by **JK Agri Genetics Ltd., 1-10-177, 4<sup>th</sup> Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana**

for a New Variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp.) having denomination **JKCMS-9** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKCMS-9  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 4<sup>th</sup> Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana  
Nationality of applicant : Indian

**Application details**  
a. Number : 

N6	CC6	10	201
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b. Date of receipt : 30.06.2010  
c. Date of acceptance : --

**Crop (taxonomical lineage)** : Pigeon pea (*Cajanus cajan* (L.) Millsp.)  
Denomination : JKCMS-9  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : JKPL-875  
Source of parental material : Own germplasm  
Name of reference varieties : Maruthi, BSMR 739

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Time of flowering (Characteristic 3)		Medium
Plant growth habit (Characteristic 4)		Indeterminate
Stem colour (Characteristic 5)		Green
Pod waxiness (Characteristic 12)		Present
Seed colour (Characteristic 18)		Brown
<b>B. Distinct characteristics of candidate variety:</b> JKCMS-9 has distinguishing character as narrowly leaf shape.		
<b>C. Distinct characteristics of reference varieties:</b> Maruthi has distinguishing character as oblong leaf shape BSMR 739 has distinguishing character as oblong leaf shape		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Indeterminate

2	Days to flowering/anthesis (average)	Medium (95-110days)
3	Days to physiological maturity (average)	125-140 days
4	Seed rate per acre	5-6.5kg/ac
5	Recommended nutrition/acre schedule to attain potential yield and time of application	
	Organic (load/ha)	10 cart load of farm yard manure
	Inorganic (kg/ha)	20-25kg N ha-1, 17-26kg P ha-1
	Other fertilizers	Rhizobium ranged from 19 to 68%
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60-75cm
	Plant to plant	15-20cm
7	Soil requirement to attain potential yield	Sandy loam to clay loam
8	Plant protection measure to attain potential yield	There should be good drainage in field & plants should be protected from stem injury
9	Sowing window requirement to attain potential yield	Onset of rainfall/June first week
10	Number of Irrigation required to attain potential yield	(45-50days) after sowing, 1 <sup>st</sup> at flowering & 2 <sup>nd</sup> at pod formation stage
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central & south
13	Intercultural operations	Weeding, remove diseased plants if any from field
13	Any other relevant information specific to the variety/hybrid	-
<b>Commercial Attribute</b>		
1	Zone wise yield potential (average) per acre (q/ac)	-
2	Seed yield q/ha (average)	12-13 q/ha

47. Application No. 

E1	AO1	18	674
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 filed on 03.08.2018 by **Indian Council of Agricultural Research, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi-110001** for a Extant (Notified) Variety of crop **Cashew** (*Anacardium occidentale* L.) having denomination **BHASKARA** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----



Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BHASKARA  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : PO Box-63, Bhadgaon Road, Pachora-424201, Dist-Jalgaon, Maharashtra  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E1	AO1	18	674
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b. Date of receipt : 03.08.2018  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Cashew (*Anacardium occidentale* L.)  
Denomination : BHASKARA  
Type of variety : Extant (Notified)  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Selection from forest cashew plantation at Gaonbengrem, Canacona Tq, Goa of seedling origin  
Source of parental material : Vegetatively propagated by grafting  
Name of reference varieties : Ullal 3, NRCC 2  
Notification Details : Number: 2277 (E), Dated: 17.08.2015

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Color of young leaves (Characteristic 4)	Yellow green
Leaf shape (Characteristic 5)	Obovate
Color of mature apple (Characteristic 12)	Pinkish Orange
Cashew apple shape (Characteristic 13)	Slightly conical with oblique apex
Nut weight (Characteristic 20)	High
Shelling percentage (Characteristic 26)	High
<b>B. Distinct characteristics of candidate variety:</b> <b>BHASKARA</b> has distinguishing character as yellow green colour of young leaves, obovate leaf shape, loose compactness of inflorescence, pinkish orange matured cashew apple colour, slightly conical with oblique apex cashew apple shape, high weight of cashew apple, high fruit nut weight, high shelling percentage.	
<b>C. Distinct characteristics of reference varieties:</b> <b>Ullal 3</b> has distinguishing character as yellow red colour of young leaves, obovate leaf shape, loose compactness of inflorescence, red matured cashew apple colour, conical obovate cashew apple shape, high weight of cashew apple, intermediate fruit nut weight, intermediate shelling percentage <b>NRCC 2</b> has distinguishing character as yellow red colour of young leaves, elliptical leaf shape, loose compactness of inflorescence, light red matured cashew apple colour, conical obovate with cashew apple shape, high weight of cashew apple, high fruit nut weight, intermediate shelling percentage.	
<b>D. Date of commercialization of the variety</b>	Since 2006

<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Fruit: harvest maturity (days)	Not applicable as it is perennial
2	Production condition: Suitability area in the country	Coastal regions of Karnataka
	Planting season	June-July
	Fertilizer dose	750:125:125g/tree for adult trees 15 years & above. For young trees above dose of 1/5 for 1 <sup>st</sup> year, 2/5 for 2 <sup>nd</sup> year, 3/5 for 3 <sup>rd</sup> year, 4/5 for 4 <sup>th</sup> year.
3	Tolerance to adverse temperature frost and heat sensitive tolerant	-
4	Resistance tolerance to pest/s	Escapes from TMP under low to moderate out break situation. Regular spray against TMB is essential under severe out break. Appropriate protection against cashew stem and root borer is quite obligatory.
5	Maturity group	Mid season flowering type (December-March) with medium duration flowering (60days).
6	Yield tree (average) (kg)	10.7kg (13 year old tree)
7	Number of nuts/kg	125-160kg
8	Nut weight(g)	7.38g
9	Kernel weight(g)	2.2g
10	Shelling percentage	30.6
11	Cashew apple characteristics	Apple colour: Pinkish orange Apple shape: Slightly conical in shape with oblique apex. Weight: 64g

48. Application No. 

E3	SM3	12	76
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-03** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-03  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
**Nationality of applicant** : Indian

**Application details**

a. Number	:	E3	SM3	12	76
b. Date of receipt	:	30.03.2012			
c. Date of acceptance	:	--			
<b>Crop (taxonomical lineage)</b>	:	Brinjal ( <i>Solanum melongena</i> L.)			
Denomination	:	NBJ-03			
Type of variety	:	Extant (VCK)			
Classification of variety	:	Other (Parental Line)			
Previously proposed	:	Not applicable			
Denomination	:				
Name of parental material	:	PRAGATHI x NBGP-26			
Source of parental material	:	Own germplasm			
Name of reference varieties	:	Swarna Ajay and Punjab Nagina			

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
NBJ-03 has distinguishing character as short fruit length and medium fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b>		
Swarna Ajay has distinguishing character as medium fruit length and weak fruit intensity of colour of calyx.		
Punjab Nagina has distinguishing character as medium fruit length and weak fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>		08.06.2009
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	45-50 days
3	Days to maturity (average)	55-60 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg

	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	90X60 cm
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	170-180 q/ac
2	Yield of fruit per plant (average)	2.25-2.40 kg
3	Size of the fruit (average)	Length 6.0-7.0cm, width 4.0-4.5cm
4	Weight of each fruit (average)	50-60g
5	Plant height (cm)(average)	55-65cm
6	Reaction against major diseases and pests	Good tolerance against sucking pest
7	Reaction to major abiotic stresses like drought, heat, salinity etc	Good heat tolerance
8	Storage/keeping quality after the harvest	4-5days
9	Any other measures to achieve the potential yield	Maintain slightly moisturized field

49. Application No. 

E1	BC1	11	258
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 filed on 01.06.2011 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001**. for a Extant (VCK) variety of crop **Cabbage** (*Brassica oleracea* var. Capitata) having denomination **PUSA AGETI** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PUSA AGETI  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : Krishi Bhawan, New Delhi-110001

Nationality of applicant : Indian

**Application details**

a. Number	E1	BC1	11	258
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b. Date of receipt : 01.06.2011

c. Date of acceptance : --

Crop (taxonomical lineage) : Cabbage (*Brassica oleracea* var. Capitata)

Denomination : PUSA AGETI

Type of variety : Extant (VCK)

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : Recurrent selection from progeny of F1 hybrid TKBCH-28

Source of parental material : Own germplasm

Name of reference varieties : Pride of India and Golden Acre

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Head shape of longitudinal section (Characteristic 13)		Broad ovate
Head colour of cover leaves (Characteristic 20)		Dark green
Head compactness (Characteristic 22)		Medium
Head maturity duration ( from sowing) (Characteristic 24)		Early
<b>B. Distinct characteristics of candidate variety:</b>		
PUSA AGETI has distinguishing character as broad ovate head shape of longitudinal section, round head shape of base in longitudinal section, small head equatorial diameter, dark green head colour of cover leaf and greenish white head internal colour.		
<b>C. Distinct characteristics of reference varieties:</b>		
Pride of India has distinguishing character as broad elliptic head shape of longitudinal section, flat head shape of base in longitudinal section, medium head equatorial diameter, light green head colour of cover leaf and yellowish white head internal colour.		
Golden Acre has distinguishing character as circular head shape of longitudinal section, flat head shape of base in longitudinal section, medium head equatorial diameter, light green head colour of cover leaf and yellowish white head internal colour.		
<b>D. Date of commercialization of the variety</b>		26.08.2004
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	140-150days
3	Days to maturity (average) (for head stage)	75-80days after transplanting
4	Seed rate requirement per ac	250g/ac

5	Fertilizer requirement to attain potential and time of application	-
	Organic (per ac or per plant)	FYM: 8-10t/ac
	Inorganic (per ac or per plant)	Nitrogen: 50kg/ac, Phosphorus: 30kg/ac, Potash: 25kg/ac Apply half dose of nitrogen, full dose of potash and phosphorus at last ploughing. Give remaining nitrogen in two splits at 30 & 45 days after transplanting.
	Other fertilizer (per ac or per plant)	In case of poor growth at initial stage, spray urea 0.5-1.0% at 15 & 30 days after transplanting in early season crop. Apply borax @5-6kg/ac.
6	Spacing (cm) requirement to attain potential	-
	Row to row	45-60cm
	Plant to plant	30-45cm
7	Soil requirement to attain potential yield	Light medium loam or sandy loam and heavy soil rich in organic matter, well drained with pH range of 6.0-6.5.
8	Plant protection measure to attain potential yield	Seed treatment with bavistin or thiram or captan @2g/kg seeds to prevent from damping-off. Spray mencozeb 75% WP 30 days after transplanting to avoid crop loss from alternaria leaf blight.
9	Sowing window requirement to attain potential yield	Sowing: June end to July Transplanting: August
10	Number of irrigation required to attain potential yield	10-12 irrigations at 7-10 days interval to maintain adequate moisture in root zone. Ensure adequate soil moisture at head formation stage otherwise head splitting/bursting occurs.
11	The best growing season to attain potential yield	It is tropical (no-chill) type cabbage variety and developed for growing mainly in august-october season
12	Name the cropping/climate zone of India in which the variety/hybrid trials were conducted	Delhi region (NCR)
13	Any other relevant information specific to the variety/hybrid	Raise seedlings on raised bed for good quality seedlings. Followed raised bed (15-20cm) cultivation for better crop stand and plant growth.
<b>S.No.</b>	<b>Commercial attributes</b>	<b>Remarks</b>
1	Yield potential (average) per ac (q/ac)	110q/ac
2	Yield per plant (average)	600g/plant
3	Size of fruit (average)	12cm width, 15cm length
4	Weight of fruit (average)	600g
5	Plant height cm (average)	40cm

6	Reaction against major disease & pest	Moderate field reaction to black rot and alternaria leaf blight, moderate field reaction to cabbage aphid, diamond back moth.
7	Reaction against major abiotic stresses like drought, heat, salinity etc	Heat & humidity tolerant
8	Storage keeping quality after the harvest	7-10days
9	Any other measures to achieve the potential yield	-

50. Application No. 

E9	SM9	12	82
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 filed on 30.03.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-12** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-12  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E9	SM9	12	82
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b. Date of receipt : 30.03.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-12  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Neelam x BE-706 x NBGP-21  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Purple Long and Punjab Barsati

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Long
Fruit: Diameter (Characteristic 21)	Small

Fruit: General shape (Characteristic 23)	Club shaped	
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Absent	
Fruit: Colour of calyx (Characteristic 35)	Green	
<b>B. Distinct characteristics of candidate variety:</b> NBJ-12 has distinguishing character as weak fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Purple Long has distinguishing character as strong fruit intensity of colour of calyx. Punjab Barsati has distinguishing character as medium fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>	24.08.2009	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60 days
3	Days to maturity (average)	60-65 days
4	Seeds rate/requirement per ac	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	50:60:60kg NPK/ac at 30, 45 & 60 days after transplant
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	90X60 cm
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Clay & silty loam
8	Plant protection measure to attain potential yield	
9	Sowing window requirement to attain potential yield	May-June, Oct-Nov, Jan-Feb
10	Number of irrigation required to attain potential yield	25-30 light irrigations as per requirement
11	The best growing season to attain potential yield	May-June, Oct-Nov
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone 7 (semi arid lava plateau and central highlands)
13	Any other relevant information specific to the variety/hybrid	
<b>Commercial attribute</b>		



1	Yield potential (average) per acre (q/ac)	180-200 q/ac
2	Yield of fruit per plant (average)	2.5-2.70 kg

51. Application No. 

E26	SM20	10	406
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60255** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60255  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

E26	SM20	10	406
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : BJ 60255

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : B-302

Source of parental material : Own germplasm

Name of reference varieties : Arka Shree, CH-1045 and Pusa Hybrid-6

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Large
Fruit: General shape (Characteristic 23)	Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b>	
<b>BJ 60255</b> has distinguishing character as erect plant growth habit.	

<b>C. Distinct characteristics of reference varieties:</b>		
Arka Shree has distinguishing character as semi spreading plant growth habit.		
CH-1045 has distinguishing character as semi spreading plant growth habit.		
Pusa Hybrid-6 has distinguishing character as semi spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Erect non spiny
2	Days to flowering/anthesis (average) (days after transplanting)	55-60 days
3	Days to maturity (average) (days after transplanting)	60-65 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N:P:K 80:40:40
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ-60255 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l +

		<p>copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
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9	Sowing window requirement to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
10	Number of irrigation required to attain potential yield	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	120-130 q/ac
2	Yield of fruit per plant (average)	15-18 kg

52. Application No. 

E52	LL88	13	951
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 filed on 22.11.2013 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana.** for a Extant (VCK) variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **NTF-9035** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NTF-9035  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat),  
Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

E52	LL88	13	951
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a. Number :  
b. Date of receipt : 22.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : NTF-9035  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parent Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : TMB-1040 x BA-1028

Source of parental material : Own germplasm  
 Name of reference varieties : Azad T-6, Kashi Hemant and Abhinav

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Indeterminate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Obovoid
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> NTF-9035 has distinguishing character as indeterminate plant growth type, large fruit size and 2 fruit number of locules.		
<b>C. Distinct characteristics of reference varieties:</b> Azad T-6 has distinguishing character as determinate plant growth type, medium fruit size and 3-4 fruit number of locules. Kashi Hemant has distinguishing character as determinate plant growth type and medium fruit size. Abhinav has distinguishing character as determinate plant growth type, very large fruit size and 3-4 fruit number of locules.		
<b>D. Date of commercialization of the variety</b>		18.02.2000
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Indeterminate
2	Days to flowering/anthesis (average)	35-38days
3	Days to maturity (average)	70-75days
4	Planting material / seeds material requirement	18500 seedlings/150g seeds/ha
5	Fertilizer requirement to attain potential and time of application	-
	Organic (per ac or per plant)	3-4 ton/ac
	Inorganic (per ac)	80:100:100 (NPK kg/ac)
	Other fertilizer (per ac or per plant)	8kg can/ac
6	Spacing (cm) requirement to attain potential	90X60
	Row to row	90-120cm
	Plant to plant	60-75cm
7	Soil requirement to attain potential yield	Sandy lome

8	Plant protection measure to attain potential yield	Insects Pests	Agrochemical and dose
		Aphids/Jassids	Confidor/actara/monocrotophos 0.5ml/0.3ml/1.5ml/l
		Thrips	Metasystox/regent/monocrotophos 3ml/2ml/2ml/l
		Mites	Metasystox/dicofol/vertimec/omits 3ml/4ml/0.15ml/2ml/l
		Leaf miner/white flies	Hostathion mix neem oil the spray 3ml/l
		Borers/fruit flies	Chloropyrifos/quinalphos 2ml/2ml/l
		Disease	Fungicide and dose
		Sten rot/canker	Blitox 2g/l for drenching
		Early blight	Indofil M-45 /kavach /RIDOMIL /antracol 2g/l
		Powdery mildew	Thiovit/ kumulus/ karathane/ contaf/ salfer 2-3g/l
		Leaf curl virus (Vector-W. Flies)	Confidor 0.3ml/l to prevent vector
		TOSPO Virus (Vector-Thrips)	Metasystox/ regent/ monocrotophos 3ml/2ml/2ml/l to prevent vector
9	Sowing window requirement to attain potential yield	Oct-March	
10	Number of irrigation required to attain potential yield	4-6 (Based on soil type & temp)	
11	The best growing season to attain potential yield	Rabi	
12	Name the cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone-I,III,IV,V & VI	
13	Any other relevant information specific to the variety/hybrid	Moderate TY virus & heat tolerant	
<b>Commercial attribute</b>			
1	Yield potential (average) per ac (q/ac)	700-800q/ac	
2	Yield of fruit per plant (average)	6-8kg	
3	Size of fruit (average)	90cm	
4	Weight of fruit (average)	90g	
5	Plant height cm (average)	160-180cm	
6	Reaction against major disease & pest	Moderate tolerance against TY virus/w.flies	

7	Reaction against major abiotic stresses like drought, heat, salinity etc	No
8	Storage keeping quality after the harvest	10-12days
9	Any other measures to achieve the potential yield	No

53. Application No. 

E8	LL13	10	398
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a Extant (VCK) variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61476** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61476  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**  
a. Number : 

E8	LL13	10	398
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : TM 61476  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : BT 545-2  
Source of parental material : Own germplasm  
Name of reference varieties : Punjab Upma, Arka Ahuti and CO-3

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent
Fruit : Shape in longitudinal section (Characteristic 33)	Obovoid
Fruit : Colour at maturity (Characteristic 43)	Red
<b>B. Distinct characteristics of candidate variety:</b>	

<b>TM 61476</b> has distinguishing character as medium fruit ribbing at peduncle end.		
<b>C. Distinct characteristics of reference varieties:</b>		
<b>Punjab Upma</b> has distinguishing character as absent fruit ribbing at peduncle end.		
<b>Arka Ahuti</b> has distinguishing character as weak fruit ribbing at peduncle end.		
<b>CO-3</b> has distinguishing character as weak fruit ribbing at peduncle end.		
<b>D. Date of commercialization of the variety</b>		15.10.2008
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Tall Determinate
2	Days to flowering/anthesis (average) (days after transplanting)	35-37days
3	Days to maturity (average) (days after transplanting)	53-55days
4	Planting material / seeds material requirement	60-70g/ac
5	Fertilizer requirement to attain potential and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61476 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	Disease and pest control White fly/jassids: Application of phorate (thimet) @ 12.5kg/ha gives a good protection to the crop for about 21 days. Spray endosulfan (thiodon) or Oxydemeton methyl (metasystox) @ 2ml/l at an interval of 10-15 days. Mites/Thrips: Dust sulphur @ 20-25kg/ha or spray with dicofol (kelthane)/Dinocab (karathane) @ 1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or triazophos (0.05%) once in 3 weeks. Fruit fly: <ul style="list-style-type: none"> <li>Collect infested fruits and dried leaves and burn in deep pits.</li> </ul>



		<ul style="list-style-type: none"> <li>Fruits should not be allowed to over ripe on plants.</li> <li>Frequent taking or ploughing under vines to expose the pupae.</li> <li>Spray dichlorvos (0.1%) or endosulfan (thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases  Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or mancozeb at 8-10 days interval. Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.</p>
9	Sowing window requirement to attain potential yield	Kharif: May-June Summer: January-February
10	Number of irrigation required to attain potential yield	The first irrigation given immediately after transplanting of seed lings & therefore the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement.
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	A long and warm growing season with a mean temp of 25-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may not when they come in contact with soil, if not staked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	123-133q/ac
2	Yield of fruit per plant (average)	16-19kg

54. Application No. 

N7	LL7	10	386
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a New variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61485** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61485  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

N7	LL7	10	386
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : TM 61485  
Type of variety : New  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : TLCV 28  
Source of parental material : Own germplasm  
Name of reference varieties : Azad T-6

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Absent
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Obovoid
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> TM 61485 has distinguishing character as semi-erect leaf attitude in relation to main stem and bilobe flower stigma.		
<b>C. Distinct characteristics of reference variety:</b> Azad T-6 has distinguishing character as drooping leaf attitude in relation to main stem and multilobe flower stigma.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average) (days after transplanting)	33-35days
3	Days to maturity (average) (Days after transplanting)	53-55days

4	Planting material / seeds material requirement	60-70g/ac
5	Fertilizer requirement to attain potential and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61485 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	<p>Disease and pest control</p> <p>White fly/jassids: Application of phorate (thimet) @12.5kg/ha gives a good protection to the crop for about 21 days. Spray endosulfan (thiodon) or Oxydemeton methyl (metasystox) @2ml/l at an interval of 10-15 days. Mites/Thrips: Dust sulphur @20-25kg/ha or spray with dicofol (kelthane)/Dinocab (karathane) @1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or triazophos (0.05%) once in 3 weeks. Fruit fly:</p> <ul style="list-style-type: none"> <li>• Collect infested fruits and dried leaves and burn in deep pits.</li> <li>• Fruits should not be allowed to over ripe on plants.</li> <li>• Frequent taking or ploughing under vines to expose the pupae.</li> <li>• Spray dichlorvos (0.1%) or endosulfan (thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases</p> <p>Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or mancozeb at 8-10 days interval. Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.</p>

9	Sowing window requirement to attain potential yield	Kharif: May-June Summer: January-February
10	Number of irrigation required to attain potential yield	The first irrigation given immediately after transplanting of seed lings & therefore the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement.
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate zone of India in which the variety/hybrid trials were conducted	A long and warm growing season with a mean temp of 25-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may not when they come in contact with soil, if not staked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	120-130q/ac
2	Yield of fruit per plant (average)	15-20kg

55. Application No. 

E6	BB8	10	426
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088.** for a Extant (VCK) Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5057** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5057  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

E6	BB8	10	426
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-5057

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable  
Denomination  
Name of parental material : SC-227  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Meghan and Kashi Kuwari

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)		Absent
Curd covering by inner leaves (Characteristic 16)		Not covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Early
<b>B. Distinct characteristics of candidate variety:</b> SCF-5057 has distinguishing character as semi-erect leaf attitude and not covered curd covering by inner leaves.		
<b>C. Distinct characteristics of reference varieties:</b> <b>Pusa Meghana</b> has distinguishing character as horizontal leaf attitude and partly covered curd covering by inner leaves. <b>Kashi Kuwari</b> has distinguishing character as horizontal leaf attitude and partly covered curd covering by inner leaves.		
<b>D. Date of commercialization of the variety</b>		-
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	55-60days
3	Days to maturity (average)	55-60days
4	Planting material/seed material requirement	150-200g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	12-15ton FYM
	Inorganic (per ac or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizer (per ac or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	45cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Light medium loamy and sandy loam soil
8	Plant protection measure to attain potential yield	Some important disease are downy mildew, rhizoctonia, alternaria. Sprays after 10-15 days of dithane M-45@ 1.5-2g/l of water or daconil (kavach) @1-1.5g/l of water for black rot and soft rot sprays streptomycin(0.01%) and

		control some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield	15 Jun-15 July
10	Number of Irrigation required to attain potential yield	Irrigations depending on the rain require 4-5 days interval as per section and soil type after more rain drainage is must.
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	UP,HR,RJ,BR,PB
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	4-5t/ac
2	Yield of fruit per plant (average)(curd weight)	300-500g

56. Application No. 

N11	LL23	12	341
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 filed on 24.07.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana.** for a New variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **KTL 3290** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA ----  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KTL 3290  
**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana

Nationality of applicant : Indian

**Application details**

N11	LL23	12	341
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- a. Number :
- b. Date of receipt : 24.07.2012
- c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : KTL 3290

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable  
Denomination  
Name of parental material : KTL-3290 itself a parental line  
Source of parental material : Own germplasm  
Name of reference varieties : Punjab Chuhara and Pusa Ruby

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Ovoid
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> KTL 3290 has distinguishing character as large fruit size, intermediate leaf structure and absent fruit green shoulder.		
<b>C. Distinct characteristics of reference varieties:</b> Punjab Chuhara has distinguishing character as medium fruit size, open leaf structure and present fruit green shoulder. Pusa Ruby has distinguishing character as medium fruit size. intermediate leaf structure and absent fruit green shoulder.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Semi-determinate
2	Days to flowering/anthesis (average)	60-65days
3	Days to physiological maturity (average)	85-90days
4	Seed rate per ac	50-60g/ac
5	Recommended nutrition acre schedule to attain potential yield and time of application	-
	Organic (kg/ha)	FYM @ 7000-8000kg/ac
	Inorganic (kg/ac)	<ul style="list-style-type: none"> <li>• First dose 6 to 8 days after transplanting: 50:100:75 NPK kg/ac</li> <li>• Second dose 20 to 25 days after first application: 25:50:75 NPK kg/ac</li> <li>• Third dose 20 to 25 days after second application: 25:0:0 NPK kg/ac</li> <li>• After 15 days of first picking add NP &amp; K as and when required at the rate of: 20:0:30 NPK kg/ac</li> </ul>

	Other fertilizer (per ac or per plant)	<ul style="list-style-type: none"> <li>At the time of flowering: sulphur (bensulf) 10kg/ac</li> <li>At the time of fruit setting: calcium nitrate 25kg/ac</li> </ul>
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Well drained sandy loam soil
8	Plant protection measure to attain potential yield	-
9	Sowing window requirement to attain potential yield	Central south & north India
10	Number of irrigation required to attain potential yield	6-10 days interval depend on soil
11	The best growing season to attain potential yield	Central south & north India
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	North India
13	Any other relevant information specific to the variety/hybrid	Segment-rainy SDT oval (RSO)
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (t/ac)	40-45t/ac
2	Yield of fruit per plant red (average)	4-5kg/plant
3	Weight of each fruit red (average)	90-95g/fruit
4	Plant height (cm) (average)	85-90cm
5	Reaction to major diseases & pests	EB tolerance
6	Reaction to major biotic & abiotic stresses like drought, heat, salinity etc.	Biotic (EB) tolerance
7	Storage keeping quality after the harvest	10-15days
8	Any other measure to achieve the potential yield	-

57. Application No. 

N15	LL27	12	345
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 filed on 24.07.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana.** for a New variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **KTL 3285** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA ----  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.



Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KTL 3285  
**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana  
Nationality of applicant : Indian  
**Application details**  

N15	LL27	12	345
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**a. Number** :  
**b. Date of receipt** : **24.07.2012**  
**c. Date of acceptance** : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : KTL 3285  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : KTL 3285 itself a parental line  
Source of parental material : Own germplasm  
Name of reference varieties : Punjab Chuhara and Pusa Early Dwarf

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>	
Plant : Growth type (Characteristic 3)	Determinate	
Leaf : Serration (Characteristic 12)	Less serrated	
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent	
Fruit : Shape in longitudinal section (Characteristic 33)	Ovoid	
Fruit : Colour at maturity (Characteristic 43)	Orange	
<b>B. Distinct characteristics of candidate variety:</b> KTL 3285 has distinguishing character as intermediate leaf structure, absent fruit green shoulder and large fruit size.		
<b>C. Distinct characteristics of reference varieties:</b> <b>Punjab Chuhara</b> has distinguishing character as open leaf structure, present fruit green shoulder and medium fruit size. <b>Pusa Early Dwarf</b> has distinguishing character as intermediate leaf structure, absent fruit green shoulder, medium fruit size.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Semi-determinate
2	Days to flowering/anthesis (average)	55-60days

3	Days to physiological maturity (average)	80-85days
4	Seed rate per ac	50-60g/ac
5	Recommended nutrition acre schedule to attain potential yield and time of application	-
	Organic (kg/ha)	FYM @ 7000-8000kg/ac
	Inorganic (kg/ac)	<ul style="list-style-type: none"> <li>• First dose 6 to 8 days after transplanting: 50:100:75 NPK kg/ac</li> <li>• Second dose 20 to 25 days after first application: 25:50:75 NPK kg/ac</li> <li>• Third dose 20 to 25 days after second application: 25:0:0 NPK kg/ac</li> <li>• After 15 days of first picking add NP &amp; K as and when required at the rate of: 20:0:30 NPK kg/ac</li> </ul>
	Other fertilizer (per ac or per plant)	<ul style="list-style-type: none"> <li>• At the time of flowering: sulphur (bensulf) 10kg/ac</li> <li>• At the time of fruit setting: calcium nitrate 25kg/ac</li> </ul>
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Well drained sandy loam soil
8	Plant protection measure to attain potential yield	-
9	Sowing window requirement to attain potential yield	North India
10	Number of irrigation required to attain potential yield	6-10 days interval depend on soil
11	The best growing season to attain potential yield	North India
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	North India
13	Any other relevant information specific to the variety/hybrid	Segment-rainy SDT oval (RSO)
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (t/ac)	45-50t/ac
2	Yield of fruit per plant red (average)	6-7kg/plant
3	Weight of each fruit red (average)	90-95g/fruit
4	Plant height (cm) (average)	95-100cm
5	Reaction to major diseases & pests	EB tolerance

6	Reaction to major biotic & abiotic stresses like drought, heat, salinity etc.	Biotic (EB) tolerance
7	Storage keeping quality after the harvest	15-20days
8	Any other measure to achieve the potential yield	-

58. Application No. 

N14	LL26	12	344
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 filed on 24.07.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, Telangana.** for a New variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **KTL 3287** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KTL 3287  
**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana

Nationality of applicant : Indian

**Application details**

N14	LL26	12	344
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a. Number :

b. Date of receipt : 24.07.2012

c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : KTL 3287

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : KTL 3287 itself a parental line

Source of parental material : Own germplasm

Name of reference varieties : Pusa Upma, Bhagya Shree

**Variety Description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent
Fruit : Shape in longitudinal section (Characteristic 33)	Heart shaped
Fruit : Colour at maturity (Characteristic 43)	Red
<b>B. Distinct characteristics of candidate variety:</b>	

<b>KTL 3287</b> has distinguishing character as absent fruit green shoulder, heart shaped fruit shape in longitudinal section and red fruit colour at maturity.		
<b>C. Distinct characteristics of reference varieties:</b>		
<b>Pusa Upma</b> has distinguishing character as absent fruit green shoulder , flattened fruit shape in longitudinal section and red fruit colour at maturity.		
<b>Bhagya Shree</b> has distinguishing character as present fruit green shoulder, obovoid fruit shape in longitudinal section and pink fruit colour at maturity		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	55-60days
3	Days to physiological maturity (average)	85-90days
4	Seed rate per ac	50-60g/ac
5	Recommended nutrition acre schedule to attain potential yield and time of application	-
	Organic (kg/ha)	FYM @ 7000-8000kg/ac
	Inorganic (kg/ac)	<ul style="list-style-type: none"> <li>• First dose 6 to 8 days after transplanting: 50:100:75 NPK kg/ac</li> <li>• Second dose 20 to 25 days after first application: 25:50:75 NPK kg/ac</li> <li>• Third dose 20 to 25 days after second application: 25:0:0 NPK kg/ac</li> <li>• After 15 days of first picking add NP &amp; K as and when required at the rate of: 20:0:30 NPK kg/ac</li> </ul>
	Other fertilizer (per ac or per plant)	<ul style="list-style-type: none"> <li>• At the time of flowering: sulphur (bensulf) 10kg/ac</li> <li>• At the time of fruit setting: calcium nitrate 25kg/ac</li> </ul>
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Well drained sandy loam soil
8	Plant protection measure to attain potential yield	-
9	Sowing window requirement to attain potential yield	South India

10	Number of irrigation required to attain potential yield	6-10 days interval depend on soil
11	The best growing season to attain potential yield	South & north India
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	South India
13	Any other relevant information specific to the variety/hybrid	Segment-rainy SDT oval (RSO)
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (t/ac)	40-50t/ac
2	Yield of fruit per plant red (average)	5-8kg/plant
3	Weight of each fruit red (average)	85-90g/fruit
4	Plant height (cm) (average)	100-105cm
5	Reaction to major diseases & pests	TLCV tolerance
6	Reaction to major biotic & abiotic stresses like drought, heat, salinity etc.	Biotic (Ty) tolerance
7	Storage keeping quality after the harvest	15days
8	Any other measure to achieve the potential yield	-

59. Application No. 

N16	LL28	12	346
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 filed on 24.07.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana.** for a New variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **KTL 3227** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA ----  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KTL 3227  
**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana

Nationality of applicant : Indian

**Application details**

N16	LL28	12	346
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a. Number :

b. Date of receipt : 24.07.2012

c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : KTL 3227

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : KTL 3227 itself a parental line

Source of parental material : Own germplasm

Name of reference varieties : Feb-02, Arka Alok and US 618

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Present
Fruit : Shape in longitudinal section (Characteristic 33)		Circular
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> KTL 3227 has distinguishing character as bilobe flower stigma.		
<b>C. Distinct characteristics of reference varieties:</b> Feb-02 has distinguishing character as multilobe flower stigma. Arka Alok has distinguishing character as multilobe flower stigma. US 618 has distinguishing character as multilobe flower stigma.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi-determinate
2	Days to flowering/anthesis (average)	55-60days
3	Days to physiological maturity (average)	80-85days
4	Seed rate per ac	50-60g/ac
5	Recommended nutrition acre schedule to attain potential yield and time of application	-
	Organic (kg/ha)	FYM @ 7000-8000kg/ac
	Inorganic (kg/ac)	<ul style="list-style-type: none"> <li>• First dose 6 to 8 days after transplanting: 50:100:75 NPK kg/ac</li> <li>• Second dose 20 to 25 days after first application: 25:50:75 NPK kg/ac</li> <li>• Third dose 20 to 25 days after second application: 25:0:0 NPK kg/ac</li> <li>• After 15 days of first picking add NP &amp; K as and when required at the rate of: 20:0:30 NPK kg/ac</li> </ul>
	Other fertilizer (per ac or per plant)	<ul style="list-style-type: none"> <li>• At the time of flowering: sulphur (bensulf) 10kg/ac</li> </ul>

		<ul style="list-style-type: none"> <li>At the time of fruit setting: calcium nitrate 25kg/ac</li> </ul>
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Well drained sandy loam soil
8	Plant protection measure to attain potential yield	-
9	Sowing window requirement to attain potential yield	South India
10	Number of irrigation required to attain potential yield	6-10 days interval depend on soil
11	The best growing season to attain potential yield	South India
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	South India
13	Any other relevant information specific to the variety/hybrid	Segment-flat round SDT-GS (FRS-GS)
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (t/ac)	45-50t/ac
2	Yield of fruit per plant red (average)	5-6kg/plant
3	Weight of each fruit red (average)	80-85g/fruit
4	Plant height (cm) (average)	95-100cm
5	Reaction to major diseases & pests	EB tolerance
6	Reaction to major biotic & abiotic stresses like drought, heat, salinity etc.	Biotic (EB) tolerance
7	Storage keeping quality after the harvest	10-15days
8	Any other measure to achieve the potential yield	-

60. Application No. 

N9	LL21	12	339
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 filed on 24.07.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana.** for a New variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **KTL 3279** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KTL 3279

**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana  
Nationality of applicant : Indian  
**Application details**

N9	LL21	12	339
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a. Number :  
b. Date of receipt : 24.07.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : KTL 3279  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : KTL 3279 itself a parental line  
Source of parental material : Own germplasm  
Name of reference varieties : Arka Vikas

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Absent (potato type)
Fruit : Green shoulder (before maturity) (Characteristic 29)		Present
Fruit : Shape in longitudinal section (Characteristic 33)		Ovoid
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> KTL 3279 has distinguishing character as absent leaflet serration, present fruit green shoulder, ovoid fruit shape in longitudinal section and 3-4 fruit number of locules.		
<b>C. Distinct characteristics of reference variety:</b> Arka Vikas has distinguishing character as less serrated leaflet serration, absent fruit green shoulder, flattened fruit shape in longitudinal section and >4 fruit number of locules.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi-determinate
2	Days to flowering/anthesis (average)	55-60days
3	Days to physiological maturity (average)	80-85days
4	Seed rate per ac	50-60g/ac
5	Recommended nutrition acre schedule to attain potential yield and time of application	-
	Organic (kg/ha)	FYM @ 7000-8000kg/ac



	Inorganic (kg/ac)	<ul style="list-style-type: none"> <li>• First dose 6 to 8 days after transplanting: 50:100:75 NPK kg/ac</li> <li>• Second dose 20 to 25 days after first application: 25:50:75 NPK kg/ac</li> <li>• Third dose 20 to 25 days after second application: 25:0:0 NPK kg/ac</li> <li>• After 15 days of first picking add NP &amp; K as and when required at the rate of: 20:0:30 NPK kg/ac</li> </ul>
	Other fertilizer (per ac or per plant)	<ul style="list-style-type: none"> <li>• At the time of flowering: sulphur (bensulf) 10kg/ac</li> <li>• At the time of fruit setting: calcium nitrate 25kg/ac</li> </ul>
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Well drained sandy loam soil
8	Plant protection measure to attain potential yield	-
9	Sowing window requirement to attain potential yield	Central south & north India
10	Number of irrigation required to attain potential yield	6-10 days interval depend on soil
11	The best growing season to attain potential yield	Central south & north India
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	Central south & north India
13	Any other relevant information specific to the variety/hybrid	Segment-rainy STD Oval (RSO)
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (t/ac)	45-50t/ac
2	Yield of fruit per plant red (average)	5-6kg/plant
3	Weight of each fruit red (average)	80-85g/fruit
4	Plant height (cm) (average)	85-90cm
5	Reaction to major diseases & pests	Ty & EB tolerance
6	Reaction to major biotic & abiotic stresses like drought, heat, salinity etc.	Biotic (Ty & EB) tolerance
7	Storage keeping quality after the harvest	15-20days
8	Any other measure to achieve the potential yield	-

61. Application No. 

N2	SB2	11	236
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 filed on 03.05.2011 by **Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.** for a New variety of crop

**Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **NR 486** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NR 486  
**Applicant** : Indian Council of Agricultural Research  
**Address of the applicant** : Krishi Bhawan, New Delhi-110001.  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N2	SB2	11	236
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b. Date of receipt : 03.05.2011  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)  
Denomination : NR 486  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : IS 23521 x SPV 475  
Source of parental material : Own germplasm  
Name of reference varieties : C 43 and RS 29

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Plant: Time of panicle emergence (Characteristics 4)	Medium
Plant: Total height at maturity (Characteristics 18)	Long
Panicle: Shape (Characteristics 27)	Symmetric
Caryopsis : Colour after threshing (Characteristics 33)	Yellow white
<b>B. Distinct characteristics of candidate variety:</b> NR 486 has distinguishing character as yellow green leaf sheath anthocyanin colouration and medium plant natural height of plant up to base of flag leaf.	
<b>C. Distinct characteristics of reference varieties:</b> C 43 has distinguishing character as yellow green leaf sheath anthocyanin colouration, short plant natural height of plant up to base of flag leaf. RS 29 has distinguishing character as grayed purple leaf sheath anthocyanin colouration and medium plant natural height of plant up to base of flag leaf.	
<b>D. Date of commercialization of the variety</b>	Not commercialized
<b>E. Agronomic and commercial attributes</b>	
<b>S.No.</b>	<b>Attributes</b>
	<b>Details</b>

1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	70days
3	Days to physiology maturity (average)	115days
4	Seed rate per ac	3kg
5	Recommended nutrition ac schedule to attain potential yield and time of application	-
	Organic (per ac)	2t/ha of FYM
	Inorganic (per ac)	For light soils and low rainfall areas: 24 kg nitrogen, 12 kg P <sub>2</sub> O <sub>5</sub> and 12 kg K <sub>2</sub> O per ac at sowing. For medium deep soils & moderate to high rainfall areas: 32 Kg nitrogen, 16kg P <sub>2</sub> O <sub>5</sub> and 16kg K <sub>2</sub> O per ac. Apply half nitrogen + full P <sub>2</sub> O <sub>5</sub> and full K <sub>2</sub> O at sowing & remaining nitrogen at 30(days after sowing) DAS.
	Other fertilizer (per ac)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	45cm
	Plant to plant	15cm
7	Soil requirement to attain potential yield	Well aerated alfisols and vertisols.
8	Plant protection measure to attain potential yield	Diseases: Grain mold: Spray of propiconazole @ 0.2%(e.g. tilt 25%EC) at the time of flowering & another 1 or 2 sprays at 10 days interval. Downy mildew: Seed treatment with metalaxyl/ridomil 25 @1g a.i./kg seed. Insect pest: Shoot fly: The seeds shall be treated with imidacloprid 600 FS @ 10 ml/kg of seed or thiomethoxam 70 WS @3g/kg of seed. Spray with cypermethrin 10 EC @300 ml/ha after 7days of emergence (DAE) (5-10% plants with dead hearts). Stem Borer: Application of carbofuran 3G @8kg/ac (5-7 granular per whorl) leaf damage <10% or 5-10% plants with dead hearts. Aphids: Spray dimethoate 30EC @2ml/l of water at 60-75 DAE. (10 aphids/sq cm of leaf or 10% plant infestation). Shoot bug: Spray metasystox 35 EC @1l in 500 l water at 60-75 DAE (20% plant

		infestation). Midge: Quinalphos or malathion 50 EC @1l/500l water or carbaryl 50 WP @3kg in 600l water at 50% flowering (if 1 midge/panicle). Mite: Spray kelthane 35EC @1l/ha in 500l water at 50% flowering (10% plant infestation). Note: Spray only when required.
9	Sowing window requirement to attain potential yield	Jun-july
10	Number of irrigation required to attain potential yield	Rainfed with one or two lifesaving irrigations
11	The best growing season to attain potential yield	Kharif & summer
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	Khraif rainfed- All India sorghum growing regions
13	Intercultural operations (include training, pruning & nipping)	Thinning: Thinning operation needs to be carried out 3 weeks after sowing retaining 1 plant/hill to obtain plant population of 30-35 plants/4m row. Inter cultivation operations: To check severe weed infection, pre-emergence application of atrazine @0.5kg a.i. per ha keeps the crop weed free for about 20-25 days. Two weeding with one shallow hoeing up to 3 weeks after sowing will keep the field free from weeds.
14	Any other relevant information specific to the variety/hybrid	The genotype, NR 486 is a very good combiner & can be used as a restorer for developing high yielding for developing high yielding hybrids.
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	Grain: 1.87 Fodder: 81.5
2	Seed yield/ha (average)	2-3

62. Application No. 

N10	SM10	10	393
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60248** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60248  
**Applicant** : Maharashtra Hybrid Seeds Company Limited

**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

N10	SM10	10	393
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b. Date of receipt : 23.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : BJ 60248

Type of variety : New

Classification of variety : Other

Previously proposed : Not applicable

Denomination

Name of parental material : B-207

Source of parental material : Own germplasm

Name of reference varieties : Ausray, CO 1, DRNKV-02-29, CO-1 and CO-2

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60248 has distinguishing character as erect plant growth habit.		
<b>C. Distinct characteristics of reference varieties:</b> Ausray has distinguishing character as horizontal plant growth habit. CO 1 has distinguishing character as semi spreading plant growth habit. DRNKV-02-29 has distinguishing character as semi spreading plant growth habit. CO-1 has distinguishing character as semi spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Erect spiny
2	Days to flowering/anthesis (average) (days after transplanting)	40-45 days
3	Days to maturity (average) (days after transplanting)	55-60 days
4	Planting material/Seed material requirement	50-60g/ac

5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N:P:K 80:40:40
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ-60248 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid)</p>

		<p>@0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield	<p>Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb</p>
10	Number of irrigation required to attain potential yield	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	<p>Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb</p>
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	120-140 q/ac

2	Yield of fruit per plant (average) (kg)	15-20 kg
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63. Application No. 

N4	BB4	10	422
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088.** for a New Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5061** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5061  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

N4	BB4	10	422
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-5061

Type of variety : New

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : SC-310

Source of parental material : Own germplasm

Name of reference varieties : PSB-1, Pusa Snowball-1, Snowball-16

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)	Absent
Curd covering by inner leaves (Characteristic 16)	Covered
Curd shape in longitudinal section (Characteristics 19)	Circular
Curd maturity group (Characteristic 26)	Mid late
<b>B. Distinct characteristics of candidate variety:</b> SCF-5061 has distinguishing character as covered curd covering by inner leaves and strong curd doming.	
<b>C. Distinct characteristics of reference varieties:</b> PSB-1 has distinguishing character as partly covered curd covering by inner leaves and medium curd doming	



**Pusa Snowball-1** partly covered curd covering by inner leaves and medium curd doming. **Snowball-16** has distinguishing character as covered curd covering by inner leaves and medium curd doming.

**D. Date of commercialization of the variety** 11.08.2010

**E. Agronomic and commercial attributes**

S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	80-85days
3	Days to maturity (average)	80-85days
4	Planting material/seed material requirement	100-125g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	12-15ton FYM
	Inorganic (per ac or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizer (per ac or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	60cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Light medium loamy and sandy loam soil
8	Plant protection measure to attain potential yield	Some important disease are downy mildew, rhizoctonia, altern aria. Sprays after 10-15 days of dithane M-45@ 1.5-2g/l of water or daconil (kavach) @1-1.5g/l of water for black rot and soft rot sprays streptomycine(0.01%) and control some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield	September
10	Number of Irrigation required to attain potential yield	Irrigations depending on the rain require 4-5 days interval as per section and soil type after more rain drainage is must.
11	The best growing season to attain potential yield	Rabi
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	UP,HR,RJ,BR,PB,KA, MH
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.

**Commercial attribute**

1	Yield potential (average) per acre (q/ac)	8-10t/ac
2	Yield of fruit per plant (average)(curd weight)	1000-1500g

64. Application No. 

E28	SM46	10	444
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-124** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-124  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

E28	SM46	10	444
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : S-EP-124

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : D-328 x D-388

Source of parental material : Own germplasm

Name of reference varieties : Pusa Purple Cluster and Arka Nilkanth

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Purple
<b>B. Distinct characteristics of candidate variety:</b>	
S-EP-124 has distinguishing character as purple fruit colour of calyx and cluster fruiting pattern.	
<b>C. Distinct characteristics of reference varieties:</b>	

**Pusa Purple Cluster** has distinguishing character as green fruit colour of calyx and solitary fruiting pattern.

**Arka Nilkanth** has distinguishing character as green fruit colour of calyx and solitary fruiting pattern.

**D. Date of commercialization of the variety** 27.07.2004

**E. Agronomic and commercial attributes**

S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi spreading
2	Days to flowering/anthesis (average) (days after seed sowing)	80-90days
3	Days to maturity (average) (days after seed sowing)	90-100days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350kg/ac neem cake at the time of land preparation
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, Apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side dressing. After 6 weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter & has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay & saturated soils should be avoided due to the build-up of root-rotting disease.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb

		<p>(2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p><b>Pests:</b></p> <p><b>Shoot &amp; Fruit Borer:</b> Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. <b>Ash Weevil:</b> Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. <b>Aphids &amp; sucking pests:</b> Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. <b>Epilachna beetle:</b> Dust carbaryl (sevin) @4g/l. <b>Mites:</b> Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. <b>Root knot nematodes:</b> Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. <b>Gall midge:</b> Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. <b>TOSPO (peanut bud necrosis virus):</b> Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l.</li> </ul> <p><b>Little leaf of brinjal:</b> Spread by leaf hopper-hishimonus phycitis.</p> <ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> </ul>
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		<ul style="list-style-type: none"> <li>Removal and destruction of infected plants. Use of barrier crop.</li> <li>Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zone-wise)	Arid zone: kharif (Jun-July) Semi arid zone subtropical: kharif (Jun-July) Humid subtropical: kharif (Jun-July) & rabi (Oct-Dec) Tropical wet & dry: kharif (Jun-Aug) & rabi (Sep-Nov)
10	Number of irrigation required to attain potential yield (Zone-wise)	Depending on soil & weather conditions, irrigate the field once in 4-5 days for better crop growth & yield
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Humid subtropical: kharif season, Semi arid zone: kharif season, Tropical wet & dry: kharif & rabi seasons
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	130-150 q/ac
2	Yield of fruit per plant (average)	2.2-2.5 kg

65. Application No. 

N3	LL3	13	20
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 filed on 17.01.2013 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana.** for a New variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **NTF-9049** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NTF-9049  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number : 

N3	LL3	13	20
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b. Date of receipt : 17.01.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : NTF-9049  
 Type of variety : New  
 Classification of variety : Typical & Other (Parent Line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : BA-1025 x ST-1123-1  
 Source of parental material : Own germplasm  
 Name of reference varieties : Azad T-6 and Kashi Sharad

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Heart shaped
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> NTF-9049 has distinguishing character as 2 fruit number of locules.		
<b>C. Distinct characteristics of reference varieties:</b> Azad T-6 has distinguishing character as 3-4 fruit number of locules. Kashi Sharad has distinguishing character as 3-4 fruit number of locules.		
<b>D. Date of commercialization of the variety</b>		20.01.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	30-35days
3	Days to maturity (average)	65-70days
4	Planting material / seeds material requirement	18500 seedlings/150g seeds/ha
5	Fertilizer requirement to attain potential and time of application	
	Organic (per ac or per plant)	6-8 ton/ha
	Inorganic (per ac)	80:100:100 (NPK)
	Other fertilizer (per ac or per plant)	20kg can/ha
6	Spacing (cm) requirement to attain potential	90X60
	Row to row	90-120cm
	Plant to plant	60-75cm

7	Soil requirement to attain potential yield	Sandy lome	
8	Plant protection measure to attain potential yield	Insects Pests	Agrochemical and dose
		Aphids/Jassids	Confidor/actara/monocrotophos 0.5ml/0.3ml/1.5ml/l
		Thrips	Metasystox/regent/monocrotophos 3ml/2ml/2ml/l
		Mites	Metasystox/dicofol/vertimec/omits 3ml/4ml/0.15ml/2ml/l
		Leaf miner/white flies	Hostathion mix neem oil the spray 3ml/l
		Borers/fruit flies	Chloropyrifos/quinalphos 2ml/2ml/l
		Disease	Fungicide and dose
		Sten rot/canker	Blitox 2g/l for drenching
		Early blight	Indofil M-45 /kavach /RIDOMIL /antracol 2g/l
		Powdery mildew	Thiovit/ kumulus/ karathane/ contaf/ salfer 2-3g/l
		Leaf curl virus (Vector-W. Flies)	Confidor 0.3ml/l to prevent vector
		TOSPO Virus (Vector-Thrips)	Metasystox/ regent/ monocrotophos 3ml/2ml/2ml/l to prevent vector
9	Sowing window requirement to attain potential yield	Oct-March	
10	Number of irrigation required to attain potential yield	4-6 (Based on soil type & temp)	
11	The best growing season to attain potential yield	Post kharib/rabi	
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	Zone-III,IV,V,VI,VII,VIII (W.Bengal, Bihar, UP, MH, MP, CH & Rajasthan <i>etc.</i> )	
13	Any other relevant information specific to the variety/hybrid	Moderate TY virus & heat tolerant	
<b>Commercial attribute</b>			
1	Yield potential (average) per ac (q/ac)	450-500q/ac	
2	Yield of fruit per plant (average)	4.5-5.5kg	
3	Size of fruit (average)	90cm	
4	Weight of fruit (average)	90g	
5	Plant height cm (average)	130-140cm	

6	Reaction against major disease & pest	Moderate tolerance against TY virus/w.flys
7	Reaction against major abiotic stresses like drought, heat, salinity etc	No
8	Storage keeping quality after the harvest	10-12days
9	Any other measures to achieve the potential yield	No

66. Application No. 

N30	LL30	10	497
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 filed on 28.12.2010 by **Nuziveedu Seeds Limited, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a New variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **FN-9005** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : FN-9005  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana  
Nationality of applicant : Indian

**Application details**  
a. Number : 

N30	LL30	10	497
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b. Date of receipt : 28.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : FN-9005  
Type of variety : New  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : LA-1009 x NTS-1752  
Source of parental material : Own germplasm  
Name of reference varieties : Feb-02, JT-3, Arka Vikas and Laxmi

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent
Fruit : Shape in longitudinal section (Characteristic 33)	Flattened



Fruit : Colour at maturity (Characteristic 43)		Red	
<b>B. Distinct characteristics of candidate variety:</b> FN-9005 has distinguishing character as less serrated leaflet serration, narrow leaflet width and semi-erect leaf attitude in relation to main stem.			
<b>C. Distinct characteristics of reference varieties:</b> Feb-02 has distinguishing character as absent leaflet serration and drooping leaf attitude in relation to main stem. JT-3 has distinguishing character as absent leaflet serration and medium leaflet width. Arka Vikas has distinguishing character as medium leaflet width.			
<b>D. Date of commercialization of the variety</b>		29.06.2010	
<b>E. Agronomic and commercial attributes</b>			
S.No.	Attributes	Details	
1	Growth habit (determinate/indeterminate)	Determinate	
2	Days to flowering/anthesis (average)	30-35days	
3	Days to maturity (average)	65-70days	
4	Planting material / seeds material requirement	18500 seedlings/150g seeds/ha	
5	Fertilizer requirement to attain potential and time of application	-	
	Organic (per q/a or per plant)	6-8 ton/ha	
	Inorganic (per q/a or per plant)	80:100:100 (NPK)	
	Other fertilizer (per q/a or per plant)	20kg can/ha	
6	Spacing (cm) requirement to attain potential	90X60	
	Row to row	90-120cm	
	Plant to plant	60-75cm	
7	Soil requirement to attain potential yield	Sandy lome	
8	Plant protection measure to attain potential yield	Insects Pests	Agrochemical and dose
		Aphids/Jassids	Confidor/actara/monocrotophos 0.5ml/0.3ml/1.5ml/l
		Thrips	Metasystox/regent/monocrotophos 3ml/2ml/2ml/l
		Mites	Metasystox/dicofol/vertimec/omits 3ml/4ml/0.15ml/2ml/l
		Leaf miner/white flies	Hostathion mix neem oil the spray 3ml/l
		Borers/fruit flies	Chloropyrifos/quinalphos 2ml/2ml/l
		Disease	Fungicide and dose

		Sten rot/canker	Blitox 2g/l for drenching
		Early blight	Indofil M-45 /kavach /RIDOMIL /antracol 2g/l
		Powdery mildew	Thiovit/ kumulus/ karathane/ contaf/ salfer 2-3g/l
		Leaf curl virus (Vector-W. Flies)	Confidor 0.3ml/l to prevent vector
		TOSPO Virus (Vector-Thrips)	Metasystox/ regent/ monocrotophos 3ml/2ml/2ml/l to prevent vector
9	Sowing window requirement to attain potential yield	Aug-Sep	
10	Number of irrigation required to attain potential yield	4-6 (Based on soil type & temp)	
11	The best growing season to attain potential yield	Post kharib/rabi	
12	Name the cropping/climate zone of India in which the variety/hybrid trials were conducted	Zone-III,IV,V,VI,VII,VIII (WB, Bihar, UP, MH, MP, CH & Rajasthan etc.)	
13	Any other relevant information specific to the variety/hybrid	Moderate TY virus & heat tolerant	
<b>Commercial attribute</b>			
1	Yield potential (average) per ac (q/ac)	450-500q/ac	
2	Yield of fruit per plant (average)	4.5-5.5kg	
3	Size of fruit (average)	90cm	
4	Weight of fruit (average)	90g	
5	Plant height cm (average)	130-140cm	
6	Reaction against major disease & pest	Moderate tolerance against TY virus/w.flies	
7	Reaction against major abiotic stresses like drought, heat, salinity etc	No	
8	Storage keeping quality after the harvest	10-12days	
9	Any other measures to achieve the potential yield	No	

67. Application No. 

N31	LL31	10	498
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 filed on 28.12.2010 by **Nuziveedu Seeds Limited, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a New variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **NTF-9047** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NTF-9047  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N31	LL31	10	498
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b. Date of receipt : 28.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : NTF-9047  
Type of variety : New  
Classification of variety : Other (Parental Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : ETM-1101 x ETM-210-12  
Source of parental material : Own germplasm  
Name of reference varieties : Punjab Upma and Arka Abha

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Highly serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Flattened
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> NTF-9047 has distinguishing character as highly serrated leaflet serration.		
<b>C. Distinct characteristics of reference varieties:</b> Punjab Upma has distinguishing character as less serrated leaflet serration. Arka Abha has distinguishing character as less serrated leaflet serration.		
<b>D. Date of commercialization of the variety</b>		20.11.2010
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	30-35days
3	Days to maturity (average)	65-70days
4	Planting material / seeds material requirement	18500 seedlings/150g seeds/ha

5	Fertilizer requirement to attain potential and time of application	-	
	Organic (per q/a or per plant)	6-8 ton/ha	
	Inorganic (per q/a or per plant)	80:100:100 (NPK)	
	Other fertilizer (per q/a or per plant)	20kg can/ha	
6	Spacing (cm) requirement to attain potential	90X60	
	Row to row	90-120cm	
	Plant to plant	60-75cm	
7	Soil requirement to attain potential yield	Sandy lome	
8	Plant protection measure to attain potential yield	Insects Pests	Agrochemical and dose
		Aphids/Jassids	Confidor/actara/monocrotophos 0.5ml/0.3ml/1.5ml/l
		Thrips	Metasystox/regent/monocrotophos 3ml/2ml/2ml/l
		Mites	Metasystox/dicofol/vertimec/omits 3ml/4ml/0.15ml/2ml/l
		Leaf miner/white flies	Hostathion mix neem oil the spray 3ml/l
		Borers/fruit flies	Chloropyrifos/quinalphos 2ml/2ml/l
		Disease	Fungicide and dose
		Sten rot/canker	Blitox 2g/l for drenching
		Early blight	Indofil M-45 /kavach /RIDOMIL /antracol 2g/l
		Powdery mildew	Thiovit/ kumulus/ karathane/ contaf/ salfer 2-3g/l
		Leaf curl virus (Vector-W. Flies)	Confidor 0.3ml/l to prevent vector
		TOSPO Virus (Vector-Thrips)	Metasystox/ regent/ monocrotophos 3ml/2ml/2ml/l to prevent vector
9	Sowing window requirement to attain potential yield	Oct-March	
10	Number of irrigation required to attain potential yield	4-6 (Based on soil type & temp)	
11	The best growing season to attain potential yield	Post kharib/rabi	

12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	Zone-III,IV,V,VI,VII,VIII (WB, Bihar, UP, MH, MP, CH & Rajasthan etc.)
13	Any other relevant information specific to the variety/hybrid	Moderate TY virus & heat tolerant
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	450-500q/ac
2	Yield of fruit per plant (average)	4.5-5.5kg
3	Size of fruit (average)	90cm
4	Weight of fruit (average)	90g
5	Plant height cm (average)	130-140cm
6	Reaction against major disease & pest	Moderate tolerance against TY virus/w.flys
7	Reaction against major abiotic stresses like drought, heat, salinity etc	No
8	Storage keeping quality after the harvest	10-12days
9	Any other measures to achieve the potential yield	No

68. Application No. 

N7	CC7	10	202
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 filed on 30.06.2010 by **JK Agri Genetics Ltd., 1-10-177, 4th Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana** for a New variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp) having denomination **JKR-104** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKR-104  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 1-10-177, 4th Floor, Varun Towers, Begumpet, Hyderabad-500016, Telangana

Nationality of applicant : Indian

**Application details**

a. Number : 

N7	CC7	10	202
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b. Date of receipt : 30.06.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* (L.) Millsp)

Denomination : JKR-104

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : (*Cajanus scarbaeoides* x *Cajanus cajan* var. JKPL-875)

Source of parental material : Own germplasm

Name of reference varieties : Maruthi, ICPL-88 and ICPL-87119

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Time of flowering (Characteristic 3)		Early
Plant: Growth habit (Characteristic 4)		Indeterminate
Stem: Colour (Characteristic 5)		Green
Pod: Waxiness (Characteristic 12)		Present
Seed: Colour (Characteristic 18)		Cream
<b>B. Distinct characteristics of candidate variety:</b> JKR-104 has distinguishing character as red flower colour of base of petal, absent flower pattern of streaks on petal and cream seed colour.		
<b>C. Distinct characteristics of reference varieties:</b> Maruthi has distinguishing character as yellow flower colour of base of petal, sparse flower pattern of streaks on petal and brown seed colour. ICPL-88 has distinguishing character as yellow flower colour of base of petal, sparse flower pattern of streaks on petal and brown seed colour. ICPL-87119 has distinguishing character as yellow flower colour of base of petal, sparse flower pattern of streaks on petal and dark brown seed colour.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Indeterminate
2	Days to flowering/anthesis (average)	91-130(medium)
3	Days to physiological maturity	130-145days
4	Seed rate per ac	5-6.5kg/ac
5	Recommended nutrition/ac schedule to attain potential yield and time of application	-
	Organic (load/ha)	Ten cart load of farm yard manure
	Inorganic (kg/ha)	20-25kg N ha-1, 17-26kg P ha-1
	Other fertilizers	Rhizobium ranged from 19 to 68%
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	60-75cm
	Plant to plant	15-20cm
7	Soil requirement to attain potential yield	Sandy loam to clay loam
8	Plant protection measure to attain potential yield	There should be good drainage in field and plants should be protected from stem injury
9	Sowing window requirement to attain potential yield	Onset of rainfall/june first week

10	Number of irrigation required to attain potential yield	45-50days after sowing, 1 <sup>st</sup> at flowering and 2 <sup>nd</sup> at pod formation stage
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central and south
13	Any other relevant information specific to the variety/hybrid	No
<b>Commercial attribute</b>		
1	Zone wise yield potential (average) per acre (q/ac)	-
2	Seed yield q/ha (average)	14-16 q/ha

69. Application No. 

N2	CC3	13	133
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 filed on 07.03.2013 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana** for a New variety of crop **Pigeon pea** (*Cajanus cajan* (L.) Millsp) having denomination **KPP 4011** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA ----  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : KPP 4011  
**Applicant** : Kaveri Seed Company Ltd  
**Address of the applicant** : #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003. Telangana

Nationality of applicant : Indian

**Application details**

a. Number : 

N2	CC3	13	133
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b. Date of receipt : 07.03.2013  
c. Date of acceptance : --

Crop (taxonomical lineage) : Pigeon pea (*Cajanus cajan* (L.) Millsp)

Denomination : KPP 4011

Type of variety : New

Classification of variety : Typical

Previously proposed : Not applicable

Denomination

Name of parental material : KPP 006 and KPP 008

Source of parental material : Own germplasm

Name of reference varieties : Manak and UPAS-120

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
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Time of flowering (Characteristic 3)	Medium	
Plant: Growth habit (Characteristic 4)	Determinate	
Stem: Colour (Characteristic 5)	Green	
Pod: Waxiness (Characteristic 12)	Present	
Seed: Colour (Characteristic 18)	Brown	
<b>B. Distinct characteristics of candidate variety:</b> KPP 4011 has distinguishing character as light yellow flower colour of base of petal, sparse flower pattern of streaks on petal and present pod waxiness.		
<b>C. Distinct characteristics of reference varieties:</b> Manak has distinguishing character as yellow flower colour of base of petal, medium flower pattern of streaks on petal and absent pod waxiness. UPAS-120 has distinguishing character as yellow flower colour of base of petal, medium flower pattern of streaks on petal and absent pod waxiness.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attribute</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	82-86days
3	Days to physiological maturity (average)	143-150days
4	Seed rate per ac	3kg
5	Recommended nutrition/ac schedule to attain potential yield and time of application	-
	Organic (kg/ha)	5-7MT
	Inorganic (kg/ha)	DAP 100kg and urea 25kg
	Other fertilizers (kg/ha)	Nil
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	150cm
	Plant to plant	20cm
7	Soil requirement to attain potential yield	Medium to heavy soils with between 5-7ph is ideal
8	Plant protection measure to attain potential yield	Fruit borer & leaf folder: chloriphyriphos 2.0ml/l, corogene 0.5g/10l
9	Sowing window requirement to attain potential yield (zone-wise)	Central zone: June-July Western zone: June-July Southern zone: June-Aug Gujarat Plain: July-Aug Western dry: July-Aug
10	Number of irrigation required to attain potential yield (zone-wise)	Central zone: 3-4 Western zone: 3-4



		Southern zone: 3-4 Gujarat Plain: 3-4 Western dry: 5-6
11	The best growing season to attain potential yield (zone-wise)	Central zone: June 3 <sup>rd</sup> week Western zone: June 3 <sup>rd</sup> week Southern zone: July 1 <sup>st</sup> week Gujarat Plain: June 2 <sup>nd</sup> week Western dry: June 1 <sup>st</sup> week
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central zone: kharif Western zone: kharif Southern zone: kharif Gujarat Plain: kharif Western dry: kharif
13	Intercultural operations	First weeding (hoeing) is to be done at 20-25days, while second hoeing is done at 50-60 DAS
14	Any other relevant information specific to the variety/hybrid	Use pheromone traps to control pod borer
<b>Commercial attribute</b>		
1	Zone wise yield potential (average) per acre (q/ac)	-
2	Seed yield/ha (average)	500 to 800kg

70. Application No. 

E5	BB10	10	428
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088.** for a Extant (VCK) Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5016** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5016  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

E5	BB10	10	428
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-5016

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable  
Denomination  
Name of parental material : SC-236 x SC-229  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Meghna, Pusa Sharad and Pusa Hybrid-2

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)		Absent
Curd covering by inner leaves (Characteristic 16)		Partly covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b> SCF-5016 has distinguishing character as erect leaf attitude.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Meghna has distinguishing character as horizontal leaf attitude. Pusa Sharad has distinguishing character as semi-erect leaf attitude. Pusa Hybrid-2 has distinguishing character as semi-erect leaf attitude.		
<b>D. Date of commercialization of the variety</b>		02.06.2006
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Erect
2	Days to flowering/anthesis (average)	65-70days
3	Days to maturity (average)	65-70days
4	Planting material/seed material requirement	125-150g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	12-15ton FYM
	Inorganic (per ac or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizer (per ac or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	45cm
	Plant to plant	45cm
7	Soil requirement to attain potential yield	Light medium loamy and sandy loam soil
8	Plant protection measure to attain potential yield	Some important disease are downy mildew, rhizoctonia, altern aria. Sprays after 10-15 days of dithane M-45@ 1.5-2g/l of water or daconil (kavach) @1-1.5g/l of water for black rot and soft rot sprays streptomycine(0.01%) and control some important insect are cabbage butterfly, DBM

		aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield	20 July-10 August
10	Number of Irrigation required to attain potential yield	Irrigations depending on the rain require 4-5 days interval as per section and soil type after more rain drainage is must.
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	UP,HR,RJ,BR,PB,KA,MH
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	5-7t/ac
2	Yield of fruit per plant (average)(kg)	700-1000g

71. Application No. 

E50	LL86	13	949
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 filed on 22.11.2013 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana.** for a Extant (VCK) variety of crop **Tomato (*Solanum lycopersicum* L.)** having denomination **BA-1599** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BA-1599  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E50	LL86	13	949
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b. Date of receipt : 22.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : BA-1599  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : BA-1030 x ST-1123-1

Source of parental material : Own germplasm  
 Name of reference varieties : Hisar Arun, Kashi Sharad

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>	
Plant : Growth type (Characteristic 3)		Determinate	
Leaf : Serration (Characteristic 12)		Highly serrated	
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent	
Fruit : Shape in longitudinal section (Characteristic 33)		Rectangular	
Fruit : Colour at maturity (Characteristic 43)		Red	
<b>B. Distinct characteristics of candidate variety:</b> <b>BA-1599</b> has distinguishing character as horizontal leaf attitude of petioles of leaflets in relation to main axis and thick fruit thickness of the pericarp.			
<b>C. Distinct characteristics of reference varieties:</b> <b>Hisar Arun</b> has distinguishing character as semi erect leaf attitude of petioles of leaflets in relation to main axis and medium fruit thickness of the pericarp. <b>Kashi Sharad</b> has distinguishing character as semi erect leaf attitude of petioles of leaflets in relation to main axis and medium fruit thickness of the pericarp			
<b>D. Date of commercialization of the variety</b>		15.12.1999	
<b>E. Agronomic and commercial attributes</b>			
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>	
1	Growth habit (determinate/indeterminate)	Determinate	
2	Days to flowering/anthesis (average)	35-37days	
3	Days to maturity	65-70days	
4	Planting material / seeds material requirement	18500 seedlings/150g seeds/ha	
5	Fertilizer requirement to attain potential and time of application		
	Organic (per q/ac or per plant)	6-8 ton/ha	
	Inorganic (per /ac or per plant)	80:100:100 (NPK kg/ac)	
	Other fertilizer (per q/ac or per plant)	20kg can/ha	
6	Spacing (cm) requirement to attain potential	90X60	
	Row to row	90-120cm	
	Plant to plant	60-75cm	
7	Soil requirement to attain potential yield	Sandy lome	
8	Plant protection measure to attain potential yield	Insects Pests	Agrochemical and dose
		Aphids/Jassids	Confidor/actara/monocrotophos 0.5ml/0.3ml/1.5ml/l

		Thrips	Metasystox/regent/monocrotophos 3ml/2ml/2ml/l
		Mites	Metasystox/dicofol/vertimec/omits 3ml/4ml/0.15ml/2ml/l
		Leaf miner/white flies	Hostathion mix neem oil the spray 3ml/l
		Borers/fruit flies	Chloropyrifos/quinalphos 2ml/2ml/l
		Disease	Fungicide and dose
		Sten rot/canker	Blitox 2g/l for drenching
		Early blight	Indofil M-45 /kavach /RIDOMIL /antracol 2g/l
		Powdery mildew	Thiovit/ kumulus/ karathane/ contaf/ salfer 2-3g/l
		Leaf curl virus (Vector-W. Flies)	Confidor 0.3ml/l to prevent vector
		TOSPO Virus (Vector-Thrips)	Metasystox/ regent/ monocrotophos 3ml/2ml/2ml/l to prevent vector
9	Sowing window requirement to attain potential yield	Oct-March	
10	Number of irrigation required to attain potential yield	4-6 (Based on soil type & temp)	
11	The best growing season to attain potential yield	Post kharib/rabi	
12	Name the cropping/climate zone of India in which the variety/hybrid trails were conducted	Zone-III,IV,V,VI,VII,VIII (W.Bengal, Bihar, UP, MH, MP, CH & Rajasthan <i>etc.</i> )	
13	Any other relevant information specific to the variety/hybrid	TY virus & heat tolerant	
<b>Commercial attribute</b>			
1	Yield potential (average) per ac (q/ac)	550-600q/ac	
2	Yield of fruit per plant (average)	7.5-8.5kg	
3	Size of fruit (average)	90cm	
4	Weight of fruit (average)	90g	
5	Plant height cm (average)	130-140cm	
6	Reaction against major disease & pest	Tolerance against TY virus/w.flys	
7	Reaction against major abiotic stresses like drought, heat, salinity etc	No	
8	Storage keeping quality after the harvest	10-12days	

9	Any other measures to achieve the potential yield	No
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72. Application No. 

E13	AE27	13	916
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 filed on 21.11.2013 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Okra** (*Abelmoschus esculentus* (L.) Moench) having denomination **OK-79** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : OK-79  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number : 

E13	AE27	13	916
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b. Date of receipt : 21.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench)  
Denomination : OK-79  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parent Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : OKHI-144  
Source of parental material : Own germplasm  
Name of reference varieties : Kashi Lalima, VROR-159

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Stem colour (Characteristic 1)	Green
Leaf blade depth of lobing (Characteristic 3)	Deep
Stem number of nodes at first flowering (Characteristic 4)	Medium
Fruit colour (Characteristic 17)	Green
Fruit number of locules (Characteristic 24)	<6
Plant number of branches (Characteristic 25)	Medium
<b>B. Distinct characteristics of candidate variety:</b> <b>OK-79</b> has distinguishing character as deep leaf blade depth of lobing and medium fruit length of physiologically mature fruit.	

<b>C. Distinct characteristics of reference varieties:</b>			
Kashi Lalima has distinguishing character as medium leaf blade depth of lobing and long fruit length of physiologically mature fruit.			
VROR-159 has distinguishing character as medium leaf blade depth of lobing and long fruit length of physiologically mature fruit			
<b>D. Date of commercialization of the variety</b>			07.04.2007
<b>E. Agronomic and commercial attributes</b>			
S.No.	Attributes	Details	
1	Days to maturity	Medium	
2	Production condition: Suitability of the variety for the area	All okra growing areas of India. Okra can be taken twice a year in plains. The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan to Mar, where as rainy season crop is sown in July in areas of heavy rainfall.	
	Time of sowing	The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan to Mar, where as rainy season is sown in July in areas of heavy rainfall.	
	Irrigated/Rainfed	Irrigated	
	Low fertility/high fertility of soil	All soils sowing can be done with nutrient management.	
3	Tolerance to adverse temperature/frost/heat sensitive/tolerance	Can be sown around the season except too high temperatures and too low temperatures. Hybrid is tolerant to heat and cold but the temperature should not cross >40 <sup>0</sup> c and below 10 <sup>0</sup> c.	
4	Tolerant to water stagnation: Sensitive/tolerant	Sensitive	
5	Resistance/tolerance to pests	No	
6	Staking & pruning practices	Not applicable	
7	Winter-spring cropping seasons type	Hybrid can be sowing in spring/summer	
8	Fruit yield q/ha	10-12 q/ha	
9	Fruit yield/plant g/plant	180-220g/plant	
10	Fruit quality and fruit firmness	Green fruits, shining, tender and easy to picking	
11	Fruit picking schedule	Fruits picked two days interval after 45-47 DAS	
12	Transport potential (days)	Two days in protected condition	
13	Optimal shelf life	Three days in protected condition	
14	Any relevant information specific to the variety/hybrid	NA	
<b>Commercial attribute</b>			
1	Other commercial attributes	Days to produce	45-47days
		Fruit colour	Lush dark green
		Fruit length	10-12cm

	Fruit tenderness	Tender fruits
	Leaf type	Okra
	No. of locules	5
	Plant height	Medium tall

73. Application No. 

E12	AE26	13	915
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 filed on 21.11.2013 by **Nuziveedu Seeds Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) Variety of crop **Okra** (*Abelmoschus esculentus* (L.) Moench) having denomination **OK-78** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : OK-78  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

E12	AE26	13	915
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a. Number :  
b. Date of receipt : 21.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench)  
Denomination : OK-78  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parent Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : OKHI-136  
Source of parental material : Own germplasm  
Name of reference varieties : Parbhani Kranti, Punjab Padmini and Arka Anamika

**Variety description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Stem colour (Characteristic 1)	Green
Leaf blade depth of lobing (Characteristic 3)	Medium
Stem number of nodes at first flowering (Characteristic 4)	Many
Fruit colour (Characteristic 17)	Light green
Fruit number of locules (Characteristic 24)	<6
Plant number of branches (Characteristic 25)	Medium
<b>B. Distinct characteristics of candidate variety:</b>	



**OK-78** has distinguishing character as many stem number of nodes at first flowering and light green fruit colour.

**C. Distinct characteristics of reference varieties:**

**Parbhani Kranti** has distinguishing character as medium stem number of nodes at first flowering and green fruit colour.

**Punjab Padmini** has distinguishing character as medium stem number of nodes at first flowering and green fruit colour.

**Arka Anamika** has distinguishing character as medium stem number of nodes at first flowering and green fruit colour.

**D. Date of commercialization of the variety** | 07.04.2007

**E. Agronomic and commercial attributes**

S.No.	Attributes	Details
1	Days to maturity	Medium
2	Production condition: Suitability of the variety for the area	All okra growing areas of India. Okra can be taken twice a year in plains. The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan to Mar, where as rainy season crop is sown in July in areas of heavy rainfall.
	Time of sowing	The first crop is grown during summer and the second one in the rainy season. The sowing time of summer season crop is from Jan to Mar, where as rainy season is sown in July in areas of heavy rainfall.
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	All soils sowing can be done with nutrient management.
3	Tolerance to adverse temperature/frost/heat sensitive/tolerance	Can be sown around the season except too high temperatures and too low temperatures. Hybrid is tolerant to heat and cold but the temperature should not cross >40 <sup>0</sup> c and below 10 <sup>0</sup> c.
4	Tolerant to water stagnation: sensitive/tolerant	Sensitive
5	Resistance/tolerance to pests	No
6	Staking & pruning practices	Not applicable
7	Winter-spring cropping seasons type	Hybrid can be sowing in spring/summer
8	Fruit yield q/ha	11-12 q/ha
9	Fruit yield/plant g/plant	200-250g/plant
10	Fruit quality and fruit firmness	Green fruits, shining, tender and easy to picking
11	Fruit picking schedule	Fruits picked two days interval after 50-52 DAS
12	Transport potential (days)	Two days in protected condition
13	Optimal shelf life	Three days in protected condition
14	Any relevant information specific to the variety/hybrid	NA

Commercial attribute			
1	Other commercial attributes	Days to produce	50-52days
		Fruit colour	Lush green
		Fruit length	10-12cm
		Fruit tenderness	Tender fruits
		Leaf type	Okra
		No. of locules	5
		Plant height	Medium tall

74. Application No. 

E57	SM56	12	210
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 filed on 15.06.2012 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal (*Solanum melongena* L.)** having denomination **BJ 60308** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60308  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : Indian

**Application details**

E57	SM56	12	210
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a. Number :  
b. Date of receipt : 15.06.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60308  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred Parent Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-957  
Source of parental material : Own germplasm  
Name of reference Varieties : DBL-329 and CO-2

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green

Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60308 has distinguishing character as short fruit length and ovoid fruit general shape.		
<b>C. Distinct characteristics of reference varieties:</b> DBL-329 has distinguishing character as medium fruit length and club shaped fruit general shape. CO-2 has distinguishing character as medium fruit length and cylindrical fruit general shape.		
<b>D. Date of commercialization of the variety</b>		04.05.2011
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi-erect, bushy and non-spiny
2	Days to flowering/anthesis (average) (days after transplanting)	40-45days
3	Days to maturity (average) (days after transplanting)	55-60days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split dose as top dressing
	Organic (per acre or per plant)	400 kg neem
	Inorganic (per acre or per plant)	N:P:K 80:40:40
	Other fertilizers (per acre or per plant)	
6	Spacing (cms) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ-60308 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot:

	<p>Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: June-July Rabi: October-November Summer: January-February
10	Number of irrigation required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif: June-July Rabi: October-November Summer: January-February
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	140-150 q/ac
2	Yield of fruit per plant (average)	22-24 kg

75. Application No. 

N15	SM69	11	1347
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 filed on 16.12.2011 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-495** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-495  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
 Nationality of applicant : Indian

**Application details**

a. Number

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N15	SM69	11	1347
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b. Date of receipt : 16.12.2011  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : S-EP-495  
 Type of variety : New  
 Classification of variety : Other (Inbred parent line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : D-383 x D-401  
 Source of parental material : Own germplasm  
 Name of reference varieties : Arka Shree and CH-1045

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
S-EP-495 has distinguishing character as absent seedling anthocyanin colouration of hypocotyls, light purple flower colour and obovate fruit general shape.		
<b>C. Distinct characteristics of reference varieties:</b>		
Arka Shree has distinguishing character as absent seedling anthocyanin colouration of hypocotyls, greenish white flower colour and obovate fruit general shape.		
CH-1045 has distinguishing character as present seedling anthocyanin colouration of hypocotyls, purple flower colour and ovoid fruit general shape.		
<b>D. Date of commercialization of the variety</b>		18.12.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: early/medium/late	Late
2	Production condition: suitability area in the country	GJ, MP, UP, HR, KT, MS, TN
	Time of sowing	Kharif (June-July)
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility
3	Tolerance to adverse temperature/frost and heat-sensitive/tolerance	Sensitive to frost and tolerant to heat
4	Tolerance to water stagnation: sensitive/tolerant	Sensitive

5	Resistance/tolerance to pest/s	Tolerant to sucking pest, susceptible to bacterial/fusarium/verticillium wilt
6	Winter-spring cropping seasons type	Kharif (June-July sowing), rabi (October-November sowing)
7	Fruit yield q/ha	200-250 q/ha
8	Fruit yield/plant (kg/ha) (average)	(1.0-1.5 kg/plant), 20000-25000 kg/ha
9	Fruit picking schedule	Weekly after 70DAT
10	Transport potential (days)	3-5 days
11	Optimal shelf-life (no. of days)	5-7 days
12	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.

76. Application No. 

N14	SM68	11	1346
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 filed on 16.12.2011 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-062** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-062  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

N14	SM68	11	1346
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b. Date of receipt : 16.12.2011

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : S-EP-062

Type of variety : New

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : D-354 x D-349

Source of parental material : Own germplasm

Name of reference varieties : Arka Nidhi, Pusa Purple Long and Punjab Sadabahar

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Long
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b>		
S-EP-062 has distinguishing character as absent stem anthocyanin colouration and light purple flower colour.		
<b>C. Distinct characteristics of reference varieties:</b>		
Arka Nidhi has distinguishing character as present stem anthocyanin colouration and light purple flower colour.		
Pusa Purple Long has distinguishing character as present stem anthocyanin colouration and dark purple flower colour.		
Punjab Sadabahar has distinguishing character as present stem anthocyanin colouration and purple flower colour.		
<b>D. Date of commercialization of the variety</b>		18.12.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: early/medium/late	Medium
2	Production condition: suitability area in the country	MP, CG, GJ, PB, HR, RJ, MS, KTK, TN, BH, UP, AS, AP, TN, TS
	Time of sowing	Kharif (June-July)
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility
3	Tolerance to adverse temperature/frost and heat-sensitive/tolerance	Sensitive to frost and tolerant to heat
4	Tolerance to water stagnation: sensitive/tolerant	Sensitive
5	Resistance/tolerance to pest/s	Tolerant to sucking pest, susceptible to bacterial/fusarium/verticillium wilt
6	Winter-spring cropping seasons type	Kharif (June-July sowing), rabi (October-November sowing)
7	Fruit yield q/ha	250-300 q/ha
8	Fruit yield/plant (kg/ha) (average)	(1.5-2.0 kg/plant), 25000-30000 kg/ha
9	Fruit picking schedule	Weekly after 60DAT
10	Transport potential (days)	3-5 days
11	Optimal shelf-life (no. of days)	5-7 days
12	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A



		sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.
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77. Application No. 

N9	BB9	10	427
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-608** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-608  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

N9	BB9	10	427
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-608

Type of variety : New

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : SC-226 x SC-298

Source of parental material : Own germplasm

Name of reference varieties : PSB-1, PSBK-1

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)	Absent
Curd covering by inner leaves (Characteristic 16)	Covered
Curd shape in longitudinal section (Characteristics 19)	Broad elliptic
Curd maturity group (Characteristic 26)	Late
<b>B. Distinct characteristics of candidate variety:</b> SCF-608 has distinguishing character as semi-erect leaf attitude, elliptic leaf shape and covered curd covering by inner leaves.	
<b>C. Distinct characteristics of reference varieties:</b>	

<b>PSB-1</b> has distinguishing character as semi-erect leaf attitude, elliptic leaf shape and partly covered curd covering by inner leaves.		
<b>PSBK-1</b> has distinguishing character as horizontal leaf attitude and broad elliptic leaf shape, covered curd covering by inner leaves		
<b>D. Date of commercialization of the variety</b>		11.08.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Erect
2	Days to flowering/anthesis (average)	-
3	Days to maturity (average)	80-85days
4	Planting material/seed material requirement	100-125g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per acre or per plant)	12-15 ton FYM
	Inorganic (per acre or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizers (per acre or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	Light medium loamy and sandy loam soil
8	Plant potential measures to requirement to attain the potential yield	Some important diseases are Downy mildew, Rhizoctonia, Alternaria. Sprays after 10-15 days of Dithane M-45 @1.5-2g/l of water or Daconil (kavach) @ 1-1.5g/l of water. For black rot and soft rot sprays Streptocycline (0.01%) and control. Some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @ 1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield (zone-wise)	September
10	Number of irrigations required to attain potential yield (zone-wise)	Irrigation depending on the rain require 4-5 days interval as per season and soil type. After more rain drainage is must.
11	The best growing season to attain the potential yield	Rabi
12	Name of the cropping/climatic zone of India in which the	UP,HR,RJ,BR,PB,KA,MH

	varietal/hybrid trails were conducted	
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	8-10q/ac
2	Yield of fruit per plant (average)	1000-1200g

78. Application No. 

N5	CC8	9	377
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 filed on 22.09.2009 by **Nirmal Seeds Private Limited, PO Box-63, Bhadgaon Road, Pachora-424201, Dist- Jalgaon, Maharashtra** for a New variety of crop **Pigeonpea** (*Cajanus cajan* (L.) Millsp.) having denomination **Nirmal-554(NTL-554)** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : Nirmal-554(NTL-554)  
**Applicant** : Nirmal Seeds Private Limited  
**Address of the applicant** : PO Box-63, Bhadgaon Road, Pachora-424201, Dist- Jalgaon, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

N5	CC8	9	377
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b. Date of receipt : 22.09.2009  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Pigeonpea (*Cajanus cajan* (L.) Millsp.)  
Denomination : Nirmal-554(NTL-554)  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : NTL-106 x NTL-709  
Source of parental material : Own germplasm  
Name of reference varieties : BSMR 736

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Time of flowering (Characteristic 3)	Medium
Plant: Growth habit (Characteristic 4)	Determinate
Stem: Colour (Characteristic 5)	Green

Pod: Waxiness (Characteristic 12)	Present	
Seed: Colour (Characteristic 18)	Dark brown	
<b>B. Distinct characteristics of candidate variety:</b> Nirmal-554(NTL-554) has distinguishing character as green with brown streaks pod colour.		
<b>C. Distinct characteristics of reference varieties:</b> BSMR 736 has distinguishing character as green pod colour.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>Agronomical attributes:</b> Cultivation practices for pigeonpea Soil Medium to heavy well drained Seed rate/ac 2 to 3kg Sowing period 2 <sup>nd</sup> fortnight of June to 2 <sup>nd</sup> fortnight of July Spacing 90x90 cm or 120x60 cm Fertilizers (kg/ha) N P K S 25 : 50 : 50 : 20 Plant protection <ul style="list-style-type: none"> <li>• Leaf webber caterpillar: Spray- monocrotophos @2ml/l of water.</li> <li>• Pod borer complex: Spray- chloropyriphos (20EC) @2ml/l or quinolphos (25EC) @2ml/l or propenophos (50EC) @1.5ml/l of water.</li> <li>• Fusarium wilt: Drenching of bavistin @1.5ml/l or COC @2g/l of water.</li> <li>• Phytophthora blight: Spraying/drenching of metalaxyl @2g/l of water.</li> <li>• Sterility mosaic disease: Spraying of acaricides like dicofol @2ml/l of water.</li> <li>• Powdery mildew: Spray- wettabe sulphur @2g/l of water.</li> </ul> Special recommendation <ul style="list-style-type: none"> <li>• Apply 25kg nirmal bio powder granules per acre with chemical fertilizer at the time of topdressing.</li> <li>• 3 foliar spray of nirmal bio force @2ml/l of water at the time of pre-flowering, flowering and grain filling stage.</li> </ul>		
<b>Commercial attributes:</b>		
1	Days to 50% flowering	110-120
2	Days to maturity	150-160
3	Plant height(cm)	170-180cm
4	No. of pods/plant	350-400
5	No. of seeds/pod	4-5
6	100 seed weight (g)	10-11g
7	Yield/ha (kg)	2100-2200kg

79. Application No. 

E10	SM43	10	441
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-043** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-043  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

E10	SM43	10	441
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : S-EP-043

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : BI-07 x BI-04

Source of parental material : Own germplasm

Name of reference varieties : Pusa Purple Long and Pusa Kranti

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Long
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Ellipsoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> S-EP-043 has distinguishing character as light purple flower colour and early flowering time (days after seed sowing).	
<b>C. Distinct characteristics of reference varieties:</b> <b>Pusa Purple Long</b> has distinguishing character as dark purple flower colour and medium flowering time (days after seed sowing). <b>Pusa Kranti</b> has distinguishing character as dark purple flower colour and late flowering time (days after seed sowing).	
<b>D. Date of commercialization of the variety</b>	26.04.2004
<b>E. Agronomic and commercial attributes</b>	
<b>S.No.</b>	<b>Attributes</b>
	<b>Details</b>

1.	Growth habit (determinate/indeterminate)	Semi spreading
2	Days to flowering/anthesis (average) (days after seed sowing)	50-60 days
3	Days to maturity (average) (days after seed sowing)	65-75days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350 kg/ac neem cake at the time of land preparation.
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side dressing. After 6 weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
	Other fertilizers (per ac or per plant)	
6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wetttable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l +

		<p>copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l.</li> </ul> <p>Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</p> <ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
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9	Sowing window requirement to attain potential yield (zone-wise)	Arid zone: kharif (June-July) Semi-arid zone subtropical: kharif (June-July) Humid subtropical: kharif (June-July) & rabi (October-December) Tropical wet & dry: kharif (June-August) & rabi (September-November)
10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	Kharif & rabi season
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	Humid subtropical: Kharif season Semi-arid zone: Kharif season Tropical wet & dry: Kharif & rabi seasons
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	150-160q/ac
2	Yield of fruits per plant (average) (kg)	2.5-2.7kg

80. Application No. 

N16	SM16	10	402
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a New variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60205** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60205  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

N16	SM16	10	402
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60205  
Type of variety : New



Classification of variety : Other (Inbred parent line)  
 Previously proposed : Not applicable  
 Denomination  
 Name of parental material : B-13  
 Source of parental material : Own germplasm  
 Name of reference varieties : Azad Brinjal-1 and CO-2

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60205 has distinguishing character as dark leaf intensity of colour of blade and present fruit stripes.		
<b>C. Distinct characteristics of reference varieties:</b> Azad Brinjal-1 has distinguishing character as medium leaf intensity of colour of blade and absent fruit stripes. CO-2 has distinguishing character as medium leaf intensity of colour of blade and absent fruit stripes.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1.	Growth habit (determinate/indeterminate)	Erect bushy and non-spiny
2	Days to flowering/anthesis (average) (days after seed sowing)	50-55 days
3	Days to maturity (average) (days after seed sowing)	60-65days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorous final land preparation. Balance quantity of nitrogen is applied in two split doses as a top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N: P: K 80: 40: 40
	Other fertilizers (per ac or per plant)	

6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ-60205 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptocycline @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the</p>

		<p>soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
12	Cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	160-170q/ac
2	Yield of fruits per plant (average) (kg)	24-26kg

81. Application No. 

E4	BB3	10	421
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Cauliflower** (*Brassica oleracea* var.

botrytis) having denomination **SCF-5022** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5022  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
Nationality of applicant : Indian

**Application details**

a. Number	:	E4	BB3	10	421
b. Date of receipt	:	27.12.2010			
c. Date of acceptance	:	--			
Crop (taxonomical lineage)	:	Cauliflower ( <i>Brassica oleracea</i> var. botrytis)			
Denomination	:	SCF-5022			
Type of variety	:	Extant (VCK)			
Classification of variety	:	Other (Inbred parent line)			
Previously proposed	:	Not applicable			
Denomination	:				
Name of parental material	:	SC-272 x SC-118			
Source of parental material	:	Own germplasm			
Name of reference varieties	:	Pusa Meghna			

**Variety Description:**

A. Grouping characteristics		Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)		Present
Curd covering by inner leaves (Characteristic 16)		Not covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b> SCF-5022 has distinguishing character as not covered curd covering by inner leaves.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Meghna has distinguishing character as partly covered curd covering by inner leaves		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	-

3	Days to maturity (average)	65-70days
4	Planting material/seed material requirement	150-200g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per acre or per plant)	10-12 ton FYM
	Inorganic (per acre or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizers (per acre or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	
	Row to row	45cm
	Plant to plant	30cm
7	Soil requirement to attain the potential yield	Light medium loamy and sandy loam soil
8	Plant potential measures to requirement to attain the potential yield	Some important diseases are Downy mildew, Rhizoctonia, Alternaria. Sprays after 10-15 days of Dithane M-45 @1.5-2g/l of water or Daconil (kavach) @ 1-1.5g/l of water. For black rot and soft rot sprays Streptocycline (0.01%) and control. Some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield (zone-wise)	25 July-20 August
10	Number of irrigations required to attain potential yield (zone-wise)	Irrigation depending on the rain require 4-5 days interval as per season and soil type. After more rain drainage is must.
11	The best growing season to attain the potential yield	Kharif
12	Name of the cropping/climatic zone of India in which the varietal/hybrid trails were conducted	UP,HR,RJ,BR,PB
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	60-80q/ac
2	Yield of fruit per plant (average)kg	0.600-0.700kg

82. Application No. 

E30	SM11	10	394
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road,**

**Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60259** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60259  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

E30	SM11	10	394
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60259  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-8-1-1-1 x B-29  
Source of parental material : Own germplasm  
Name of reference varieties : Swarna Ajay

**Variety Description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green
Fruit: Stripes (Characteristic 30)	Present
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> <b>BJ 60259</b> has distinguishing character as absent leaf spininess, short fruit length, small fruit diameter, green fruit colour of skin at commercial harvesting and green fruit colour of calyx.	
<b>C. Distinct characteristics of reference variety:</b> <b>Swarna Ajay</b> has distinguishing character as present leaf spininess, medium fruit length, medium fruit diameter, purple fruit colour of skin at commercial harvesting and purple fruit colour of calyx.	
<b>D. Date of commercialization of the variety</b>	20.05.2003

<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1.	Growth habit (determinate/indeterminate)	Erect and non-spiny
2	Days to flowering/anthesis (average) (days after seed sowing)	50-60 days
3	Days to maturity (average) (days after seed sowing)	70-75days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorous final land preparation. Balance quantity of nitrogen is applied in two split doses as a top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N: P: K 80: 40: 40
	Other fertilizers (per ac or per plant)	
6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ-60259 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim

		<p>50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l.</li> </ul> <p>Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</p> <ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	<p>Kharif: June-July  Rabi: October-November  Summer: January-February</p>



10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	Kharif: June-July Rabi: October-November Summer: January-February
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	120-125q/ac
2	Yield of fruits per plant (average) (kg)	16-20kg

**83.** Application No. 

E31	SM4	10	372
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60282** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60282  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

E31	SM4	10	372
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60282  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-787  
Source of parental material : Own germplasm

Name of reference varieties : Ausray

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Large
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60282 has distinguishing character as dark purple flower colour.		
<b>C. Distinct characteristics of reference varieties:</b> Ausray has distinguishing character as. purple flower colour		
<b>D. Date of commercialization of the variety</b>		12.04.2006
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1.	Growth habit (determinate/indeterminate)	Erect and non-spiny
2	Days to flowering/anthesis (average) (days after seed sowing)	55-60 days
3	Days to maturity (average) (days after seed sowing)	70-75days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorous final land preparation. Balance quantity of nitrogen is applied in two split doses as a top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N: P: K 80: 40: 40
	Other fertilizers (per ac or per plant)	
6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ 60282 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper

		<p>oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> </ul>
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		<ul style="list-style-type: none"> <li>Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>Removal and destruction of infected plants. Use of barrier crop.</li> <li>Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: June-July Rabi: October-November Summer: January-February
10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	Kharif: June-July Rabi: October-November Summer: January-February
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	122-127q/ac
2	Yield of fruits per plant (average) (kg)	20-22kg

84. Application No. 

N2	SM2	10	370
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60218** has been accepted and given registration number -----NA - -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60218

**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : **Indian**  
**Application details**

N2	SM2	10	370
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60218  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-8-1 x B-29  
Source of parental material : Own germplasm  
Name of reference varieties : CO-2, Pusa Uttam and Pusa hybrid 6

**Variety Description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> <b>BJ 60218</b> has distinguishing character as light purple flower colour, globular fruit general shape, present fruit stripes and medium fruit spininess of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> <b>CO-2</b> has distinguishing character as purple flower colour, cylindrical fruit general shape, absent fruit stripes and weak fruit spininess of calyx. <b>Pusa Uttam</b> has distinguishing character as obovate fruit general shape, absent fruit stripes and absent fruit spininess of calyx. <b>Pusa hybrid 6</b> has distinguishing character as dark purple flower colour, cylindrical fruit general shape, absent fruit stripes and weak fruit spininess of calyx.		
<b>D. Date of commercialization of the variety</b>		30.05.2007
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1.	Growth habit (determinate/indeterminate)	Semi spreading and spiny
2.	Days to flowering/anthesis (average) (days after seed sowing)	50-55 days

3	Days to maturity (average) (days after seed sowing)	65-70 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorous final land preparation. Balance quantity of nitrogen is applied in two split doses as a top dressing.
	Organic (per ac or per plant)	400kg neem
	Other fertilizers (per ac or per plant)	
6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ 60218 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or</p>

		<p>monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.

13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	118-125q/ac
2	Yield of fruits per plant (average) (kg)	16-20kg

85. Application No. 

E33	SM23	10	409
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60287** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60287  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : Indian

**Application details**

E33	SM23	10	409
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60287  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-270 x B-22  
Source of parental material : Own germplasm  
Name of reference varieties : JBL-03-04 and Punjab Sadabahar

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Long
Fruit: Diameter (Characteristic 21)	Large
Fruit: General shape (Characteristic 23)	Ellipsoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple



Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> <b>BJ 60287</b> has distinguishing character as medium fruit length and solitary fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b> <b>JBL-03-04</b> has distinguishing character as long fruit length and solitary fruiting pattern. <b>Punjab Sadabahar</b> has distinguishing character as medium fruit length and cluster fruiting pattern.		
<b>D. Date of commercialization of the variety</b>		12.04.2006
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1.	Growth habit (determinate/indeterminate)	Erect and non-spiny
2	Days to flowering/anthesis (average) (days after transplanting)	53-58 days
3	Days to maturity (average) (days after transplanting)	68-73 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorous final land preparation. Balance quantity of nitrogen is applied in two split doses as a top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N: P: K 80: 40: 40
	Other fertilizers (per ac or per plant)	
6	Spacing (cms) requirements to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ 60287 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wetable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb

		<p>(2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p><b>Pests:</b></p> <p><b>Shoot &amp; Fruit Borer:</b> Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. <b>Ash Weevil:</b> Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. <b>Aphids &amp; sucking pests:</b> Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. <b>Epilachna beetle:</b> Dust carbaryl (sevin) @4g/l. <b>Mites:</b> Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. <b>Root knot nematodes:</b> Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. <b>Gall midge:</b> Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. <b>TOSPO (peanut bud necrosis virus):</b> Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l. <b>Little leaf of brinjal:</b> Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: June-July Rabi: October-November Summer: January-February
10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	Kharif: June-July Rabi: October-November Summer: January-February
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	A long and warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	120-125q/ac
2	Yield of fruits per plant (average) (kg)	18-20kg

86. Application No. 

E55	SM66	11	1344
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 filed on 16.12.2011 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-040** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-040  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

E55	SM66	11	1344
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b. Date of receipt : 16.12.2011  
c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
 Denomination : S-EP-040  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Inbred parent line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : D-473  
 Source of parental material : Own germplasm  
 Name of reference varieties : Swarna Avilamb, Arka Nidhi and Pusa Purple Cluster

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Purple
<b>B. Distinct characteristics of candidate variety:</b> S-EP-040 has distinguishing character as greenish white flower colour, cylindrical fruit general shape and mixed fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b> Swarna Avilamb has distinguishing character as purple flower colour, club shaped fruit general shape and solitary fruiting pattern. Arka Nidhi has distinguishing character as light purple flower colour, globular fruit general shape and solitary fruiting pattern. Pusa Purple Cluster has distinguishing character as flower colour varies from light purple to purple, cylindrical fruit general shape and cluster fruiting pattern.		
<b>D. Date of commercialization of the variety</b>		02.07.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1.	Growth habit (determinate/indeterminate)	Semi spreading
2	Days to flowering/anthesis (average) (days after seed sowing)	60-80 days
3	Days to maturity (average) (days after seed sowing)	70-90days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350 kg/ac Neem cake at the time of preparation

	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30% N, 50% P & 30% K as a basal dose. After 3 weeks of planting apply 15% N & 15% K as side dressing. After 6 weeks apply 15% N, 50% P & 15% K during earthing up. During harvesting time apply remaining 40% N & 40% K in two equal split.
	Other fertilizers (per ac or per plant)	-
6	Spacing (cms) requirements to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root rotting disease.
8	Plant protection measures to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad)</p>

		<p>@0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	<p>Arid zone: June-July  Semi-arid zone subtropical: June-July  Humid subtropical: Kharif (June-July)  Tropical wet &amp; dry: Kharif (June-Aug) &amp; Rabi (September-October)</p>

10	Number of irrigations required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield
11	The best growing season to attain the potential yield	Kharif & rabi seasons
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	Arid zone: Kharif season Humid subtropical: Kharif season Semi-arid zone: Kharif season Tropical wet & dry of east: Kharif & rabi season.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	140-150q/ac
2	Yield of fruits per plant (average) (kg)	2.3-2.5kg

87. Application No. 

E40	SM40	12	119
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 filed on 12.04.2012 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **NBJ-63** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NBJ-63  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian

**Application details**

a. Number : 

E40	SM40	12	119
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b. Date of receipt : 12.04.2012  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : NBJ-63  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : Bihar Gulabi Local x NBGP-05  
Source of parental material : Own germplasm  
Name of reference varieties : Arka Nidhi, Utkal Jyothi and Pusa Purple Cluster.

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Small
Fruit: General shape (Characteristic 23)		Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> NBJ-63 has distinguishing character as small fruit diameter and green fruit colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> <b>Arka Nidhi</b> has distinguishing character as medium fruit diameter and purple fruit colour of calyx. <b>Utkal Jyothi</b> has distinguishing character as medium fruit diameter and purple fruit colour of calyx. <b>Pusa Purple Cluster</b> has distinguishing character as small fruit diameter and purple fruit colour of calyx.		
<b>D. Date of commercialization of the variety</b>		15.04.2006
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1.	Growth habit (determinate/indeterminate)	Semi erect
2	Days to flowering/anthesis (average) (days after seed sowing)	45-50 days
3	Days to maturity (average) (days after seed sowing)	50-60 days
4	Seed rate/requirement per acre	70-80 g
5	Fertilizer requirement to attain potential yield and time of application	Applied 50kg N, 60kg P, 60kg K after transplant at 30,45 & 60 days
	Organic (per ac or per plant)	80-100 q/ac
	Inorganic (per ac or per plant)	Urea-100kg, DAP-120kg, MOP-120kg
	Other fertilizers (per ac or per plant)	NA
6	Spacing (cms) requirements to attain potential yield	90x60 cm
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	Clay & silty loam
8	Plant protection measures to attain potential yield	IPM
9	Sowing window requirement to attain potential yield	May-June, October-November, January-February



10	Number of irrigations required to attain potential yield	25-30 light irrigations
11	The best growing season to attain the potential yield	May-June, October-November
12	Name the cropping/climate zone of India in which the varietal/hybrid trials were conducted	Zone 7(semi arid lava plateau & central highlands)
13	Any other relevant information specific to the variety/hybrid	NA
<b>Commercial attribute</b>		
1	Yield potential (average) per ac (q/ac)	160-170q/ac
2	Yield of fruits per plant (average)	2.0-2.3 kg
3	Size of the fruit (average)	Length 14-15cm, width 2.0cm
4	Weight of each fruit (average)	60-70gm
5	Plant height (cm) (average)	75-90cm
6	Reaction against major diseases & pests	Partially tolerance
7	Reaction against major abiotic stresses like drought, heat, salinity etc.	Partially heat tolerance
8	Storage keeping quality after the harvest	4-5 days
9	Any other measure to achieve the potential yield	Maintain slightly moisturized field

**88.** Application No. 

N15	BB15	10	462
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 filed on 27.12.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana** for a New variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **NCFD-56** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NCFD-56  
**Applicant** : Nuziveedu Seeds Ltd  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana

Nationality of applicant : Indian

**Application details**

a. Number

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N15	BB15	10	462
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b. Date of receipt : 27.12.2010  
 c. Date of acceptance : --  
 Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)  
 Denomination : NCFD-56  
 Type of variety : New  
 Classification of variety : Other (Parental line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : HBD-56-3-1-3-4-3  
 Source of parental material : Own germplasm  
 Name of reference varieties : Kashi Kuwari, Pusa Meghana and PUSA KARTIK  
 SANKAR

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)		Absent
Curd covering by inner leaves (Characteristic 16)		Partly covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Early
<b>B. Distinct characteristics of candidate variety:</b> NCFD-56 has distinguishing character as elliptic leaf shape.		
<b>C. Distinct characteristics of reference varieties:</b> Kashi Kuwari has distinguishing character as broad elliptic leaf shape. Pusa Meghana has distinguishing character as narrow elliptic leaf shape. PUSA KARTIK SANKAR has distinguishing character as broad elliptic leaf shape.		
<b>D. Date of commercialization of the variety</b>		06.07.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: early/medium/late	Early
2	Production condition: Suitability area in the country	UP,HAR,PUN,BIH,RJ
	Time of sowing	May-June
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility (sandy loam)
3	Tolerance to adverse temperature/frost/heat sensitive/tolerance.	Sensitive to low temperature and temperature fluctuations.
4	Tolerance to water stagnation: sensitive/tolerant	Sensitive to water stagnation
5	Resistance/tolerance to pests	Susceptible to DBM
6	Staking & pruning practices	Not required
7	Winter-spring cropping season type	NA

8	Fruit yield q/ha	250 q/ha
9	Fruit yield/plant (kg/ha) (average)	0.5 kg/plant
10	Fruit quality & fruit firmness	Good & medium firmness
11	Fruit picking schedule	NA
12	Transport potential (days)	1-2days
13	Unique selling proposition and optimal self-life (days)	2-3days
14	Any other relevant information specific to the variety/hybrid	NA

**89.** Application No. 

E29	SM17	10	403
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60214** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60214  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

E29	SM17	10	403
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a. Number :  
b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60214  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred Parent Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-2 x B-29  
Source of parental material : Own germplasm  
Name of reference Varieties : DRNKV-02-29, Aushray and CO-2

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Obovate

Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Present	
Fruit: Colour of calyx (Characteristic 35)	Green	
<b>B. Distinct characteristics of candidate variety:</b> BJ 60214 has distinguishing character as light purple flower colour, small fruit diameter and present fruit stripes.		
<b>C. Distinct characteristics of reference varieties:</b> DRNKV-02-29 has distinguishing character as purple flower colour, medium fruit diameter and absent fruit stripes. Aushray has distinguishing character as purple flower colour, medium fruit diameter and absent fruit stripes. CO-2 has distinguishing character as dark purple flower colour, medium fruit diameter.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Semi-erect, bushy and non-spiny
2	Days to flowering/anthesis (average) (days after transplanting)	48-52days
3	Days to maturity (average) (days after transplanting)	60-65days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split dose as top dressing
	Organic (per acre or per plant)	400 kg neem
	Inorganic (per acre or per plant)	N:P:K 80:40:40
	Other fertilizers (per acre or per plant)	NA
6	Spacing (cms) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ 60214 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP

		<p>(thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by</li> </ul>
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		confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis. <ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: June-July Rabi: October-November Summer: January-February
10	Number of irrigation required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif: June-July Rabi: October-November Summer: January-February
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	120-130 q/ac
2	Yield of fruit per plant (average)	18-20 kg

90. Application No. 

E23	SM26	10	412
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60283** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60283  
**Applicant** : Maharashtra Hybrid Seeds Company Limited

**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

E23	SM26	10	412
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a. Number :

b. Date of receipt : 23.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : BJ 60283

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred Parent Line)

Previously proposed : Not applicable

Denomination

Name of parental material : B 380-1 x B 399

Source of parental material : Own germplasm

Name of reference Varieties : Azad Brinjal-1 and Pant Rituraj

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Globular
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Purple
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60283 has distinguishing character as present fruit stripes and erect plant growth habit.		
<b>C. Distinct characteristics of reference varieties:</b> Azad Brinjal-1 has distinguishing character as absent fruit stripes and semi spreading plant growth habit. Pant Rituraj has distinguishing character as absent fruit stripes and spreading plant growth habit.		
<b>D. Date of commercialization of the variety</b>		26.09.2003
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/indeterminate)	Erect tall and non-spiny
2	Days to flowering/anthesis (average) (days after transplanting)	50-55 days
3	Days to maturity (average) (days after transplanting)	65-70 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. and 50% the recommended quantity of nitrogen and a complete dose of

		potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split dose as top dressing
	Organic (per acre or per plant)	400 kg neem
	Inorganic (per acre or per plant)	N:P:K 80:40:40
	Other fertilizers (per acre or per plant)	-
6	Spacing (cms) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain the potential yield	BJ 60283 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measures to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid)</p>



		<p>@0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculum.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (zone-wise)	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
10	Number of irrigation required to attain potential yield (zone-wise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	<p>Kharif: June-July Rabi: October-November Summer: January-February</p>
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		

1	Yield potential (average) per acre (q/ac)	118-125 q/ac
2	Yield of fruit per plant (average)	16-18 kg

91. Application No. 

N5	BB5	10	423
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5026** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5026  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number : 

N5	BB5	10	423
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-5026

Type of variety : New

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : SC-265 x SC-190

Source of parental material : Own germplasm

Name of reference varieties : Pusa Sharad

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Seedling anthocyanin colouration of hypocotyl (Characteristic 1)	Present
Curd covering by inner leaves (Characteristic 16)	Not covered
Curd shape in longitudinal section (Characteristics 19)	Broad elliptic
Curd maturity group (Characteristic 26)	Mid-early
<b>B. Distinct characteristics of candidate variety:</b> SCF-5026 has distinguishing character as not covered curd covering by inner leaves.	
<b>C. Distinct characteristics of reference varieties:</b> Pusa Sharad has distinguishing character as partly covered curd covering by inner leaves	

<b>D. Date of commercialization of the variety</b>		26.06.2008
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	-
3	Days to maturity (average)	55-60 days
4	Planting material/seed material requirement	150-200 g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per acre or per plant)	10-12 ton FYM
	Inorganic (per acre or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizers (per acre or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	45cm
	Plant to plant	30cm
7	Soil requirement to attain the potential yield	Light medium loamy and sandy loam soil
8	Plant potential measures to requirement to attain the potential yield	Some important diseases are Downy mildew, Rhizoctonia, Alternaria. Sprays after 10-15 days of Dithane M-45 @1.5-2g/l of water or Daconil (kavach) @ 1-1.5g/l of water. For black rot and soft rot sprays Streptocycline (0.01%) and control. Some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield (zone-wise)	25 <sup>th</sup> July – 15 <sup>th</sup> August
10	Number of irrigations required to attain potential yield (zone-wise)	Irrigation depending on the rain require 4-5 days interval as per season and soil type. After more rain drainage is must.
11	The best growing season to attain the potential yield	Kharif
12	Name of the cropping/climatic zone of India in which the varietal/hybrid trails were conducted	UP,HR,RJ,BR and PB
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.

Commercial attribute		
1	Yield potential (average) per acre (q/ac)	5-7ton/ac
2	Yield of fruit per plant (average)	500-600g

92. Application No. 

E1	AE3	10	388
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) Variety of crop **Okra (*Abelmoschus esculentus* (L.) Moench)** having denomination **MOK 60036** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : MOK 60036  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

E1	AE3	10	388
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a. Number :

b. Date of receipt : 23.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Okra (*Abelmoschus esculentus* (L.) Moench)

Denomination : MOK 60036

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : O-282 x O-217

Source of parental material : Own germplasm

Name of reference varieties : Arka Anamika

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Stem colour (Characteristic 1)	Green
Leaf blade depth of lobing (Characteristic 3)	Medium
Stem number of nodes at first flowering (Characteristic 4)	Medium
Fruit colour (Characteristic 17)	Green
Fruit number of locules (Characteristic 24)	<6
Plant number of branches (Characteristic 25)	Medium
<b>B. Distinct characteristics of candidate variety:</b>	

MOK 60036 has distinguishing character as medium leaf blade depth of lobing.		
<b>C. Distinct characteristics of reference variety:</b> Arka Anamika has distinguishing character as deep blade depth of lobing.		
<b>D. Date of commercialization of the variety</b>		28.11.2009
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Indeterminate
2	Days to flowering/anthesis (average)	37-38days
3	Days to maturity (average)	115-120days
4	Planting material/seed material requirement	Seed
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac)	15-20 CL FYM at the time of land preparation.
	Inorganic (per ac)	N : P : K (kg) 48 : 24 : 24 At land preparation: 25% N 100% P and 100% K. 20 DAS: 25%N 35-40 DAS: 25% N 55-60 DAS: 25% N
	Other fertilizer (per ac)	Boracol 8kg
6	Spacing (cm) requirement to attain potential yield	
	Row to row	60cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Good fertile & well drained
8	Plant protection measure to attain potential yield	Use recommended chemicals to control diseases like OYVMV & wilt & pests like White flies & Jassids.
9	Sowing window requirement to attain potential yield (Zonewise)	Central and west zone: 15 June to 15 July
10	Number of Irrigation required to attain potential yield (Zonewise)	Central and west zone: 5-6
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Central and west zone
13	Any other relevant information specific to the variety/hybrid	-
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	38-42q/ac

2	Yield of fruit per plant (average)(kg)	166-180g/plant
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93. Application No. 

N3	TA7	12	213
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 filed on 15.06.2012 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a New Variety of crop **Bread wheat (*Triticum aestivum* L.)** having denomination **W07NV037** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : W07NV037  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number	: N3	TA7	12	213
b. Date of receipt	: 15.06.2012			
c. Date of acceptance	: --			

Crop (taxonomical lineage) : Bread wheat (*Triticum aestivum* L.)  
Denomination : W07NV037  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : CBSCDH1 x ALIME 1 WG21536  
Source of parental material : CIMMYT, Mexico  
Name of reference varieties : PBW 343

Variety description:

A. Grouping characteristics	Remarks (measured values)
Flag leaf anthocynin coloration of auricle (Characteristic 4)	Absent
Time of ear emergence (Characteristic 7)	Medium
Plant length (Characteristic 14)	Long
Awn or scurs presence (Characteristic 18)	Awns present
Outer glume pubescence (Characteristic 23)	Absent
Ear colour (Characteristic 24)	White
Season type (Characteristic 37)	Spring type
Grain hardness (Characteristic 38)	Hard
<b>B. Distinct characteristics of candidate variety:</b>	

<b>W07NV037</b> has distinguishing character as semi-erect plant growth type and medium ear time of emergence.		
<b>C. Distinct characteristics of reference varieties:</b> <b>PBW 343</b> has distinguishing character as intermediate plant growth type and late ear time of emergence.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (Erect, Semi-erect, Indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	85-95days
3	Days to physiological maturity (average)	130-140days
4	Seeds rate per acre	40kg
5	Recommended Nutrition/acre schedule to attain potential yield and time of application	
	Organic (kg/ha)	FYM IT per ac
	Inorganic (kg/ha)	60:24:16 (kg NPK per ac)
	Other fertilizer (kg/ha)	-
6	Spacing (cm) requirement to attain potential yield	
	Row to row	23cm
7	Soil requirement to attain potential yield	Good well drained soil with high organic matter
8	Plant protection measure to attain potential yield	It is recommended to take a spray for the rust disease. Propiconazole or Tebuconazole spray (0.1% in 200 l of water/ha)
9	Sowing window requirement to attain potential yield (Zone wise)	15-30 November
10	Number of Irrigation required to attain potential yield	6-7 irrigations
11	The best growing season to attain potential yield (Zone wise)	November to April
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	North west plain zone and north east plain zone
13	Intercultural operations (including training, pruning and nipping)	Timely weeding
14	Any other relevant information specific to the variety/hybrid	NA
<b>Commercial Attribute</b>		
1	Zone wise yield potential (average) per acre (q/ac)	35-40 q/ha
2	Seed yield/ha (average)	35-40 q/ha

94. Application No. 

N12	LL12	10	397
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61469** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61469  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.

Nationality of applicant : Indian

**Application details**

N12	LL12	10	397
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a. Number :  
 b. Date of receipt : 23.12.2010  
 c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : TM 61469

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parental line)

Previously proposed : Not applicable

Denomination

Name of parental material : T 136

Source of parental material : Own germplasm

Name of reference varieties : Arka Ahuti, Utkal Pragyan and CO 3

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent
Fruit : Shape in longitudinal section (Characteristic 33)	Obovoid
Fruit : Colour at maturity (Characteristic 43)	Red
<b>B. Distinct characteristics of candidate variety:</b>	
TM 61469 has distinguishing character as narrow leaflet width, medium fruit size and obovoid fruit shape in longitudinal section.	
<b>C. Distinct characteristics of reference varieties:</b>	
Arka Ahuti has distinguishing character as medium leaflet width, large fruit size and cylindrical fruit shape in longitudinal section.	



<p><b>Utkal Pragyan</b> has distinguishing character as medium leaflet width and heart shaped fruit shape in longitudinal section.</p> <p><b>CO 3</b> has distinguishing character as narrow leaflet width, large fruit size, varies from circular to flattend fruit shape in longitudinal section</p>		
<b>D. Date of commercialization of the variety</b>		16.10.2008
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (Determinate/Indeterminate)	Determinate
2	Days to Flowering/Anthesis (Average)	37-40 days
3	Days to maturity (Average)	55-58 days
4	Planting Material / seeds material requirement	60-70 g/ac
5	Fertilizer requirement to attain potential and time of application	Apply FYM & 50% the recommended quantity of nitrogen and complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500 kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61469 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	Disease and pest control White fly/jassids: Application of Phorate (Thimet) @12.5kg/ha gives a good protection to the crop for about 21 days. Spray Endosulfan (Thiodon) or Oxydemeton Methyl (Metasystox) @2ml/l at an interval of 10-15 days. Mites/Thrips: Dust Sulphur @20-25kg/ha or spray with Dicofol (Kelthane)/Dinocab (Karathane) @1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or Triazophos (0.05%) once in 3 weeks. Fruit fly:

		<ul style="list-style-type: none"> <li>Collect infested fruits and dried leaves and burn in deep pits.</li> <li>Fruits should not be allowed to over ripe on plants.</li> <li>Frequent taking or ploughing under vines to expose the pupae.</li> <li>Spray Dichlorvos (0.1%) or Endosulfan (Thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases  Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or Mancozeb at 8-10 days interval.  Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.</p>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: May-June Summer: January-February
10	Number of Irrigation required to attain potential yield (zone-wise)	The first irrigation given immediately after transplanting of seed lings and thereafter the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate Zone of India in which the variety/Hybrid trials were conducted	A long and warm growing season with a mean temp of 25-30 <sup>0</sup> C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may rot when they come in contact with soil, if not asked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial Attribute</b>		
1	Yield potential (Average) per acre (q/ac)	120-125 q/ac
2	Yield of fruit per plant (Average)	2.5-3.5 kg

95. Application No. 

N6	LL6	10	385
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a New Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61486** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61486  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N6	LL6	10	385
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : TM 61486  
Type of variety : New  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : T 248-1  
Source of parental material : Own germplasm  
Name of reference varieties : Arka Vikash, KASHI VISHESH, Kashi Sharad

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Determinate
Leaf : Serration (Characteristic 12)	Highly serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)	Present
Fruit : Shape in longitudinal section (Characteristic 33)	Slightly flattened
Fruit : Colour at maturity (Characteristic 43)	Red
<b>B. Distinct characteristics of candidate variety:</b> TM 61486 has distinguishing character as narrow leaflet width and present fruit green shoulder (before maturity).	
<b>C. Distinct characteristics of reference varieties:</b> Arka Vikash has distinguishing character as medium leaflet width and absent fruit green shoulder (before maturity). KASHI VISHESH has distinguishing character as medium leaflet width and absent fruit green shoulder (before maturity). Kashi Sharad has distinguishing character as absent fruit green shoulder (before maturity)	
<b>D. Date of commercialization of the variety</b>	21.11.2012
<b>E. Agronomic and commercial attributes</b>	
<b>S.No.</b>	<b>Attributes</b>
	<b>Details</b>

1	Growth habit (Determinate/Indeterminate)	Determinate
2	Days to Flowering/Anthesis (Average)	30-35 days
3	Days to maturity (Average)	50-55 days
4	Planting Material / seeds material requirement	60-70 g/ac
5	Fertilizer requirement to attain potential and time of application	Apply FYM & 50% the recommended quantity of nitrogen and complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500 kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61486 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	<p>Disease and pest control</p> <p>White fly/jassids: Application of Phorate (Thimet) @12.5kg/ha gives a good protection to the crop for about 21 days. Spray Endosulfan (Thiodon) or Oxydemeton Methyl (Metasystox) @2ml/l at an interval of 10-15 days.</p> <p>Mites/Thrips: Dust Sulphur @20-25kg/ha or spray with Dicofol (Kelthane)/Dinocab (Karathane) @1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or Triazophos (0.05%) once in 3 weeks. Fruit fly:</p> <ul style="list-style-type: none"> <li>• Collect infested fruits and dried leaves and burn in deep pits.</li> <li>• Fruits should not be allowed to over ripe on plants.</li> <li>• Frequent taking or ploughing under vines to expose the pupae.</li> <li>• Spray Dichlorvos (0.1%) or Endosulfan (Thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases</p>

		Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or Mancozeb at 8-10 days interval. Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: May-June Summer: January-February
10	Number of Irrigation required to attain potential yield (zone-wise)	The first irrigation given immediately after transplanting of seed lings and thereafter the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate Zone of India in which the variety/Hybrid trials were conducted	A long and warm growing season with a mean temp of 25-30 <sup>0</sup> C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may rot when they come in contact with soil, if not asked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial Attribute</b>		
1	Yield potential (Average) per acre (q/ac)	125-135 q/ac
2	Yield of fruit per plant (Average)	18-20 kg

96. Application No. 

E10	LL14	10	401
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61460** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61460  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.

Nationality of applicant : Indian

**Application details**

	E10	LL14	10	401
a. Number	:			
b. Date of receipt	: 23.12.2010			
c. Date of acceptance	: --			
Crop (taxonomical lineage)	: Tomato ( <i>Solanum lycopersicum</i> L.)			
Denomination	: TM 61460			
Type of variety	: Extant (VCK)			
Classification of variety	: Other (Inbred parent line)			
Previously proposed	: Not applicable			
Denomination				
Name of parental material	: TLCV 205-1/6			
Source of parental material	: Own germplasm			
Name of reference varieties	: JT-3, Azad T-2			

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Slightly flattened
Fruit : Colour at maturity (Characteristic 43)		Pink
<b>B. Distinct characteristics of candidate variety:</b>		
TM 61460 has distinguishing character as narrow leaflet width, less serrated leaflet serration and absent fruit green shoulder (before maturity).		
<b>C. Distinct characteristics of reference varieties:</b>		
JT-3 has distinguishing character as medium leaflet width and absent (potato type) leaflet serration and absent fruit green shoulder (before maturity)		
Azad T-2 has distinguishing character as medium leaflet width, absent (potato type) leaflet serration and present fruit green shoulder (before maturity).		
<b>D. Date of commercialization of the variety</b>		04.12.2003
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (Determinate/Indeterminate)	Determinate
2	Days to Flowering/Anthesis (Average)	40-43 days
3	Days to maturity (Average)	57-60 days

4	Planting Material / seeds material requirement	60-70 g/ac
5	Fertilizer requirement to attain potential and time of application	Apply FYM & 50% the recommended quantity of nitrogen and complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500 kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61460 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	<p>Disease and pest control</p> <p>White fly/jassids: Application of Phorate (Thimet) @12.5kg/ha gives a good protection to the crop for about 21 days. Spray Endosulfan (Thiodon) or Oxydemeton Methyl (Metasystox) @2ml/l at an interval of 10-15 days.</p> <p>Mites/Thrips: Dust Sulphur @20-25kg/ha or spray with Dicofol (Kelthane)/Dinocab (Karathane) @1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or Triazophos (0.05%) once in 3 weeks. Fruit fly:</p> <ul style="list-style-type: none"> <li>• Collect infested fruits and dried leaves and burn in deep pits.</li> <li>• Fruits should not be allowed to over ripe on plants.</li> <li>• Frequent taking or ploughing under vines to expose the pupae.</li> <li>• Spray Dichlorvos (0.1%) or Endosulfan (Thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases</p> <p>Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or Mancozeb at 8-10 days interval. Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.</p>

9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: May-June Summer: January-February
10	Number of Irrigation required to attain potential yield (zone-wise)	The first irrigation given immediately after transplanting of seed lings and thereafter the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate Zone of India in which the variety/Hybrid trials were conducted	A long and warm growing season with a mean temp of 25-30 <sup>0</sup> C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may rot when they come in contact with soil, if not asked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial Attribute</b>		
1	Yield potential (Average) per acre (q/ac)	118-120 q/ac
2	Yield of fruit per plant (Average)	2.2-3.3 kg

97. Application No. 

E11	LL2	10	379
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **TM 61481** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : TM 61481  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.

Nationality of applicant : Indian

**Application details**

a. Number : 

E11	LL2	10	379
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b. Date of receipt : 23.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : TM 61481

Type of variety : Extant (VCK)



Classification of variety : Other (Inbred parent line)  
 Previously proposed : Not applicable  
 Denomination  
 Name of parental material : 953-1  
 Source of parental material : Own germplasm  
 Name of reference varieties : JT-3, Azad T-2, , Azad T-6 and Arka Vikas

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Circular
Fruit : Colour at maturity (Characteristic 43)		Pink
<b>B. Distinct characteristics of candidate variety:</b>		
TM 61481 has distinguishing character as less serrated leaflet serration, absent fruit green shoulder (before maturity) and circular fruit shape in longitudinal section.		
<b>C. Distinct characteristics of reference varieties:</b>		
JT-3 has distinguishing character as absent leaflet serration, absent fruit green shoulder (before maturity) and highly flattened fruit shape in longitudinal section.		
Azad T-2 has distinguishing character as absent leaflet serration, and present fruit green shoulder (before maturity) and circular fruit shape in longitudinal section.		
Azad T-6 has distinguishing character as highly serrated leaflet serration, absent fruit green shoulder (before maturity) and flattened fruit shape in longitudinal section.		
Arka Vikas has distinguishing character as less serrated leaflet serration, absent fruit green shoulder (before maturity) and flattened fruit shape in longitudinal section.		
<b>D. Date of commercialization of the variety</b>		16.10.2008
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (Determinate/Indeterminate)	Determinate
2	Days to flowering/anthesis (average) (days after transplanting)	40-45 days
3	Days to maturity (average) (days after transplanting)	55-60 days
4	Planting material / seed material requirement	60-70 g/ac
5	Fertilizer requirement to attain potential and time of application	Apply FYM & 50% the recommended quantity of nitrogen and complete dose of potash and phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	500 kg neem
	Inorganic (per ac or per plant)	N:P:K 50:80:80

	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	TM 61481 can be successfully taken up on different types of soils rich in organic matter in pH range of 7-8.5 is best suited.
8	Plant protection measure to attain potential yield	<p>Disease and pest control</p> <p>White fly/jassids: Application of Phorate (Thimet) @12.5kg/ha gives a good protection to the crop for about 21 days. Spray Endosulfan (Thiodon) or Oxydemeton Methyl (Metasystox) @2ml/l at an interval of 10-15 days. Mites/Thrips: Dust Sulphur @20-25kg/ha or spray with Dicofol (Kelthane)/Dinocab (Karathane) @1.5-2.0 ml/l of water. Serpentine Leaf Minor: Spray of neem seed kernel extract (4%) or Triazophos (0.05%) once in 3 weeks. Fruit fly:</p> <ul style="list-style-type: none"> <li>• Collect infested fruits and dried leaves and burn in deep pits.</li> <li>• Fruits should not be allowed to over ripe on plants.</li> <li>• Frequent taking or ploughing under vines to expose the pupae.</li> <li>• Spray Dichlorvos (0.1%) or Endosulfan (Thiodon) @2.0-2.5 ml of water.</li> </ul> <p>Major diseases</p> <p>Alternaria Blight: Spray hexacap (0.25%) or copper oxy chloride (0.3%) or Mancozeb at 8-10 days interval. Powdery mildew: Dust sulphur @20-25kg/ha. Dusting should be done in the morning or in the evening hours. Dusting in the hot sun may cause phytotoxicity. Fusarium wilt: Rotate the crop (3yr rotation). Viral Complex: Control the vector carrying the virus.</p>
9	Sowing window requirement to attain potential yield (zone-wise)	Kharif: May-June Summer: January-February
10	Number of Irrigation required to attain potential yield (zone-wise)	The first irrigation given immediately after transplanting of seed lings and thereafter the crop is irrigated after every 10 or 15 days in winter and 4-6 days during summer depending on climate and soil requirement
11	The best growing season to attain potential yield	Kharif: May-June Summer: January-February
12	Name the cropping/climate Zone of India in which the	A long and warm growing season with a mean temp of 25-30 <sup>0</sup> C is most favorable for its cultivation.

	variety/Hybrid trails were conducted	
13	Any other relevant information specific to the variety/hybrid	Staking: The plants are staked to avoid damage to fruits which otherwise may rot when they come in contact with soil, if not asked. The common practice is to take individual plants or provide support to plants in a row.
<b>Commercial Attribute</b>		
1	Yield potential (Average) per acre (q/ac)	117-121 q/ac
2	Yield of fruit per plant (Average)	2.1-3.1 kg

98. Application No. 

E34	SM44	10	442
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-032** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-032  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number :

E34	SM44	10	442
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b. Date of receipt : 27.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : S-EP-032

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : BI-82

Source of parental material : Own germplasm

Name of reference varieties : DBL-329, Swarna Ajay and BR-112

**Variety Description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Ovoid

Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Absent	
Fruit: Colour of calyx (Characteristic 35)	Green	
<b>B. Distinct characteristics of candidate variety:</b> S-EP-032 has distinguishing character as short fruit length, small fruit diameter and cluster fruiting pattern.		
<b>C. Distinct characteristics of reference varieties:</b> DBL-329 has distinguishing character as medium fruit length, medium fruit diameter and solitary fruiting pattern. Swarna Ajay has distinguishing character as medium fruit length, medium fruit diameter and solitary fruiting pattern. BR-112 has distinguishing character as long fruit length, medium fruit diameter and mixed fruiting pattern.		
<b>D. Date of commercialization of the variety</b>	03.12.2004	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: early/medium/late	Medium
2	Production condition: suitability area in the country	RJ, MP, GJ, PB, HR, CG, MS, TS, AP, TN and KT
	Time of sowing	Kharif (June-July) & rabi (October-November)
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility
3	Tolerance to adverse temperature/frost and heat-sensitive/tolerance	Sensitive to frost and tolerant to heat
4	Tolerance to water stagnation: sensitive/tolerant	Sensitive
5	Resistance/tolerance to pest/s	Susceptible to bacterial/fusarium/verticillium wilt
6	Winter-spring cropping seasons type	Kharif (June-July sowing), rabi (October-November sowing)
7	Fruit yield q/ha	300-400 q/ha
8	Fruit yield/plant (kg/ha) (average)	(2.0-2.5 kg/plant), 30000-40000 kg/ha
9	Fruit picking schedule	Weekly after 70DAT
10	Transport potential (days)	3-5 days
11	Optimal shelf-life (no. of days)	5-7 days
12	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.

99. Application No. 

N6	SM58	11	1321
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 filed on 07.12.2011 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a New variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-006** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-006  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

**a. Number** : 

N6	SM58	11	1321
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**b. Date of receipt** : 07.12.2011  
**c. Date of acceptance** : --  
**Crop (taxonomical lineage)** : Brinjal (*Solanum melongena* L.)  
**Denomination** : S-EP-006  
**Type of variety** : New  
**Classification of variety** : Other (Inbred parent line)  
**Previously proposed** : Not applicable  
**Denomination**  
**Name of parental material** : OB-314  
**Source of parental material** : Own germplasm  
**Name of reference varieties** : CH-1045 and Arka Kusumkar

**Variety Description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Medium
Fruit: General shape (Characteristic 23)	Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> S-EP-006 has distinguishing character as obovate fruit general shape and green fruit colour of calyx.	
<b>C. Distinct characteristics of reference varieties:</b>	

CH-1045 has distinguishing character as ovoid fruit general shape and purple fruit colour of calyx.		
Arka Kusumkar has distinguishing character as cylindrical fruit general shape and green fruit colour of calyx.		
<b>D. Date of commercialization of the variety</b>		18.12.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi spreading
2	Days to flowering/anthesis (average)(days after seed sowing)	60-80 days
3	Days to maturity (average)(days after seed sowing)	70-90 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350kg/ac neem cake at the time of land preparation.
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side dressing. After 6 weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
	Other fertilizer (per ac or per plant)	
6	Spacing (cm) requirement to attain potential yield	
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/l of water) or Metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/l or Dinocap 48EC (Karathane) @30ml/10l of water. Phomopsis Fruit Rot: Seed treatment with Thiram 75SD

		<p>(Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/l or Mancozeb (2g/l of water) or Zineb (Dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/l or Chlorothalonil 70WP (Kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/l+Copperoxychloride 50WP (Blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/l + Hexaconazole 5EC (Contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/l or Fame (Flubendiamide) @0.2ml/l or Rimon (Novaluron) @1ml/l or Spintor (Spinosad) @0.75ml/l. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/l or Ulala(Flonicamid) @0.3g/l or Confidor (Imidacloprid) @0.4ml/l or Asataf (Acephate) @2g/l. Epilachna beetle: Dust carbaryl (Sevin) @4g/l. Mites: Spray Oberon (Spiromesifen) @0.4ml/l or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/l. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/l or Regent (Fipronil) @2ml/l or Confidor (Imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid @0.4ml/l or Asataf (Acephate) 75SP @2g/l. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	Arid zone: Kharif (June-July) Semi arid zone subtropical: Kharif (June-July) Humid subtropical: Kharif (June-July) & rabi (October-December) Tropical wet & dry: Kharif (June-August) & rabi (September-November)
10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Humid subtropical: Kharif season Semi-arid zone: Kharif season Tropical wet & dry: Kharif & rabi seasons
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	140-160q/ac
2	Yield of fruit per plant (average)(kg)	2.5-3.0 kg

100. Application No. 

E25	SM25	10	411
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60252** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.



Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60252  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E25	SM25	10	411
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60252  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-43 X B-49  
Source of parental material : Own germplasm  
Name of reference varieties : Swarna Ajay and Punjab Nagina

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Ovoid
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Green
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60252 has distinguishing character as absent leaf spininess, short fruit length, green fruit colour of skin at commercial harvesting, present fruit patches, green fruit colour of calyx and absent fruit spininess of calyx.	
<b>C. Distinct characteristics of reference varieties:</b> Swarna Ajay has distinguishing character as present leaf spininess, medium fruit length, purple fruit colour of skin at commercial harvesting, absent fruit patches, purple fruit colour of calyx and weak fruit spininess of calyx. Punjab Nagina has distinguishing character as present leaf spininess, medium fruit length, purple fruit colour of skin at commercial harvesting and absent fruit patches. green fruit colour of calyx and weak fruit spininess of calyx.	
<b>D. Date of commercialization of the variety</b>	22.05.2001
<b>E. Agronomic and commercial attributes</b>	
<b>S.No.</b>	<b>Attributes</b>
	<b>Details</b>

1	Growth habit (determinate/indeterminate)	Erect non spiny
2	Days to flowering/anthesis (average) (days after transplanting)	57-63 days
3	Days to maturity (average) (days after transplanting)	70-75 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N:P:K 80:40:40
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ-60252 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram 75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l. Pests:

		<p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid @0.4ml/l or asataf (acephate) 75SP @2g/l. Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield	<p>Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb</p>
10	Number of irrigation required to attain potential yield	<p>Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.</p>

11	The best growing season to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	122-127 q/ac
2	Yield of fruit per plant (average)	2.5-3.0 kg

101. Application No. 

E35	SM24	10	410
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60301** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60301  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

E35	SM24	10	410
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b. Date of receipt : 23.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : BJ 60301  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : B-380-1 X B-399  
Source of parental material : Own germplasm  
Name of reference varieties : MDU-1 and Pant Rituraj

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Fruit: Length (Characteristic 20)	Short

Fruit: Diameter (Characteristic 21)	Small	
Fruit: General shape (Characteristic 23)	Globular	
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple	
Fruit: Stripes (Characteristic 30)	Present	
Fruit: Colour of calyx (Characteristic 35)	Green	
<b>B. Distinct characteristics of candidate variety:</b> BJ 60301 has distinguishing character as present fruit stripes.		
<b>C. Distinct characteristics of reference varieties:</b> MDU-1 has distinguishing character as absent fruit stripes. Pant Rituraj has distinguishing character as absent fruit stripes.		
<b>D. Date of commercialization of the variety</b>	09.10.2007	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Erect and non spiny
2	Days to flowering/anthesis (average) (days after transplanting)	50-55 days
3	Days to maturity (average) (days after transplanting)	60-65 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	Apply F.Y.M. & 50% the recommended quantity of nitrogen & complete dose of potash & phosphorus final land preparation. Balance quantity of nitrogen is applied in two split doses as top dressing.
	Organic (per ac or per plant)	400kg neem
	Inorganic (per ac or per plant)	N:P:K 80:40:40
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	BJ 60301 can be successfully taken up on different types of soils rich in organic matter in pH range of 5.5-6.6 is best suited.
8	Plant protection measure to attain potential yield	Diseases: Damping off: Use raised nursery beds, avoid excess irrigation. Drench nursery beds with copper oxychloride or captan (2g/l of water) or metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (thiovit) @2.5g/l or dinocap 48EC (karathane) @30ml/10l of water. Phomopsis fruit rot: Seed treatment with thiram

		<p>75SD (seedon) @2g/kg of seed. Spray carbendazim 50WP (bavistin) @2g/l or mancozeb (2g/l of water) or zineb (dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (bavistin) @2g/l or chlorothalonil 70WP (kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, grow resistant hybrids; need based drenching with streptomycin @0.1g/l + copperoxychloride 50WP (blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with carbendazim 50WP (bavistin) @2.5g/l + hexaconazole 5EC (contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray coragen (rynaxypyr) @0.3ml/l or fame (flubendiamide) @0.2ml/l or rimon (novaluron) @1ml/l or spintor (spinosad) @0.75ml/l. Ash Weevil: Drench with jump (fipronil) @2ml/l or monocrotophos (nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray sshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l or confidor (imidacloprid) @0.4ml/l or asataf (acephate) @2g/l. Epilachna beetle: Dust carbaryl (sevin) @4g/l. Mites: Spray oberon (spiromesifen) @0.4ml/l or vertimec (abamectin) @0.5ml/l or omite (propargite) @2ml/l. Root knot nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray econeem @2ml/l or regent (fipronil) @2ml/l or confidor (imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): Virus spread by thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by confidor (imidocloprid) @0.4ml/l or asataf (acephate) 75SP @2g/l.</li> </ul> <p>Little leaf of brinjal: Spread by leaf hopper-hishimonus phycitis.</p>
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		<ul style="list-style-type: none"> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (dinotefuron) @1.25g/l or ulala (flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
10	Number of irrigation required to attain potential yield	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif: June-July Rabi: Oct-Nov Summer: Jan-Feb
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	A long & warm growing season with a mean temp of 20-30°C is most favorable for its cultivation.
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial attribute</b>		
1	Yield potential (average) per acre (q/ac)	120-125 q/ac
2	Yield of fruit per plant (average)	16-20 kg

**102.** Application No. 

N11	PG14	12	691
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 filed on 28.12.2012 by **Bayer Bioscience Pvt. Ltd., Ohri's Tech Park, Plot No. 13, Survey No. 64/2 (New), Software Units Layout, Madhapur, Hyderabad-500081, Telangana** for a New variety of crop **Pearl Millet** (*Pennisetum glaucum* (L.) R. Br.) having denomination **PP63** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PP63  
**Applicant** : Bayer Bioscience Pvt. Ltd.  
**Address of the applicant** : Ohri's Tech Park, Plot No. 13, Survey No. 64/2 (New), Software Units Layout, Madhapur, Hyderabad-500081, Telangana

Nationality of applicant : Germany

**Application details**

a. Number

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N11	PG14	12	691
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**b. Date of receipt** : 28.12.2012  
**c. Date of acceptance** : --  
 Crop (taxonomical lineage) : Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)  
 Denomination : PP63  
 Type of variety : New  
 Classification of variety : Typical  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : M40198 x M10267  
 Source of parental material : Own germplasm  
 Name of reference varieties : JKBH 26 and H 77/29-2

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant: Time of spike emergence (Characteristic 3)		Very late
Anther: Colour (Characteristic 8)		Purple
Spike: Shape (Characteristic 19)		Conical
Seed: Colour (Characteristic 24)		Grey
Seed: Shape (Characteristic 25)		Obovate
<b>B. Distinct characteristics of candidate variety:</b> PP63 has distinguishing character as conical spike shape and obovate seed shape.		
<b>C. Distinct characteristics of reference varieties:</b> JKBH 26 has distinguishing character as lanceolate spike shape and hexagonal seed shape. H 77/29-2 has distinguishing character as candle spike shape and obovate seed shape.		
<b>D. Date of commercialization of the variety</b>		18.01.2012
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to flowering/anthesis (Average)	59 days
2	Days to maturity: early/medium/late	Late
3	Production condition: suitability area in the country	Peninsular India
4	Time of sowing	Summer: January-February Kharif: May-June
	Irrigated/rainfed	Irrigated and rainfed
	Low fertility/high fertility of soil	Low and high fertility soil
5	Tolerance to disease and pests	Resistant to downey mildew, blast, rust, smut and ergot. Tolerant to shoot fly and stem borer.
6	Tolerance to adverse temperature/frost/heat/salinity	Drought tolerant
7	Grain character physical	
	a) Kernel size	Not applicable
	b) Seed lusture (present/absent)	Not applicable
	c) Seed colour	Grey (4), DUS Ch. no. 26
8	Zone-wise yield potential (average) per ac (q/ac)	10-11 q/ac



9	Seed weight (1000 seeds weight in g)	Medium (7.6-10.0) (5), DUS Ch.no. 28
10	Any other relevant value addition information specific to the variety/hybrid to attain potential yield	The candidate variety is an inbred line and is used for the production of the hybrid. The variety is planted in production areas in both summer and rainy season as per the requirement of the hybrid seed.

103. Application No. 

N12	PG12	13	753
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 filed on 07.11.2013 by **Bayer Bioscience Pvt. Ltd., Ohri's Tech Park, Plot No. 13, Survey No. 64/2 (New), Software Units Layout, Madhapur, Hyderabad-500081, Telangana** for a New variety of crop **Pearl Millet** (*Pennisetum glaucum* (L.) R. Br.) having denomination **PSP68** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PSP68  
**Applicant** : Bayer Bioscience Pvt. Ltd.  
**Address of the applicant** : Ohri's Tech Park, Plot No. 13, Survey No. 64/2 (New), Software Units Layout, Madhapur, Hyderabad-500081, Telangana  
Nationality of applicant : Germany  
**Application details**  
a. Number : 

N12	PG12	13	753
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b. Date of receipt : 07.11.2013  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)  
Denomination : PSP68  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : 1192G x 1927G  
Source of parental material : Own germplasm  
Name of reference varieties : PB 106 and 842B

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Very late
Anther: Colour (Characteristic 8)	Purple
Spike: Shape (Characteristic 19)	Conical
Seed: Colour (Characteristic 24)	Grey

Seed: Shape (Characteristic 25)		Obovate
<b>B. Distinct characteristics of candidate variety:</b> PSP68 has distinguishing character as deep grey seed colour.		
<b>C. Distinct characteristics of reference varieties:</b> PB 106 has distinguishing character as grey brown seed colour. 842B has distinguishing character as grey seed colour.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Days to maturity: early/medium/late	Medium
2	Days to flowering/anthesis (average)	Medium (47-50days) (5), DUS Ch. No. 3
3	Production condition: suitability area in the country	Telangana state (Zone B)
4	Time of sowing	Summer: Mid-February to March Kharif: June to 2 <sup>nd</sup> week of July
	Irrigated/rainfed	Rainfed but sufficient moisture at tillering, flowering and grain filling stage is required
	Low fertility/high fertility of soil	Low and high fertility soil
5	Tolerance to disease and pests	Resistant to downey mildew, blast, rust, smut and ergot. Tolerant to shoot fly and stem borer.
6	Tolerance to adverse temperature/frost/heat/salinity	Drought tolerant
7	Grain character physical	
	a) Kernel size	Not applicable
	b) Seed lusture (present/absent)	Not applicable
	c) Seed colour	Deep grey (5), DUS Ch. no. 26
8	Zone-wise yield potential (average) per ac (q/ac)	11-12 q/ac
9	Seed weight (1000 seeds weight in g)	Bold (10.1-12.5gm) (7), DUS Ch.no. 28
10	Any other relevant value addition information specific to the variety/hybrid to attain potential yield	It is suited for low to medium rainfall (rainfed condition). It shall be sown on time and sufficient moisture during tillering, flowering and growing stage is required. Plant protection and intercultural operation measures to be adopted as applicable.

104. Application No. 

N10	PG15	07	78
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 filed on 22.05.2007 by **M/s Crystal Crop Protection Limited, B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052** for a New variety of crop **Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)** having denomination **MIP-007** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : MIP-007  
**Applicant** : M/s Crystal Crop Protection Limited  
**Address of the applicant** : B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052  
Nationality of applicant : Mauritius  
**Application details**  
a. Number : 

N10	PG15	07	78
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b. Date of receipt : 22.05.2007  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)  
Denomination : MIP-007  
Type of variety : New  
Classification of variety : Other (Inbred line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : MLBB-9 x I-5111  
Source of parental material : Own germplasm  
Name of reference varieties : ICMB 92777

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)		Very late to late
Anther: Colour (Characteristic 8)		Purple
Spike: Shape (Characteristic 19)		Conical
Seed: Colour (Characteristic 24)		Grey
Seed: Shape (Characteristic 25)		Globular
<b>B. Distinct characteristics of candidate variety:</b> MIP-007 has distinguishing character as absent plant node pubescence and grey seed colour.		
<b>C. Distinct characteristics of reference varieties:</b> ICMB 92777 has distinguishing character as present plant node pubescence and grey brown seed colour.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Days to maturity	Medium
2	Production condition: suitability area in the country	Dry season: Millet hybrid seed production area of India
3	Time of sowing	December-January
4	Irrigated/rainfed	Irrigated
5	Low fertility/high fertility of soil	High fertility
6	Tolerance to disease and pests	Tolerant
7	Grain characters	
	a) Kernel shape	Globular

	b) Seed lusture	Present
	c) Seed colour	Grey
8	Average zone wise yield potential (q/ac)	8 to 10
9	Average seed yield (q/ac)	20 to 25
10	1000 seed weight	8-10g
11	Any other relevant information specific to the variety/hybrid	This is a female parent and used for the hybrid seed production as a seed parent. It is having very good tillers and short ear heads with attached flag leaf till physiological maturity the parent remains stay green.

105. Application No. 

N31	PG31	10	214
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 filed on 22.07.2010 by **M/s Crystal Crop Protection Limited, B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052** for a New variety of crop **Pearl Millet** (*Pennisetum glaucum* (L.) R. Br.) having denomination **DGB-017** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : DGB-017  
**Applicant** : M/s Crystal Crop Protection Limited  
**Address of the applicant** : B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052  
Nationality of applicant : Mauritius  
**Application details**  
a. Number : 

N31	PG31	10	214
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b. Date of receipt : 22.07.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)  
Denomination : DGB-017  
Type of variety : New  
Classification of variety : Other (Inbred line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : MLBI-1083 x MLI-1567  
Source of parental material : Own germplasm  
Name of reference varieties : H 77/833-2 and PB106

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant: Time of spike emergence (Characteristic 3)	Very late to late
Anther: Colour (Characteristic 8)	
Spike: Shape (Characteristic 19)	Conical

Seed: Colour (Characteristic 24)	Grey	
Seed: Shape (Characteristic 25)	Globular	
<b>B. Distinct characteristics of candidate variety:</b> DGB-017 has distinguishing character as present spike anthocyanin pigmentation of glume.		
<b>C. Distinct characteristics of reference varieties:</b> H 77/833-2 has distinguishing character as absent spike anthocyanin pigmentation of glume. PB106 has distinguishing character as absent spike anthocyanin pigmentation of glume.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to flowering	Very late
2	Production condition: suitability area in the country	Dry season: Millet growing area of the country
3	Time of sowing	June-July or February-May
4	Irrigated/rainfed	Irrigated
5	Low fertility/high fertility of soil	High fertility
6	Tolerance to disease and pests	Tolerant
7	Grain characters	
	a) Kernel shape	Globular
	b) Seed lusture	Present
	c) Seed colour	Deep grey
8	Average zone wise yield potential (q/ac)	10 to 15
9	Average seed yield (q/ac)	15-20
10	1000 seed weight	10-12g
11	Any other relevant information specific to the variety/hybrid	This is a restorer line of hybrid and to be produce in isolation of 1000 m, having short height and non-lodging.

106. Application No. 

E7	BB1	10	419
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5029** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5029  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088

Nationality of applicant : Indian

**Application details**

a. Number	E7	BB1	10	419
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b. Date of receipt : 27.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)

Denomination : SCF-5029

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : SC-282 x SC-266

Source of parental material : Own germplasm

Name of reference varieties : Pusa Sharad, Pusa Meghna and Pusa Hybrid-2

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Seedling anthocyanin colouration of hypocotyls (Characteristic 1)		Present
Curd covering by inner leaves (Characteristic 16)		Not covered
Curd shape in longitudinal section (Characteristics 19)		Narrow elliptic
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b>		
SCF-5029 has distinguishing character as present seedling anthocyanin colouration of hypocotyls, elliptic leaf shape and not covered curd covering by inner leaves.		
<b>C. Distinct characteristics of reference varieties:</b>		
Pusa Sharad has distinguishing character as absent seedling anthocyanin colouration of hypocotyls, broad elliptic leaf shape and partly covered curd covering by inner leaves.		
Pusa Meghna has distinguishing character as absent seedling anthocyanin colouration of hypocotyls, narrow elliptic leaf shape and partly covered curd covering by inner leaves.		
Pusa Hybrid-2 has distinguishing character as present seedling anthocyanin colouration of hypocotyls, elliptic leaf shape and partly covered curd covering by inner leaves.		
<b>D. Date of commercialization of the variety</b>		09.06.2009
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Growth habit (determinate/Indeterminate)	Semi erect
2	Days to flowering/anthesis (average)	-
3	Days to maturity (average)	60-65 days
4	Planting material/seed material requirement	150-200g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	10-12 ton FYM
	Inorganic (per ac or per plant)	60kg N: 40kg P: 30kg K
	Other fertilizer (per ac or per plant)	3-5 kg Mg

6	Spacing (cm) requirement to attain potential yield	
	Row to row	45cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Light medium loamy and sandy loam soil
8	Plant protection measure to attain potential yield	Some important diseases are downy mildew, rhizoctonia, alternaria. Spray after 10-15 days of dithane <u>M-45 @1.5-2g/l</u> of water or daconil(kavach)@1-1.5g/l of water. For black rot and soft rot sprays streptomycin (0.01%) and control. Some important insect are cabbage butterfly, DBM aphids and cutworms, sprays polythrin-c @2ml/l or chloropyrifos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield	20 <sup>th</sup> July-15 <sup>th</sup> August
10	Number of Irrigation required to attain potential yield	Irrigation depending on the rain require 4-5 days interval as per season and soil type. After more rain drainage is must.
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	UP,HR,RJ,BR,PB
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green card, grainy, very loose, ricey and fuzzy etc.
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	65-85q/ac
2	Yield of fruit per plant (average)kg	0.650-0.750kg

107. Application No. 

N23	LL23	10	489
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 filed on 28.12.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a New Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **NTM-62** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in -----NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NTM-62  
**Applicant** : Nuziveedu Seeds Ltd.

**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.

Nationality of applicant : Indian

**Application details**

a. Number : 

N23	LL23	10	489
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b. Date of receipt : 28.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : NTM-62

Type of variety : New

Classification of variety : Other (Parental line)

Previously proposed : Not applicable

Denomination

Name of parental material : TL-EB-11-2 X PT-21-4

Source of parental material : Own germplasm

Name of reference varieties : KASHI SHARAD, HISAR ANMOL and LAXMI

**Variety description:**

A. Grouping characteristics		Remarks (measured values)
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Highly serrated to less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Present
Fruit : Shape in longitudinal section (Characteristic 33)		Slightly flattened to circular
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b>		
NTM-62 has distinguishing character as present fruit green shoulder (before maturity).		
<b>C. Distinct characteristics of reference varieties:</b>		
KASHI SHARAD has distinguishing character as absent fruit green shoulder (before maturity).		
HISAR ANMOL has distinguishing character as absent fruit green shoulder (before maturity).		
LAXMI has distinguishing character as absent fruit green shoulder (before maturity).		
<b>D. Date of commercialization of the variety</b>		20.11.2010
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Days to maturity/early/medium/late	Early
2	Production condition: suitability area in the country	UP, Rajasthan, Haryana, Bihar, Chhattisgarh, Karnataka, TN etc.
	Time of sowing	July-October
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	Both
3	Tolerance to adverse temperature/frost/heat sensitive/tolerance	Heat tolerant
4	Tolerance to water stagnation: sensitive/tolerant	Sensitive



5	Resistance/tolerance to pest	White fly
6	Staking & pruning practices	Based on local cultivation practices
7	Winter/spring cropping seasons type	Spring
8	Fruit yield q/ha	700-800q/ha
9	Fruit yield/plant (kg/ha) (average)	5-6 kg/ha
10	Fruit quality and fruit firmness	Good firm fruit with very good fruit quality
11	Fruit picking schedule	Two days interval
12	Transport potential (days)	8-10days
13	Unique selling propositions and optimal shelf-life	TYLCV tolerant and 10-15 days self-life
14	Any other relevant information specific to the variety/hybrid	High tolerant to TYLCV with very good fruit quality.

**108.** Application No. 

N25	SB25	10	244
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 filed on 11.08.2010 by **M/s Crystal Crop Protection Limited, B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052.** for a New Variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **DGJ-027** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : DGJ-027  
**Applicant** : M/s Crystal Crop Protection Limited  
**Address of the applicant** : B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052.  
Nationality of applicant : Mauritius  
**Application details**  
a. Number : 

N25	SB25	10	244
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b. Date of receipt : 11.08.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)  
Denomination : DGJ-027  
Type of variety : New  
Classification of variety : Other (Inbred line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : MLSR 937 X MLSR 939  
Source of parental material : Own germplasm  
Name of reference varieties : CS 3541 and AKR 150

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant: Time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)	Late

Plant: Total height at maturity) (Characteristics 18)	Short	
Panicle: Shape (Characteristics 27)	Symmetric	
Caryopsis : Colour after threshing (Characteristics 33)	Yellow white	
<b>B. Distinct characteristics of candidate variety:</b> DGJ-027 has distinguishing character as yellow green leaf sheath anthocyanin colouration and present flag leaf yellow colouration of midrib.		
<b>C. Distinct characteristics of reference varieties:</b> CS 3541 has distinguishing character as grayed purple leaf sheath anthocyanin colouration and absent flag leaf yellow colouration of midrib. AKR 150 has distinguishing character as grayed purple leaf sheath anthocyanin colouration and present flag leaf yellow colouration of midrib.		
<b>D. Date of commercialization of the variety</b>	Not commercialized	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/indeterminate)	Determinate
2	Days to flowering/anthesis (average)	70-74days
3	Days to physiological maturity (average)	105-110days
4	Seed rate kg/ac	4kg/ac
5	Recommended nutrition /ac schedule to attain potential yield and time of application	-
	Organic (per ac)	Application of organic manure/compost/FYM at the rate of 4-5 MT/ac is most ideal for higher yields.
	Inorganic (per ac)	<ul style="list-style-type: none"> <li>• Manures and fertilizers both play important role in the jowar cultivation. It is advisable to follow N:P:K application at the rate of 33:16:16 per ac for better yields.</li> <li>• All phosphorus &amp; potash and half of nitrogen should be applied as basal dose at the time of sowing. (NPK-16:16:16).</li> <li>• The remaining half nitrogen 16kg/ac of the above dose should be applied after 30-35 days of crop age or at knee stage of crop for better results.</li> </ul>
	Other fertilizer (per ac)	-
6	Spacing (cms) requirement to attain potential yield	-
	Row to row	40-60cm
	Plant to plant	10-15cm
7	Soil requirement to attain the potential yield	Medium to light soil types but the clayey loam soil rich in humus is found to be the

		most ideal. It may tolerate mild soil acidity and mild soil alkalinity under pH 5.5 to 8.0. A good jowar soil must have an efficient drainage facility, though it may withstand water logging more than maize. Water logging in mature crop may prove very harmful as the plants may fall down and rotting of the ears will occur.
8	Plant protection measures to attain the potential yield	Shoot fly: Application of carbofuran 3G or phorate 10G@20 kg/ha at the time of planting in seed furrows. Application of carbofuran granule 3G@8 kg/ha in the leaf whorl at 7-14 days after DAS. Spray Cypermethrin 25%EC@ 2.0 ml/l at 7 and 14 days after seedling emergence. Stem Borer: Application carbaryl 3G 2-3 granule in to the whorl of plant, furodon 3G @8-12 kg/ha at 20&35 days after emergence. Spray cypermethrin 25%EC@ 2.0ml/l after 15-20 days of crop age. Aphids: Spraying of (metasystox) dimethoate (rebelate, dimethoate) 4EC @11 in 500l of water. Spray imidachloprid 0.5ml/l. Panicle worm: Spraying of monocrotophos 30EC @11 in 500l water. Spraying of cypermethrin 25%EC @2.0ml/l or Quinalphos @2ml/l of water. Grain mold: Spraying with aurifungin @2ml/l of water or captan + diathane M45 @2gm/l of water at 50% flowering stage.
9	Sowing window requirement to attain potential yield (zone wise)	Kharif crop should be sown after first break of monsoon rains i.e. in 1 <sup>st</sup> week of June to 3 <sup>rd</sup> week of July depending upon onset of monsoon. Delayed planting will lead to excessive pest build up and result in substantial yield loss. Rabi crop should be planted during September-October as per local practices but care should be taken that, flowering should not be coincided with low temperature. Low temperature along with frost may cause poor seed set on panicles.
10	Number of irrigation required to attain potential yield	Sorghum is a fairly drought resistant crop and it does very well in areas receiving 50cm well distributed rainfall. The most critical growth stages for irrigation are knee-height stage, flowering and grain filling stages at which the crop should be ensured for proper

		moisture conditions so that the crop does not suffer from moisture stress. Contrary to this in kharif crop an efficient drainage must be provided as the crop cannot tolerate water accumulation for more than few hours. Therefore, in low lying areas sowing of crop on 5-7cm high ridges or sowing in flat beds followed by light earthing is a remedy for stagnant water in the field.
11	The best growing season to attain the potential yield (zone wise)	Zone 2, Central India-during Kharif season (June-July), zone 3, South India-during rabi season (September-October).
12	Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	Since this is an inbred line used for seed production during rabi season at south zone.
13	Intercultural operations (including training, pruning and nipping)	Weed control: Weeds are not allowed to grow during the first 45 days of growth of sorghum plants as this is the most critical weed competition period. One hand weeding followed by two hoeing is recommended. Thinning: Thinning is a very important operation in jowar cultivation for maintaining desired plant population. Ensure 12-15cm plant to plant spacing in a row by thinning out extra plants at seedling stages. One thinning should be done 15-20 days after the emergence of seedlings. All small, weak and infested plants should be removed while thinning.
14	Any other relevant information specific to the variety/hybrid	Harvesting: Harvest all the heads from the plant, a week after the physiological maturity. Physiological maturity can be judged based on development of the black spot at the base of the grain. Delayed in harvesting effect on the grain & fodder. The safe moisture content of sorghum is a varietal factor but can normally be taken as 12-13 percent.
<b>Commercial attributes</b>		
1	Zone wise yield potential (average) per ac(q/ac) (if applicable)	NA (as this is regarding inbred line zone wise yield performance was not recorded).
2	Seed yield/ha (average)	1800-2200kg/ha

109. Application No. 

E5	PG10	07	68
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 filed on 22.05.2007 by M/s **Crystal Crop Protection Limited, B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052** for a Extant

(VCK) variety of crop **Pearl Millet** (*Pennisetum glaucum* (L.) R. Br.) having denomination **MIP-008** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : MIP-008  
**Applicant** : M/s Crystal Crop Protection Limited  
**Address of the applicant** : B-95, Wazirpur Industrial Area, Wazirpur, Delhi-110052  
Nationality of applicant : Mauritius  
**Application details**  
a. Number : 

E5	PG10	07	68
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b. Date of receipt : 22.05.2007  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Pearl Millet (*Pennisetum glaucum* (L.) R. Br.)  
Denomination : MIP-008  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred Line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : MLBB-9 x I-5111  
Source of parental material : Own germplasm  
Name of reference varieties : ICMB 92777

**Variety description:**

A. Grouping characteristics	Remarks (measured values)	
Plant: Time of spike emergence (Characteristic 3)	Late	
Anther: Colour (Characteristic 8)	Yellow	
Spike: Shape (Characteristic 19)	Conical	
Seed: Colour (Characteristic 24)	Grey	
Seed: Shape (Characteristic 25)	Globular	
<b>B. Distinct characteristics of candidate variety:</b> MIP-008 has distinguishing character as absent plant anthocyanin coloration of first leaf sheath, absent plant node pubescence, green plant internode pigmentation (between 3 <sup>rd</sup> & 4 <sup>th</sup> node from top) and grey seed colour.		
<b>C. Distinct characteristics of reference variety:</b> ICMB 92777 has distinguishing character as present plant anthocyanin coloration of first leaf sheath, present plant node pubescence, whitish plant internode pigmentation (between 3 <sup>rd</sup> & 4 <sup>th</sup> node from top) and grey brown seed colour.		
<b>D. Date of commercialization of the variety</b>	-	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to flowering	Medium

2	Production condition: suitable area in the country	Dry season: Millet hybrid seed production area of India. The seed multiplication require recommended isolation to get genetically pure seed.
3	Time of sowing	December-January
4	Irrigated/rainfed	Irrigated
5	Low fertility/high fertility	High fertility
6	Tolerance to disease and pests	Tolerant
7	Grain characters	
	d) Kernel size	Globular
	e) Seed lusture	Present
	f) Seed colour	Grey
8	Average zone wise yield potential (q/ac)	8 to 10
9	Average seed yield q/ha	20 to 25
10	1000 seed weight	8-10g
11	Any other relevant information specific to the variety/hybrid	This is a maintainer parent (isogenic line) and used for the female seed multiplication as a pollen parent. It is having very good tillers and short ear heads with attached flag leaf. Till physiological maturity the parent remains stay green.

**110.** Application No. 

E6	SM39	10	437
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-002** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-002  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E6	SM39	10	437
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : S-EP-002

Type of variety : Extant (VCK)  
 Classification of variety : Other (Inbred parent line)  
 Previously proposed : Not applicable  
 Denomination  
 Name of parental material : D-389  
 Source of parental material : Own germplasm  
 Name of reference varieties : Pusa Shree, Arka Kusumakar and BB-55

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Medium
Fruit: Diameter (Characteristic 21)		Medium
Fruit: General shape (Characteristic 23)		Obovate
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Absent
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> S-EP-002 has distinguishing character as purple flower colour, absent fruit stripes and weak fruit spininess of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Shree has distinguishing character as light purple flower colour, present fruit stripes and absent fruit spininess of calyx. Arka Kusumakar has distinguishing character as light purple flower colour, present fruit stripes and absent fruit spininess of calyx. BB-55 has distinguishing character as dark purple flower colour, absent fruit stripes and strong fruit spininess of calyx.		
<b>D. Date of commercialization of the variety</b>		06.08.2004
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi spreading
2	Days to flowering/anthesis (average)(days after seed sowing)	60-80 days
3	Days to maturity (average)(days after seed sowing)	70-90 days
4	Planting material/seed material requirement	50-60g/ac
5	Fertilizer requirement to attain potential yield and time of application	-
	Organic (per ac or per plant)	10-12 MT FYM/ac or 300-350kg/ac neem cake at the time of land preparation.
	Inorganic (per ac or per plant)	80kg N: 40kg P: 40kg K, apply 30%N, 50%P & 30%K as a basal dose. After 3 weeks of planting apply 15%N & 15%K as side

		dressing. After 6 weeks apply 15%N, 50%P & 15%K during earthing up. During harvesting time apply remaining 40%N & 40%K in two equal split.
	Other fertilizer (per ac or per plant)	-
6	Spacing (cm) requirement to attain potential yield	-
	Row to row	90cm
	Plant to plant	60cm
7	Soil requirement to attain potential yield	Prefers a soil that is deep, fertile, well drained, high in organic matter and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.
8	Plant protection measure to attain potential yield	<p>Diseases:</p> <p>Damping off: Use raised nursery beds, Avoid excess irrigation. Drench nursery beds with copper oxychloride or Captan (2g/l of water) or Metalaxyl 35WS(Mask) @2g/l. Powdery Mildew: Spray wettable Sulphur 80WP (Thiovit) @2.5g/l or Dinocap 48EC (Karathane) @30ml/10l of water. Phomopsis Fruit Rot: Seed treatment with Thiram 75SD (Seedon) @2g/kg of seed. Spray carbendazim 50WP (Bavistin) @2g/l or Mancozeb (2g/l of water) or Zineb (Dithane Z-78) @2g/l. Cercospora Leaf Spot: Spray carbendazim 50WP (Bavistin) @2g/l or Chlorothalonil 70WP (Kavach) @3g/l of water. Bacterial Wilt: Follow crop rotation, Grow resistant hybrids; need based drenching with Streptocycline @0.1g/l+Copperoxychloride 50WP (Blue copper) @3g/l. Fusarium and Verticillium Wilts: Follow crop rotation, need based drenching with Carbendazim 50WP (Bavistin) @2.5g/l + Hexaconazole 5EC (Contaf) @2.5ml/l.</p> <p>Pests:</p> <p>Shoot &amp; Fruit Borer: Prune drooping shoots. Spray Coragen (Rynaxypyr) @0.3ml/l or Fame (Flubendiamide) @0.2ml/l or Rimon (Novaluron) @1ml/l or Spintor (Spinosad) @0.75ml/l. Ash Weevil: Drench with Jump (Fipronil) @2ml/l or Monocrotophos (Nuvacron) @2ml/l on 10<sup>th</sup> and 30<sup>th</sup> day of</p>



		<p>planting by making 6 deep holes around plant base. Aphids &amp; sucking pests: Spray Oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l or Confidor (Imidacloprid) @0.4ml/l or Asataf (Acephate) @2g/l. Epilachna beetle: Dust carbaryl (Sevin) @4g/l. Mites: Spray Oberon (Spiromesifen) @0.4ml/l or Vertimec (Abamectin) @0.5ml/l or Omite (Propargite) @2ml/l. Root Knot Nematodes: Apply non edible oil cakes such as castor/pongamina/neem@750-100kg/ha or carbofuran(30kg/ha) or phorate (10kg/ha) to the soil before transplanting seedlings. Gall midge: Spray Econeem @2ml/l or Regent (Fipronil) @2ml/l or Confidor (Imidacloprid) @0.4 ml/l. TOSPO (peanut bud necrosis virus): virus spread by Thrips spp:</p> <ul style="list-style-type: none"> <li>• Raise nursery seedlings under insect proof condition by 40 mesh nylon net.</li> <li>• Remove infected plants at early stage to eradicate primary source of inoculums.</li> <li>• Regular spray with systemic insecticides to manage thrips by Confidor (Imidocloprid @0.4ml/l or Asataf (Acephate) 75SP @2g/l. Little leaf of brinjal: Spread by Leaf Hopper-Hishimonus phycitis.</li> <li>• Adopt sanitary measure including the eradication of susceptible volunteer crop plants.</li> <li>• Removal and destruction of infected plants. Use of barrier crop.</li> <li>• Spraying with systemic insecticides oshin (Dinotefuron) @1.25g/l or Ulala (Flonicamid) @0.3g/l.</li> </ul>
9	Sowing window requirement to attain potential yield (Zonewise)	<p>Arid zone: Kharif (June-July)  Semi arid zone subtropical: Kharif (June-July)  Humid subtropical: Kharif (June-July) &amp; rabi (October-December)  Tropical wet &amp; dry: Kharif (June-August) &amp; rabi (September-November)</p>

10	Number of Irrigation required to attain potential yield (Zonewise)	Depending on soil and weather conditions, irrigate the field once in 4-5 days for better crop growth and yield.
11	The best growing season to attain potential yield	Kharif & rabi seasons
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	Humid subtropical: Kharif season Semi-arid zone: Kharif season Tropical wet & dry: Kharif & rabi seasons
13	Any other relevant information specific to the variety/hybrid	Nil
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	120-130q/ac
2	Yield of fruit per plant (average)(kg)	2.0-2.3 kg

**111.** Application No. 

E36	SM1	10	369
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 filed on 23.12.2010 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **BJ 60210** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BJ 60210  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number : 

E36	SM1	10	369
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b. Date of receipt : 23.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)

Denomination : BJ 60210

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred parent line)

Previously proposed : Not applicable

Denomination

Name of parental material : B-41

Source of parental material : Own germplasm

Name of reference varieties : Swarna Prabha and DBL-329

**Variety Description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)		Short
Fruit: Diameter (Characteristic 21)		Large
Fruit: General shape (Characteristic 23)		Pear shaped
Fruit: Colour of skin at commercial harvesting (Characteristic 27)		Green
Fruit: Stripes (Characteristic 30)		Present
Fruit: Colour of calyx (Characteristic 35)		Green
<b>B. Distinct characteristics of candidate variety:</b> BJ 60210 has distinguishing character as medium fruit intensity of colour of calyx.		
<b>C. Distinct characteristics of reference varieties:</b> Swarna Prabha has distinguishing character as weak fruit intensity of colour of calyx. DBL-329 has distinguishing character as weak fruit intensity of colour of calyx.		
<b>D. Date of commercialization of the variety</b>		21.03.2003
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Plant type	Erect tall & hairy leaves non spiny
2	Fruit colour	Green+white stripes at blossom end
3	Fruit shape	Oblong
4	Calyx	Green non spiny
5	Fruit bearing	Solitary
6	Yield (tons/ha)	20-22 t/ha

112. Application No. 

E8	BB2	10	420
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) Variety of crop **Cauliflower** (*Brassica oleracea* var. botrytis) having denomination **SCF-5033** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA----

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SCF-5033  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E8	BB2	10	420
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Cauliflower (*Brassica oleracea* var. botrytis)  
Denomination : SCF-5033  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : SC-296  
Source of parental material : Own germplasm  
Name of reference varieties : Pusa Sharad and Pusa Hybrid-2

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Seedling anthocyanin colouration of hypocotyls (Characteristic 1)		Present
Curd covering by inner leaves (Characteristic 16)		Partly covered
Curd shape in longitudinal section (Characteristics 19)		Broad elliptic
Curd maturity group (Characteristic 26)		Mid early
<b>B. Distinct characteristics of candidate variety:</b> SCF-5033 has distinguishing character as erect leaf attitude.		
<b>C. Distinct characteristics of reference varieties:</b> Pusa Sharad has distinguishing character as semi-erect leaf attitude. PUSA Hybrid-2 has distinguishing character as semi-erect leaf attitude.		
<b>D. Date of commercialization of the variety</b>		Not commercialized
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Growth habit (determinate/Indeterminate)	Semi-erect
2	Days to flowering/anthesis (average)	-
3	Days to maturity (average)	65-70days
4	Planting material/Seed material requirement	150-200g/ac
5	Fertilizer requirement to attain potential yield and time of application	
	Organic (per ac or per plant)	10-12 ton FYM
	Inorganic (per ac or per plant)	65kg N:45kg P:35kg K
	Other fertilizer (per ac or per plant)	3-5kg mg
6	Spacing (cm) requirement to attain potential yield	
	Row to row	45cm
	Plant to plant	30cm
7	Soil requirement to attain potential yield	Light medium loamy and sandy loam soil
8	Plant protection measure to attain potential yield	Some important diseases are Downy mildew, Rhizoctonia, Alternaria. Sprays after 10-15 days of Dithane M-45 @1.5-2g/l of water or

		Daconil(kavach) @1-1.5g/l of water. For Black rot and soft rot sprays Streptocycline (0.01%) and control. Some important insect are Cabbage butterfly, DBM aphids and cutworms, sprays Polytrine-c @2ml/l or chloropyriphos @1.5-2ml/l of water.
9	Sowing window requirement to attain potential yield	1 August-20August
10	Number of Irrigation required to attain potential yield	Irrigation depending on the rain require 4-5 days interval as per season and soil type. After more rain drainage is must.
11	The best growing season to attain potential yield	Kharif
12	Cropping/climate zone of India in which the variety/hybrid trials were conducted	UP,HR,RJ,BR,PB
13	Any other relevant information specific to the variety/hybrid	Temperature fluctuation has important role for quality like button shape, green curd, grainy, very loose, ricey and fuzzy etc.
<b>Commercial Attribute</b>		
1	Yield potential (average) per acre (q/ac)	70-80q/ac
2	Yield of fruit per plant (average)(curd weight)	0.700-0.800kg

**113.** Application No. 

E4	LL25	10	491
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 filed on 28.12.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **FN-1902** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : FN-1902  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034.

Nationality of applicant : Indian

**Application details**

E4	LL25	10	491
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a. Number :  
b. Date of receipt : 28.12.2010  
c. Date of acceptance : --

Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)

Denomination : FN-1902  
 Type of variety : Extant (VCK)  
 Classification of variety : Other (Parental line)  
 Previously proposed : Not applicable  
 Denomination :  
 Name of parental material : BA-1902 (NTH-7611 x CA-1131)  
 Source of parental material : Own germplasm  
 Name of reference varieties : ARKA AHUTI and PUNJAB CHHUHARA

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant : Growth type (Characteristic 3)		Determinate
Leaf : Serration (Characteristic 12)		Less serrated
Fruit : Green shoulder (before maturity) (Characteristic 29)		Absent
Fruit : Shape in longitudinal section (Characteristic 33)		Pear shaped
Fruit : Colour at maturity (Characteristic 43)		Red
<b>B. Distinct characteristics of candidate variety:</b> <b>FN-1902</b> has distinguishing character as short leaf length and absent flower fasciations (1 <sup>st</sup> flower of inflorescence).		
<b>C. Distinct characteristics of reference varieties:</b> <b>ARKA AHUTI</b> has distinguishing character as medium leaf length and present flower fasciations (1 <sup>st</sup> flower of inflorescence). <b>PUNJAB CHHUHARA</b> has distinguishing character as long leaf length and present flower fasciations (1 <sup>st</sup> flower of inflorescence).		
<b>D. Date of commercialization of the variety</b>		09.08.2009
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: Early/medium/late	Early
2	Production condition: Suitability area in the country	UP,UK,Rajasthan,WB,Chhattisgarh,Jharkhand
	Time of sowing	October-February
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility of soil
3	Tolerance to adverse temperature/frost/heat-sensitive/tolerance	Heat tolerance
4	Tolerance to water stagnation: Sensitive/tolerant	Sensitive
5	Resistance/tolerance to pest/s	Tolerance
6	Staking & pruning practices	Based on local agronomy
7	Winter-spring cropping seasons type	Winter/spring
8	Fruit yield q/ha	450-500

9	Fruit yield/plant (kg/ha)(average)	4-5kg/plant
10	Fruit quality and fruit firmness	Very good fruit quality/firmness
11	Fruit picking schedule	Every 3 <sup>rd</sup> day
12	Transport potential (days)	10-12 days
13	Unique selling propositions and optimal shelf-life (days)	Fruit quality and uniformity
14	Any other relevant information specific to the variety/hybrid	High heat set with good quality fruit

**114.** Application No. 

E5	LL20	10	480
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 filed on 28.12.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a Extant (VCK) Variety of crop **Tomato** (*Solanum lycopersicum* L.) having denomination **BA-1028** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : BA-1028  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034.

Nationality of applicant : Indian

**Application details**

a. Number : 

E5	LL20	10	480
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b. Date of receipt : 28.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Tomato (*Solanum lycopersicum* L.)  
Denomination : BA-1028  
Type of variety : Extant (VCK)  
Classification of variety : Other (Parental line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : BA-1028 (PDL-101 x NTH-211)  
Source of parental material : Own germplasm  
Name of reference varieties : PANT T-3, SIOUX and Lakshmi (5005)

**Variety description:**

A. Grouping characteristics	Remarks (measured values)
Plant : Growth type (Characteristic 3)	Indeterminate
Leaf : Serration (Characteristic 12)	Highly serrated

Fruit : Green shoulder (before maturity) (Characteristic 29)	Absent	
Fruit : Shape in longitudinal section (Characteristic 33)	Slightly flattened	
Fruit : Colour at maturity (Characteristic 43)	Red	
<b>B. Distinct characteristics of candidate variety:</b> <b>BA-1028</b> has distinguishing character as highly serrated leaflet serration.		
<b>C. Distinct characteristics of reference varieties:</b> <b>PANT T-3</b> has distinguishing character as less serrated leaflet serration. <b>SIOUX</b> has distinguishing character as less serrated leaflet serration. <b>Lakshmi (5005)</b> has distinguishing character as less serrated leaflet serration.		
<b>D. Date of commercialization of the variety</b>	09.08.2009	
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: Early/medium/late	Medium
2	Production condition: Suitability area in the country	UP,Haryana,UK,Rajasthan,HP&Punjab
	Time of sowing	October-February
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility of soil
3	Tolerance to adverse temperature/frost/heat-sensitive/tolerance	Heat tolerance
4	Tolerance to water stagnation: Sensitive/tolerant	Sensitive
5	Resistance/tolerance to pest/s	Tolerance
6	Staking & pruning practices	Based on local agronomy
7	Winter-spring cropping seasons type	Winter/spring
8	Fruit yield q/ac	320-360
9	Fruit yield/plant (kg/ha)(average)	7-8kg/plant
10	Fruit quality and fruit firmness	Very good fruit quality/firmness
11	Fruit picking schedule	Every 3 <sup>rd</sup> day
12	Transport potential (days)	12-15 days
13	Unique selling propositions and optimal shelf-life (days)	Fruit quality and uniformity
14	Any other relevant information specific to the variety/hybrid	In determinate type

115. Application No. 

E24	SB4	7	9
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 filed on 21.05.2007 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a Extant(VCK) Variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **J 1119** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----  
-NA -----on ----- NA -----.



The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : J 1119  
**Applicant** : Maharashtra Hybrid Seeds Company Limited  
**Address of the applicant** : Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra

Nationality of applicant : Indian

**Application details**

a. Number	:	E24	SB4	7	9
b. Date of receipt	:	21.05.2007			
c. Date of acceptance	:	--			
Crop (taxonomical lineage)	:	Sorghum ( <i>Sorghum bicolor</i> (L.) Moench)			
Denomination	:	J 1119			
Type of variety	:	Extant (VCK)			
Classification of variety	:	Typical			
Previously proposed	:	Not applicable			
Denomination	:	SMS 36 x 308			
Name of parental material	:	Own germplasm			
Source of parental material	:	P.DHAGADI and SURAT-1			

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)		Medium
Plant total height (Characteristics 18)		Medium
Panicle shape (Characteristics 27)		Panicle broader in lower part
Caryopsis colour after threshing (Characteristics 33)		Yellow white
<b>B. Distinct characteristics of candidate variety:</b> J 1119 has distinguishing character as yellow green leaf sheath anthocyanin colouration and medium plant total height.		
<b>C. Distinct characteristics of reference varieties:</b> P.DHAGADI has distinguishing character as grayed purple leaf sheath anthocyanin colouration and very long plant total height. SURAT-1 has distinguishing character as grayed purple leaf sheath anthocyanin colouration and very long plant total height.		
<b>D. Date of commercialization of the variety</b>		28.06.2000
<b>E. Agronomic and commercial attributes</b>		
S.No.	Attributes	Details
1	Days to maturity: Early/medium/late	Medium
2	Production condition: Suitability area in the country	Sorghum seed production area of the country

3	Time of sowing	First fortnight of June
4	Irrigated/rainfed	Irrigated
5	Low fertility/high fertility of soil	Medium to high fertility of soil
6	Tolerance to disease & pests	Moderate tolerant using integrated pest and disease management
7	Tolerance to adverse temperature/frost/heat&salinity	Not available
8	Grain characters: Seed luster (present/absent)	Seed luster: Present Seed colour: White
9	Zone wise yield potential (average) per ac (q/ac)	Not applicable as it is an inbred parent
10	Seed yield q/ac (average)	6-8q/ac
11	Seed: weight (100 seed weight in g)	2.6-3.2g
12	Any other relevant information specific to the variety/hybrid	-

116. Application No. 

E31	SB55	9	475
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 filed on 03.11.2009 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana.** for a Extant(VCK) Variety of crop **Sorghum** (*Sorghum bicolor* (L.) Moench) having denomination **NS-509A** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NS-509A  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

Nationality of applicant : Indian

**Application details**

E31	SB55	9	475
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a. Number :

b. Date of receipt : 03.11.2009

c. Date of acceptance : --

Crop (taxonomical lineage) : Sorghum (*Sorghum bicolor* (L.) Moench)

Denomination : NS-509A

Type of variety : Extant (VCK)

Classification of variety : Other (Inbred Parent Line)

Previously proposed : Not applicable

Denomination

Name of parental material : 296A (Cytoplasm donor) X NS 509B

Source of parental material : Own germplasm  
 Name of reference varieties : MS 27A and 296A

**Variety description:**

<b>A. Grouping characteristics</b>		<b>Remarks (measured values)</b>
Plant time of panicle emergence (50% of the plants with complete panicle emergence) (Characteristics 4)		Early
Plant total height (Characteristics 18)		-
Panicle shape (Characteristics 27)		Symmetric
Caryopsis colour after threshing (Characteristics 33)		-
<b>B. Distinct characteristics of candidate variety:</b> NS-509A has distinguishing character as medium panicle length without peduncle.		
<b>C. Distinct characteristics of reference varieties:</b> MS 27A has distinguishing character as long panicle length without peduncle. 296A has distinguishing character as long panicle length without peduncle.		
<b>D. Date of commercialization of the variety</b>		10.11.1997
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to maturity: Early/medium/late	Medium
2	Production condition: Suitability area in the country	-
3	Time of sowing	Onset of Monsoon (June-July)
	Irrigated/rainfed	Rainfed & irrigated
	Low fertility/high fertility of soil	Low/high fertility of soil
4	Tolerance to disease & pests	Tolerant to grai mould & aphids
5	Tolerance to adverse temperature/frost/heat&salinity	Salinity tolerant
6	Grain characters	
	Physical:	
	a) Kernel size (cm)	20-25cm
	b) Seed luster (present/absent)	Present
	c) Seed colour	Pearly white
7	Zone wise yield potential (average) per ac (q/ac)	18-22q/ac
8	Seed yield q/ac (average)	16-20 q/ac
	Seed: weight (100 seed weight in g)	2.8g
	Any other relevant information specific to the variety/hybrid	-

117. Application No. 

E7	SM41	10	439
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 filed on 27.12.2010 by **Sungro Seeds Private Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088** for a Extant (VCK) variety of crop **Brinjal** (*Solanum melongena* L.) having denomination **S-EP-047** the specification includes its drawing and or photograph(s) of

which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : S-EP-047  
**Applicant** : Sungro Seeds Private Limited  
**Address of the applicant** : 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

E7	SM41	10	439
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b. Date of receipt : 27.12.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Brinjal (*Solanum melongena* L.)  
Denomination : S-EP-047  
Type of variety : Extant (VCK)  
Classification of variety : Other (Inbred parent line)  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : OB-313  
Source of parental material : Own germplasm  
Name of reference varieties : PUSA PURPLE CLUSTER, ARKA NEELKANTH and PPL

**Variety Description:**

<b>A. Grouping characteristics</b>	<b>Remarks (measured values)</b>
Fruit: Length (Characteristic 20)	Medium
Fruit: Diameter (Characteristic 21)	Small
Fruit: General shape (Characteristic 23)	Cylindrical
Fruit: Colour of skin at commercial harvesting (Characteristic 27)	Purple
Fruit: Stripes (Characteristic 30)	Absent
Fruit: Colour of calyx (Characteristic 35)	Purple
<b>B. Distinct characteristics of candidate variety:</b> S-EP-047 has distinguishing character as purple fruit colour of calyx and cluster fruiting pattern.	
<b>C. Distinct characteristics of reference varieties:</b> <b>PUSA PURPLE CLUSTER</b> has distinguishing character as green fruit colour of calyx and solitary fruiting pattern. <b>ARKA NEELKANTH</b> has distinguishing character as green fruit colour of calyx and solitary fruiting pattern. <b>PPL</b> has distinguishing character as green fruit colour of calyx and solitary fruiting pattern.	
<b>D. Date of commercialization of the variety</b>	18.05.2007
<b>E. Agronomic and commercial attributes</b>	

S.No.	Attributes	Details
1	Days to maturity: Early/medium/late	Late
2	Production condition: Suitability area in the country	CG,WB,OD,AS,AP
	Time of sowing	Kharif (June-July) & Rabi (October-November)
	Irrigated/rainfed	Irrigated
	Low fertility/high fertility of soil	High fertility
3	Tolerance to adverse temperature/frost/heat&salinity	Salinity to frost and heat
4	Tolerance to water stagnation: Sensitive/tolerant	Sensitive
5	Resistance/tolerance to pests	Tolerant to bacterial wilt, susceptible to verticillium & fusarium wilt
6	Winter-spring cropping season type	Kharif (June-July sowing), Rabi (October-November) sowing
7	Fruit yield q/ac	80-100 q/ac
8	Fruit yield/plant (kg/ha) (average)	(1.25-1.5 kg/plant), 20000-25000 kg/ha
9	Fruit picking schedule	Weekly after 70 DAT
10	Transport potential (days)	3-5 days
11	Optimal shelf-life (No. of days)	4-5 days
12	Any other relevant information specific to the variety/hybrid	Prefers a soil that is deep, fertile, well drained, high in organic matter, and has a pH of 5.5 to 6.8. A sandy loam soil is ideal when an early yield is desired. Heavy clay and saturated soils should be avoided due to the build-up of root-rotting disease.

118. Application No. 

E21	GH82	10	184
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 filed on 22.06.2010 by **JK Agri Genetics Ltd, 1-10-177, 4<sup>th</sup> floor Varun Towers, Begumpet, Hyderabad-500082** for Extant variety (Variety of Common Knowledge) of crop **Tetraploid cotton (*Gossypium hirsutum* L.)** having denomination **JKC 611** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKC 611  
**Applicant** : JK AGRI GENETICS Ltd.  
**Address of the applicant** : 1-10-177, 4<sup>th</sup> floor varun towers, Begumpet, Hyderabad-500082  
 Nationality of applicant : Indian  
**Application details**  
     A. Number : 

E21	GH82	10	184
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     B. Date of receipt : 22.06.2010  
     C. Date of acceptance : --  
 Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
 Denomination : JKC 611  
 Type of variety : Extant  
 Classification of variety : Typical  
 Previously proposed denomination : Not applicable  
 Name of parental material : (JKX 10 x JKX 14) x (MCU-5 x LK 861)  
 Source of parental material : Own germplasm.  
 Name of reference varieties : J 34 & F 1378

**Variety Description:**

<b>A. Grouping characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct characteristics of candidate variety:</b> JKC 611 has distinguishing character as plant height: semi dwarf	
<b>C. Distinct characteristics of reference varieties:</b> J 34 and F 1378 have distinguishing character as plant height: medium tall	
<b>D. Date of commercialization of the variety</b>	22.04.2003
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	Medium (55-60 days)

Days to physiological maturity (Average)	150-160 days
Seed rate per acre	1-2 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	4 tons FYM
Inorganic (per ha)	120: 60: 60 NPK kg/ha irrigated 80: 40: 40 NPK kg/ha rainfed
Spacing (cm) requirement to attain potential yield	
Row to row	90
Plant to plant	90
Sowing window requirement to attain potential yield	15 <sup>th</sup> June to 15 <sup>th</sup> July
Soil requirements to attain the potential yield	Heavy clay to light sandy soils
Number of irrigations required to attain potential yield	Irrigation should be given at an interval of 20-25 days
The best growing season to attain the potential yield (Zone-wise)	<i>kharif</i>
Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	--
Intercultural operations (including training, pruning & nipping)	Deep ploughing in earlier stage of the crop whereas shallow ploughing in later stage of the crop.
Any other relevant information specific to the variety	Suitable for the rainfed and irrigated, highly respond to added fertilizers.
Commercial attributes	Details
Yield of Kapas/acre (Average)	2-2.5q/ac
Yield of Lint/acre (Average)	0.7-0.8q/ac

119. Application No. 

E1	GB1	10	186
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 filed on 22.06.2010 by **JK Agri Genetics LTD, 1-10-177, 4<sup>th</sup> Floor Varun Towers, Begumpet, Hyderabad-500082** for **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton (*Gossypium barbedense* L.)** having denomination **JKC 612** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKC 612  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 1-10-177, 4<sup>th</sup> floor Varun Towers, Begumpet, Hyderabad-500082  
Nationality of applicant : Indian  
**Application details**  
A. Number : 

E1	GB1	10	186
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B. Date of receipt : 22.06.2010  
C. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium barbadense* L.)  
Denomination : JKC 612  
Type of variety : Extant  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : JKBX 22 x JKBX 10  
Source of parental material : Own Germplasm.  
Name of reference varieties : Suvin and Sujata

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Semi digitate
Flower : Petal colour (Characteristic 15)	Deep yellow
Flower : Pollen colour (Characteristic 19)	Deep yellow
Boll : Shape (Characteristic 23)	Elliptic



Fibre : Length (Characteristic 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b> JKC 612 has distinguishing character as boll weight of seed cotton/boll : very small	
<b>C. Distinct characteristics of reference varieties:</b> Suvin and Sujata have distinguishing character as boll weight of seed cotton/boll : medium	
<b>D. Date of commercialization of the variety</b>	25.07.2008
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	Medium (55-60 days)
Days to physiological maturity (Average)	155-160 days
Seed rate per acre	1– 2 kg/acre
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	4 tons FYM
Inorganic (per ha)	120 : 60 : 60 NPK kg/ha irrigated 80: 40 : 40 NPK kg/ha rainfed
Spacing (cm) requirement to attain potential yield	
Row to row	90
Plant to plant	60
Sowing window requirement to attain potential yield	15 <sup>th</sup> June to 15 <sup>th</sup> July
Soil requirements to attain the potential yield	Heavy clay to light sandy soils
Number of irrigations required to attain potential yield	Irrigation should be given at an interval of 20-25 days
The best growing season to attain the potential yield (Zone-wise)	<i>kharif</i>

Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	
Intercultural operations (including training, pruning & nipping)	Deep ploughing in earlier stage of the crop whereas shallow ploughing in later stage of the crop.
Any other relevant information specific to the variety	Suitable for the rainfed and irrigated, highly respond to added fertilizers.
<b>Commercial attributes</b>	<b>Details</b>
Yield of Kapas/acre (Average)	1.5-2.0 q/ ac
Yield of Lint/acre (Average)	0.5-0.7 q/ac

120. Application No. 

E23	GH84	10	187
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 filed on 22.06.2010 by **JK Agri Genetics Ltd, 1-10-177, 4<sup>th</sup> floor Varun Towers, Begumpet, Hyderabad-500082** for Extant variety (Variety of Common Knowledge) of crop **Tetraploid cotton (*Gossypium hirsutum* L.)** having denomination **JKC 721** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : JKC 721  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 1-10-177, 4th floor varun towers, Begumpet, Hyderabad-500082  
Nationality of applicant : Indian  
**Application details**  
A. Number : 

E23	GH84	10	187
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B. Date of receipt : 22.06.2010  
C. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
Denomination : JKC 721  
Type of variety : Extant (VCK)

Classification of variety : Typical  
 Previously proposed denomination : Not applicable  
 Name of parental material : (JKX 10 x JKX 14) x (MCU-5 x LK 861)  
 Source of parental material : Own Germplasm.  
 Name of reference varieties : Kanchana and Supriya

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> JKC 721 has distinguishing character as plant growth habit: spreading	
<b>C. Distinct characteristics of reference varieties:</b> Kanchana & Supriya has have distinguishing character as plant growth habit: semi-spreading	
<b>D. Date of commercialization of the variety</b>	09.04.2003
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	Medium (50-56 days)
Days to physiological maturity (Average)	140-155 days
Seed rate per acre	1– 2.2 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	04 tons
Inorganic (per ha)	120 : 60 : 60 NPK Kg/ha irrigated 80: 40 : 40 NPK Kg/ha rainfed
Spacing (cm) requirement to attain potential yield	
Row to row	90

Plant to plant	90
Sowing window requirement to attain potential yield	15 <sup>th</sup> June to 15 <sup>th</sup> July
Soil requirements to attain the potential yield	Heavy clay to light sandy soils
Number of irrigations required to attain potential yield	Irrigation should be given at an interval of 20-25 days
The best growing season to attain the potential yield (Zonewise)	<i>kharif</i>
Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	
Intercultural operations (including training, pruning & nipping)	Deep ploughing in earlier stage of the crop whereas shallow ploughing in later stage of the crop.
Any other relevant information specific to the variety	Suitable for the rainfed and irrigated, highly respond to added fertilizers.
<b>Commercial attributes</b>	<b>Details</b>
Yield of Kapas/acre (Average)	1.6-2.0 q/ac
Yield of Lint/acre (Average)	0.5-0.6 q/ac

121. Application No. 

E3	GH	11	251
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 filed on 25.05.2011 by **Rasi Seeds Private Limited, 273, Kamarajanar Road, Attur, Salem (Dt) ,Tamil Nadu, Pin-636102** for **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton (*Gossypium hirsutum* L.)** having denomination **RCH-134 BG II** has been accepted and given registration number -----  
---NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : RCH-134 BG II  
**Applicant** : Rasi Seeds Private Limited.  
**Address of the applicant** : 273, Kamarajanar Road, Attur , Salem (Dt), Tamil Nadu, Pin-636102  
 Nationality of applicant : Indian  
**Application details**  
     A. Number : 

E3	GH	11	251
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     B. Date of receipt : 25.05.2011  
     C. Date of acceptance : --  
 Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
 Denomination : RCH-134 BG II  
 Type of variety : VCK  
 Classification of variety : Other (parental line)  
 Previously proposed denomination : Not applicable  
 Name of parental material : RC 219 x RC 65 YC  
 Source of parental material : Own germplasm.  
 Name of reference varieties : JG. COT 18 & Khandwa 2

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length(Characteristic 33)	long
<b>B. Distinct characteristics of candidate variety:</b> RCH-134 BG II has distinguishing character as Ginning % : very high	
<b>C. Distinct characteristics of reference varieties:</b> JG. COT 18 & Khandwa 2 have distinguishing character as Seed index and Ginning %: high.	
<b>D. Date of commercialization of the variety</b>	14.04.2008
<b>E. Agronomic and commercial attributes</b>	
Agronomic attributes	Details
Plant habit	Tall, Bushy
Plant height	140-170 cm

Duration	160-180 days
Leaf	Normal, broad lobes, green , sparsely hairy
Boll shape	Ovate
Boll weight	3.5-4.5 g
Seed	Fuzzy
GP	36-37.5 unit
Fibre Characteristics	
Staple Length	26.5 - 28.5 mm
Strength	22-23 g /tex
Micronaire	4.0- 4.5
Pest and Disease Reaction	
Jassids	Moderately Tolerant
Thrips	Moderately Tolerant
BLB	Moderately Tolerant
Yield/ha	10-30q (Depending upon soil and irrigation management)

122. Application No. 

E30	GH47	12	284
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 filed on 29.06.2012 by **Prabhat Agri Biotech Ltd, 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for Extant variety (Variety of Common Knowledge) of crop **Tetraploid cotton (*Gossypium hirsutum* L.)** having denomination **PC-P1512** has been accepted and given registration number -----NA ----  
-----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PC-P1512  
**Applicant** : Prabhat Agri Biotech Ltd.  
**Address of the applicant** : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

**Application details**

A. Number : 

E30	GH47	12	284
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B. Date of receipt : 29.06.2012

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : PC-P1512

Type of variety : Extant (VCK)

Classification of variety : Other (parental line)

Previously proposed denomination : Not applicable

Name of parental material : HLS 329 x (PCGP-304 x PCGP-317)

Source of parental material : Own germplasm.

Name of reference varieties : J 34 & L 604

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal (Palmate)
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct characteristics of candidate variety:</b> PC-P1512 has distinguishing character as Leaf hairiness: Dense	
<b>C. Distinct characteristics of reference varieties:</b> J 34 and L 604 have distinguishing character as Leaf hairiness: Medium	
<b>D. Date of commercialization of the variety</b>	04.05.2004
<b>E. Agronomic and commercial attributes</b>	

<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Semi-spreading (31-60 cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2 – 3 kg/ac
<b>Recommended Nutrition/acre schedule to attain potential yield and time of application</b>	
Organic (per acre)	5-10 tons
Inorganic (per ha)	75 : 35 : 35 NPK Kg/ha irrigated 25: 25 : 25 NPK Kg/ha rainfed
Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of 90 x 60 cm or 90 x 45cm
Row to row	
Plant to plant	
Soil requirements to attain the potential yield	Alluvial soils and black clay
Number of irrigations required to attain potential yield	8-10 irrigation
The best growing season to attain the potential yield (Zone-wise)	South zone and Central zone: <i>kharif</i>
Cropping/climatic zone of India in which the varietal/hybrid trials were conducted	South and Central zone
Intercultural operations (including training, pruning & nipping)	Hoeing and hand weeding
<b>Commercial attributes</b>	<b>Details</b>
Yield of Kapas/acre (Average)	6-8 q/ac, irrigated 4-6 q/ac, rainfed
Yield of Lint/acre (Average)	2.5-3.0 q/ac, irrigated 1.5-2.0 q/ac, rainfed



Quality characteristics of the candidate variety	
Colour	White
Ginning (%)	Very low (<30)
Fibre length	Long (25-27.0 mm) in the guideline it is medium long
Fibre strength	Strong (21.0-24.0g/tex) in the guideline it is medium
Fineness (Micronaire value)	Fine (3.0-3.9)
Uniformity (%)	Excellent (>47)
Maturity (%)	Very good (>81)
Reaction against major diseases and pests	Tolerant to jassids and moderate tolerance to thrips

123. Application No. 

E409	GH22	8	248
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 filed on 02.04.2008 by Maharashtra Hybrid Seeds Company Limited, **Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **C 5618** the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : C 5618  
**Applicant** : Maharashtra Hybrid Seeds Company Limited.  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020

Nationality of applicant : Indian

**Application details**

E409	GH22	8	248
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A. Number :  
 B. Date of receipt : 02.04.2008  
 C. Date of acceptance : --  
 Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
 Denomination : C 5618  
 Type of variety : Extant (VCK)  
 Classification of variety : Transgenic  
 Previously proposed denomination : Not applicable  
 Name of parental material : C 5618 x MTC 531.90  
 Source of parental material : Own germplasm.  
 Name of reference varieties : NH 545 & G Cot 18

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> C 5618 has distinguishing character as hairiness on leaf: Medium	
<b>C. Distinct characteristics reference varieties:</b> NH 545 & G Cot 18 have distinguishing character as hairiness on leaf: Sparse	
<b>D. Date of commercialization of the variety</b>	18.04.2005
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	Medium
Days to physiological maturity (Average)	160-165 days
Seed rate per acre	1-1.5kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	

Organic (per acre)	4-5 tons
Inorganic (per ha)	48:24:24 NPK kg/ac
Spacing (cm) requirement to attain potential yield	
Row to row	90cm Irrigated 90cm Rainfed
Plant to plant	60cm Irrigated 45cm Rainfed
Soil requirements to attain the potential yield	Medium to heavy black soil
Number of irrigations required to attain potential yield	4-5 irrigation
The best growing season to attain the potential yield (Zonewise)	Central and south zone: <i>kharif</i>
Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	Central and South zone
Intercultural operations (including training, pruning & nipping)	2-4 hoeing and 3-4 hand weeding
<b>Commercial attributes</b>	<b>Details</b>
Yield of Kapas/acre (Average)	5-6 q/ac
Yield of Lint/acre (Average)	1.8-2.0 q/ac

124. Application No. 

N151	GB7	8	543
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 filed on 30.11.2008 by **Nuziveedu Seeds Ltd, NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034** for New variety of crop **Tetraploid cotton** (*Gossypium barbadense* L) having denomination **NCHB 945 Bt** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on ----- NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : NCHB 945 Bt  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

Nationality of applicant : Indian

**Application details**

a. Number	N151	GB7	8	543
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b. Date of receipt : 30.12.2008  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium barbadense* L.)  
Denomination : NCHB 945 Bt  
Type of variety : New  
Classification of variety : Typical & Transgenic  
Previously proposed Denomination : Not applicable  
Name of parental material : NC 1126 x NC 105  
Source of parental material : M/s. Nuziveedu Seeds Ltd.  
Name of reference varieties : SUVIN & SUJATHA

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Digitate
Flower : Petal colour (Characteristic 15)	Deep yellow
Flower : Pollen colour (Characteristic 19)	Deep yellow
Boll : Shape (Characteristic 23)	Elliptic
Fibre : Length (Characteristic 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b>	
NCHB 945 Bt has distinguishing character as Flower: Petal colour-Yellow, Seed: Fuzz-Medium and Fibre: Length (2.5 % span length) (mm)-Extra long.	
<b>C. Distinct characteristics of reference varieties:</b>	
SUVIN has distinguishing character as Flower: Petal colour-Deep Yellow, Seed: Fuzz-Naked	
SUJATHA has distinguishing character as Seed: Fuzz-Naked and Fibre: Length (2.5% span length) (mm)-long	

<b>D. Date of reported commercialization of the variety</b>	29.05.2009
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	160-170 days
Seed rate per acre	750g-1.0 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per acre)	5-10 q/ac
Inorganic (Per acre)	150 : 75 : 75 kg/ac Irrigated 120 : 60 : 60 kg/ac Rainfed
The best growing season to attain the potential yield (Zonewise)	<i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	Central and South zone
Intercultural operations (including Training, Prunning & Nipping)	Hoeing and hand weeding.
Yield of Kapas/ha (Average)	10-12q/ac (Irrigated) 5-6q/ac (Rainfed)
Yield of lint/ha (Average)	3-4q/ac (Irrigated) 1.5-2.0q/ac (Rainfed)
Quality characteristics of the variety	Ginning (%) - medium (33-34), Fibre length: extra long (>32.5 mm), Strength: 25.0-28.0 g/tex, Micronaire: fine (3.0-3.9), Uniformity (%): average (44-45), Maturity (%): very good (>81) and color: white
Reaction against major diseases and pests	Tolerant to jassids and whiteflies.

125. Application No. 

N3	GH4	9	21
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 filed on 28.01.2009 by **Kaveri Seed Company Ltd, #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003** for New variety of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **KCS-89 BGII** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : KCS-89 BGII  
**Applicant** : Kaveri Seed Company Ltd.  
**Address of the applicant** : #513-B, 5<sup>th</sup> Floor, Minerva Complex, SD Road, Secunderabad-500003

Nationality of applicant : Indian

**Application details**

a. Number	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="padding: 2px 10px;">N3</td><td style="padding: 2px 10px;">GH4</td><td style="padding: 2px 10px;">9</td><td style="padding: 2px 10px;">21</td></tr></table>	N3	GH4	9	21
N3	GH4	9	21		
b. Date of receipt	: 28.01.2009				
c. Date of acceptance	: --				
Crop (Taxonomical Lineage)	: Tetraploid cotton [ <i>Gossypium hirsutum</i> L.]				
denomination	: KCS-89 BGII				
Type of variety	: New				
Classification of variety	: Typical & Transgenic				
Previously proposed					
Denomination	: Not applicable				
Name of parental material	: KCS 20 x JC 175				
Source of parental material	: M/s. Kaveri Seed Company Ltd.				
Name of reference varieties	: MCU 12 & MCU 5 VT				

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round

Fibre : Length (Characteristic 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b> KCS-89 BGII has distinguishing character as Boll: Shape (longitudinal section): Round	
<b>C. Distinct characteristics of reference varieties:</b> MCU 12 & MCU 5 VT has distinguishing character as Boll: Shape (longitudinal section): Ovate	
<b>D. Date of reported commercialization of the variety</b>	--
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	57 days
Days to physiological maturity (Average)	165 days
Seed rate per acre	900 g/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per ha)	400 kg/ha
Inorganic (Per ha)	100:50:50 kg/ha
Spacing (cms) requirement to attain potential yield	
Row to Row	90cm
Plant to Plant	60cm
Soil requirement to attain potential yield	Alluvial, loamy and black soils
The best growing season to attain the potential yield (Zonewise)	<i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	Central and South zone
Intercultural operations (including Training, Pruning & Nipping)	3-4 hoeing at 15-20 days interval for removing weeds.
Yield of Kapas/ha (Average)	11-12q/ha
Yield of lint/ha (Average)	6-7q/ha

Any other relevant information specific to the variety/ hybrid	Topping may be done in case of high growth
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126. Application No. 

E75	GH87	9	191
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 filed on 22.04.2009 by **Nuziveedu Seeds Ltd, NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034** for **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC-161** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no----- NA-----, in respect of the said variety has been filed on ----- NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : **NC-161**  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

**Nationality of applicant** : Indian

**Application details**

A. Number : 

E75	GH87	9	191
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B. Date of receipt : 22.04.2009

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : NC-161

Type of variety : Extant

Classification of variety : Other (Parental Line)

Previously proposed denomination : Not applicable

Name of parental material : BN x (NCGP-626 x RST 9)

Source of parental material : M/s. Nuziveedu Seeds Ltd.

Name of Reference Varieties : Sahana & Supriya

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
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Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b>	
NC-161 has distinguishing character as Flower: Pollen colour: Cream	
<b>C. Distinct characteristics of reference varieties:</b>	
Sahana has distinguishing character as Flower: Pollen colour: Yellow	
Supriya has distinguishing character as Flower: Pollen colour: Deep Yellow	
<b>D. Date of reported commercialization of the variety</b>	01.06.2003
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60 cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60days)
Days to physiological maturity (Average)	150-165days
Seed rate per acre	2-3 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons/ac
Inorganic (Per Acre)	75:35:35 NPK kg/ac
Spacing (cms) requirement to attain potential yield	
Row to Row	75-90cm
Plant to Plant	35-60cm
The best growing season to attain the potential yield (Zonewise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone

Intercultural operations (including Training, Prunning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	7-9q/ac- irrigated & 5-6q/ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.4-3.1q/ac - irrigated, 1.7-2.1q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning- high (35-36), Fibre length: medium long (27.5-32.0 mm), Strength: medium (25.0-28.0 g/tex), Micronaire: fine (>3.0), Uniformity (%): Excellent (>47), Maturity: good (66-80) and color: white.
Reaction against major diseases and pests	Tolerance to cotton leaf curls virus disease and moderate tolerate whiteflies

127. Application No. 

E76	GH88	9	192
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 filed on 22.04.2009 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC-166** has been accepted and given registration number -----NA -----on ----- - NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on ----- NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

Passport data of the variety : NC-166  
Applicant : Nuziveedu Seeds Ltd.  
Address of the applicant : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

Nationality of applicant : Indian

**Application details**

a. Number : 

E76	GH88	9	192
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b. Date of receipt : 22.04.2009

c. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : NC-166

Type of variety : Extant  
 Classification of variety : Other (Parental Line)  
 Previously proposed  
 Denomination : Not applicable  
 Name of parental material : (NCGP-630 x ABADHITA)  
 Source of parental material : Nuziveedu Seeds Ltd. Abadhita is in public domain  
 Name of reference varieties : MCU 11 & Narasimha

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> NC-166 has distinguishing character as Leaf: Colour: Light green	
<b>C. Distinct characteristics of Reference varieties:</b> MCU 11 & Narasimha has distinguishing character as Leaf: Colour: Green	
<b>D. Date of reported commercialization of the variety</b>	15.07.1999
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 kg /ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons /ac
Inorganic (Per Acre)	75 : 35 : 35 NPK kg/ac
The best growing season to attain the potential yield (Zonewise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone

Intercultural operations (including Training, Pruning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	5-7 q/ac- irrigated & 3-5 q/ac- rainfed (South and central)
Yield of Lint/Acre (Average)	1.5-2.2 q/ac - irrigated, 1.0-1.5 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning (%) - low (31-32), Fibre length: long (27.5-32.0 mm), Strength: strong (25.0-28.0 g/tex), Micronaire value: fine (3.0-3.9), Uniformity (%): excellent (>47), Maturity (%): very good (>81) and color: white.

**128.** Application No. 

E88	GH100	9	204
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 filed on 22.04.2009 by Nuziveedu Seeds Ltd, **NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034** for **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC-187** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : NC-187  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034  
Nationality of applicant : Indian

**Application details**

E88	GH100	9	204
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a. Number :  
b. Date of receipt : 22.04.2009  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
Denomination : NC-187  
Type of variety : Extant  
Classification of variety : Other (Parental Line)  
Previously proposed Denomination : Not applicable  
Name of parental material : (NCGP-976 x AC 738)  
Source of parental material : Nuziveedu Seeds Ltd.  
Name of reference varieties : Kanchana

### Variety Description:

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> NC-187 has distinguishing character as 100 seed weight (g): Bold	
<b>C. Distinct characteristics of Reference varieties:</b> Kanchana has distinguishing character as 100 seed weight (g): Medium	
<b>D. Date of reported commercialization of the variety</b>	29.05.1999
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 Kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons/ac
Inorganic (Per Acre)	75: 35 : 35 NPK kg/ac
The best growing season to attain the potential yield (Zonewise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Prunning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	6-8 q/ac- irrigated & 4-6 q/ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.1–2.8 q/ac - irrigated, 1.4-2.1 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning (%) - high (35-36), Fibre length: extra long (>32.5 mm), Strength: medium (21.0-24.0 g/tex), Micronaire

	value: fine (3.0-3.9), Uniformity (%): excellent (>47), Maturity (%): very good (>81) and color: white.
Reaction against major diseases and pests	Moderate tolerant to jassids
Reaction to major abiotic stresses like drought, heat, salinity etc.	Drought tolerant

129. Application No. 

E92	GH104	9	208
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 filed on 22.04.2009 by Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034 for an Extant variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC-201** has been accepted and given registration number -----NA -----on ----- - NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : NC-201  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

**Nationality of applicant** : Indian

**Application details**

a. Number : 

E92	GH104	9	208
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b. Date of receipt : 22.04.2009  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
Denomination : NC-201  
Type of variety : Extant  
Classification of variety : Other (Parental Line)  
Previously proposed Denomination : Not applicable  
Name of parental material : NC-99 x L 389 (released 1993)  
Source of parental material : M/s. Nuziveedu Seeds Ltd.  
Name of reference varieties : MCU 12 & MCU 5 VT

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
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Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	White
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b>	
NC-201 has distinguishing character as leaf hairiness: Sparse & 100 seed weight (g): Very bold	
<b>C. Distinct characteristics of reference varieties:</b>	
MCU 12 & MCU 5 VT has distinguishing character as leaf hairiness: Medium & 100 seed weight (g): Bold	
<b>D. Date of reported commercialization of the variety</b>	29.05.1999
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165days
Seed rate per acre	2-3 kg /ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons/ac
Inorganic (Per Acre)	75 : 35 : 35 NPK kg/ac
The best growing season to attain the potential yield (Zonewise)	South and central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and central zone
Intercultural operations (including Training, Pruning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	6-8 q/ac- irrigated & 4-6 q/ ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.0–2.6 q/ac - irrigated, 1.3-2.0 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning- medium (33-34), Fibre length: extra long (>32.5 mm), Strength: strong (25.0-28.0 g/tex), Micronaire: very

	fine (<3.0), Uniformity (%): good (46-47), Maturity: good (66-80) and color: white.
Reaction against major diseases and pests	Tolerance to Grey mildew and moderate tolerant to thrips

**130.** Application No. 

E11	GH12	9	233
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 filed on 05.05.2009 by **Nuziveedu Seeds Ltd, NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034** for **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC-217** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NC-217  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034

Nationality of applicant : Indian

**Application details**

A. Number : 

E11	GH12	9	233
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B. Date of receipt : 05.05.2009

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : NC-217

Type of variety : Extant

Classification of variety : Other (Parental Line)

Previously proposed denomination : Not applicable

Name of parental material : G Cot 100 x NCGP - 500

Source of parental material : Nuziveedu Seeds Ltd. G Cot 100 is a public domain variety

Name of reference varieties : Supriya

**Variety Description:**



<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> NC-217 has distinguishing character as Fibre strength (g/tex): Weak & Fibre fineness (Micronaire value): Fine	
<b>C. Distinct characteristics of reference varieties:</b> Supriya have distinguishing character as Fibre strength (g/tex): Medium & Fibre fineness (Micronaire value): Medium	
<b>D. Date of commercialization of the variety</b>	24.05.1995
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Remarks</b>
Growth habit (Determinate/Indeterminate)	Spreading (>60 cm) indeterminate
Days to flowering/Anthesis (Average)	Early (<50 days)
Days to physiological maturity (Average)	145-155 days
Seed rate per acre	2 – 3 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5-10 tons
Inorganic (per ha)	75:75:35 NPK kg/ha irrigated 50:25:25 NPK kg/ha rainfed
Soil requirements to attain the potential yield	Heavy soils
The best growing season to attain the potential yield (Zonewise)	North and Central zone: <i>kharif</i>

Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	North and Central zone
Intercultural operations (including training, pruning & nipping)	Hoeing and hand weeding
<b>Commercial attributes</b>	<b>Remarks</b>
Yield of Kapa/acre (Average)	5-7 q/ac, irrigated 3-5 q/ac, rainfed
Yield of Lint/acre (Average)	1.6-2.4 q/ac, irrigated 1.0-1.6 q/ac, rainfed
Quality characteristics of the candidate variety	
Colour	White
Ginning (%)	Medium (33-34)
Fibre length	Long (27.5-32.0 mm)
Fibre strength	Medium (21.0-24.0 g/tex)
Fineness (Micronaire value)	Very fine (<3.0)
Uniformity (%)	Excellent (>47)
Maturity (%)	Good (66-80).
Reaction to major biotic stresses like drought, heat, salinity <i>etc.</i>	Drought tolerant

131. Application No. 

E178	GH140	9	285
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 filed on 10.06.2009 by **DCM Shriram Limited, 5<sup>th</sup> Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **BIO 60102I1** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : BIO 60102I1  
**Applicant** : DCM Shriram Limited.  
**Address of the applicant** : 5<sup>th</sup> Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001

Nationality of applicant : Indian

**Application details**

a. Number	:	E178	GH140	9	285
b. Date of receipt	:	10.06.2009			
c. Date of acceptance	:	--			

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : BIO 60102I1

Type of variety : Extant

Classification of variety : Transgenic & Other (Inbred parent line)

Previously proposed denomination : Not applicable

Name of parental material : 60102 x MAHYCO-531

Source of parental material : DCM Shriram Limited

Name of reference varieties : J 34 & L378

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct characteristics of candidate variety:</b> BIO 60102I1 has distinguishing character as stem hairiness: Sparse & Seed Fuzz: Medium	
<b>C. Distinct characteristics of reference varieties:</b> J 34 has distinguishing character as stem hairiness: Medium L378 has distinguishing character as stem hairiness: Dense & Seed Fuzz: Sparse	
<b>D. Date of reported commercialization of the variety</b>	--

<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Determinate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	140-150 days
Seed rate per acre	1.0-1.250 g/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	8 tons
Inorganic (Per Acre)	60:30:60 Irrigated
Soil requirement to attain the potential yield	Medium to heavy soil with good drainage
The best growing season to attain the potential yield (Zonewise)	North zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	North zone
Intercultural operations (including Training, Pruning & Nipping)	3-4 hoeing and 2-3 weeding
Yield of Kapas/Acre (Average)	3-4 q/ac
Quality characteristics of the variety	Ginning (%) – 36-39, Fibre length HVI MODE: 24-26 mm, Strength HVI mode: 26-28 g/tex, Micronaire HVI mode: 4.2-4.5, Uniformity (%) HVI mode: 80-85, Maturity (%): 90-95 and color: white.

132. Application No. 

N52	GH32	8	258
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 filed on 02.04.2008 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020** for New variety of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **C 5711** has been accepted and given registration number -----NA -----on -  
----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : C 5711  
**Applicant** : Maharashtra Hybrid Seeds Company Limited.  
**Address of the applicant** : Resham Bhavan, 4<sup>th</sup> Floor, 78, Veer Nariman Road, Mumbai-400020

Nationality of applicant : Indian

Application details

A. Number

N52	GH32	8	258
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B. Date of receipt

: 02.04.2008

C. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Tetraploid cotton (*Gossypium hirsutum* L.)

denomination

: C 5711

Type of variety

: New

Classification of variety

: Transgenic & Other (Inbred parent line)

Previously proposed

Denomination

: Not applicable

Name of parental material

: (NBt C 5710 x MTC 531.90 Bt Doner) x C 5175 BG II

Source of parental material

: M/s. Maharashtra Hybrid Seeds Company Limited

Name of Reference Varieties

: JCC 1 & F 1378

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b>	
C 5711 has distinguishing character as Boll Shape (longitudinal section): Round, Seed fuzz colour: white	
<b>C. C. Distinct characteristics of reference varieties:</b>	
F 1378 has distinguishing character as Boll Shape (longitudinal section): ovate	

<b>JCC 1</b> has distinguishing character as Seed fuzz colour: white	
<b>D. Date of reported commercialization of the variety</b>	01.06.2010
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	Medium
Days to physiological maturity (Average)	160-170 days
Seed rate per acre	1.0 to 1.5 kg
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per Acre)	4-5 tons FYM
Inorganic (per Acre)	48 : 24 : 24 kg/ac
Spacing (cms) requirement to attain potential yield	
Row to Row	Irrigated : 90 cm Rainfed: 90 cm
Plant to Plant	Irrigated : 60 cm Rainfed: 45 cm
Soil requirements to attain the potential yield	Medium to heavy black soil
Plant protection measures to attain the potential yield	As per recommended by CICR, Nagpur
Number of irrigations required to attain potential yield	4 - 5
The best growing season to attain the potential yield (Zonewise)	Central & South zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	Tested in Central & South zone
Intercultural operations (including Training, Prunning & Nipping)	2-4 hoeing and 3 – 4 hand weeding

Yield of Kapas/Acre (Average)	5-7 q/ac
Yield of Lint/Acre (Average)	1.8-2.5 q/ac

133. Application No. 

E24	GH85	10	188
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 filed on 22.06.2010 by **JK Agri Genetics Ltd., 1-10-177, 4<sup>th</sup> Floor, Varun Towers, Begumpet, Hyderabad-500016** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** [*Gossypium hirsutum* L.] having denomination **JKC 725** has been accepted and given registration number -----NA - -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : JKC 725  
**Applicant** : JK Agri Genetics Ltd.  
**Address of the applicant** : 1-10-177, 4th Floor, Varun Towers, Begumpet, Hyderabad-500016

Nationality of applicant : Indian

Application details

E24	GH85	10	188
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A. Number :  
B. Date of receipt : 22.06.2010  
C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton [*Gossypium hirsutum* L.]

Denomination : JKC 725

Type of variety : Extant

Classification of variety : Typical

Previously proposed

Denomination : Not applicable

Name of parental material : (JK X 10 x JK X 14) X (MCU-5 x LK 861)

Source of parental material : JK Agri Genetics Ltd.

Name of reference varieties : Kanchana & MCU 5

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
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Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b> JKC 725 has distinguishing character as Boll Shape (longitudinal section): Round, Flower petal colour: Cream	
<b>C. Distinct characteristics of reference varieties:</b> MCU 5 has distinguishing character as Boll Shape (longitudinal section): Ovate Kanchana has distinguishing character as Flower petal colour: yellow	
<b>D. Date of reported commercialization of the variety</b>	12.09.2003
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Indeterminate
Days to flowering/Anthesis (Average)	53-55 days
Days to physiological maturity (Average)	140-150 days
Seed rate per acre	1.0 to 1.2 kg /ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	4 tons
Inorganic (per acre)	120 : 60 : 60 (Irrigated) 80 : 40 : 40 (Rainfed)
The best growing season to attain the potential yield (Zone-wise)	15 <sup>th</sup> June to 15 <sup>th</sup> July: <i>kharif</i>
Intercultural operations (including Training, Prunning & Nipping)	Deep ploughing in earlier stage of the crop whereas shallow ploughing responded, highly responds to added fertilizers
Yield of Kapas/Acre (Average)	1.5 to 2.0 q/ac
Yield of Lint/Acre (Average)	0.5 to 0.7 q/ac



134. Application No. 

E57	GH156	10	523
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 filed on 30.12.2010 by Prabhat Agri Biotech Ltd., 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082 for an Extant variety (**Variety of Common Knowledge**) of crop **Tetraploid cotton** [*Gossypium hirsutum* L.] having denomination **PC-P17** has been accepted and given registration number ----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : **PC-P17**  
**Applicant** : Prabhat Agri Biotech Ltd.  
**Address of the applicant** : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

**Application details**

a. Number : 

E57	GH156	10	523
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b. Date of receipt : 30.12.2010  
c. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

denomination : PC-P17

Type of variety : Extant

Classification of variety : Other (Parental Line)

Previously proposed

Denomination : Not applicable

Name of parental material : NDL 1325 x BN 1

Source of parental material : Prabhat Agri Biotech Ltd.

Name of Reference Varieties : Sahana & Supriya

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream

Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b>	
<b>PC-P17</b> has distinguishing character as Flower Stigma: Exerted, Pollen colour: Cream	
<b>C. Distinct characteristics of reference varieties:</b>	
<b>Sahana</b> has distinguishing character as Flower Stigma: Embedded	
<b>Supriya</b> has distinguishing character as Flower Pollen colour: Yellow-Deep Yellow	
D. Date of reported commercialization of the variety	29.05.1999
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	160-170 days
Seed rate per acre	750 g to 1.0 kg / ac
Recommended nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5-10 tons FYM
Inorganic (per acre)	150 : 75 : 75 NPK kg/ac
The best growing season to attain the potential yield (Zonewise)	South and Central zone: Kharif
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Pruning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	10–12 q/ac- irrigated & 8-10 q/ac- rainfed (South and central)
Yield of Lint/Acre (Average)	3.5–4.2 q/ac - irrigated, 2.8-3.5 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning- high (35-36), Fibre length: long (27.5-32.0 mm),

	Strength: medium (21.0-24.0 g/tex), Micronaire: fine (3.0-3.9), Uniformity (%): Excellent (>47), Maturity: very good (>81) and Color: white.
Reaction against major diseases and pests	Moderate tolerance to whiteflies. Good tolerant to bacterial blight and grey mildew.

135. Application No. 

E64	GH163	10	530
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 filed on 30.12.2010 by Pravardhan Seeds Pvt. Ltd., **Ground Floor, 8-2-277/45, UBI Colony, Road No. 3, Banjara Hills, Hyderabad-500034** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **PSCP-04** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : **PSCP-04**  
**Applicant** : Pravardhan Seeds Pvt Ltd.  
**Address of the applicant** : Ground Floor, 8-2-277/45, UBI Colony, Road No. 3, Banjara Hills, Hyderabad-500034

Nationality of applicant : Indian

**Application details**

a. Number : 

E64	GH163	10	530
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b. Date of receipt : 30.12.2010  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
denomination : PSCP-04  
Type of variety : Extant  
Classification of variety : Other (parental line)  
Previously proposed :  
Denomination : Not applicable  
Name of parental material : PSPL breeding materials  
Source of parental material : Pravardhan Seeds Pvt Ltd.  
Name of reference varieties : MCU 5 & MCU 5 VT

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Palmate

Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b> PSCP-04 has distinguishing character as Seed Fuzz: Dense	
<b>C. Distinct characteristics of reference varieties:</b> MCU 5 & MCU 5 VT have distinguishing character as Seed Fuzz: Medium	
<b>D. Date of reported commercialization of the variety</b>	13.11.2001
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 kg /ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons FYM
Inorganic (Per Acre)	75 : 35 : 35 kg/ac
The best growing season to attain the potential yield (Zonewise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Pruning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	6-8 q/ac- irrigated & 4-6 q/ ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.5–3.0 q/ac - irrigated, 1.5-2.0 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning- low (31-32), Fibre length: long (27.5-28.0 mm), Strength: strong (25.0-28.0 g/tex), Micronaire: fine (3.0-3.9), Uniformity (%): Excellent (>47), Maturity: very good (>81) and Color: white.
Reaction against major diseases and pests	Tolerance to jassids and moderate tolerant to thrips

Reaction to major abiotic stresses like drought, heat, salinityetc.	Drought tolerant
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**136.** Application No. 

E72	GH171	10	538
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 filed on 30.12.2010 by Prabhat Agri Biotech Ltd., **6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for an **Extant** variety (Variety of Common Knowledge) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **PC-P8011 Bt** has been accepted and given registration number -----NA -----on ----- NA ----

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : PC-P8011 Bt  
**Applicant** : Prabhat Agri Biotech Ltd.  
**Address of the applicant** : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

Application details

A. Number

E72	GH171	10	538
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B. Date of receipt

: 30.12.2010

C. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination

: PC-P8011 Bt

Type of variety

: Extant

Classification of variety

: Transgenic & Other (Parental Line)

Previously proposed denomination

: Not applicable

Name of parental material

: PC-P8011 x event Mon-531 Bt

Source of parental material

: Prabhat Agri Biotech Ltd.

Name of reference varieties

: Kanchana

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Normal

Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	White
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct characteristics of candidate variety:</b> PC-P8011 Bt has distinguishing character as Flower Petal colour: Cream & Ginning %: Very high	
<b>C. Distinct characteristics of reference varieties:</b> Kanchana has distinguishing character as Flower Petal colour: Yellow & Ginning %: High	
<b>D. Date of reported commercialization of the variety</b>	21.06.2007
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60 days) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (Per Acre)	5-10 tons FYM
Inorganic (Per Acre)	75 : 35 : 35 NPK kg/ac
Spacing (cm) requirement to attain potential yield	
The best growing season to attain the potential yield (Zonewise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Pruning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	6-8 q/ac- irrigated & 4-6 q/ ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.5-3.0 q/ac - irrigated, 1.5-2.0 q/ac-rainfed (south and central zone)

Quality characteristics of the variety	Ginning- very high (>37), Fibre length: long (27.5-32.0 mm), Strength: medium (21.0-24.0 g/tex), Micronaire: medium (4.0-4.9), Uniformity (%): Excellent (>47), Maturity: very good (>81) and color: white
Reaction against major diseases and pests	Tolerance to jassids and moderate tolerant to thrips
Reaction to major abiotic stress like drought, heat, salinity etc.	Drought tolerant

137. Application No. 

E15	GH32	12	269
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 filed on 29.06.2012 by **Asian Agri Genetics Ltd., #3-5-821, First Floor, Doshi Square, Hyderguda, Hyderabad-500029** for an Extant variety (**Variety of Common Knowledge**) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **AC-710** has been accepted and given registration number ----  
----NA -----on ----- NA ----

The convention application no.---- NA----, in respect of the said variety has been filed on ----  
NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : AC-710  
**Applicant** : Asian Agri Genetics Ltd.  
**Address of the applicant** : #3-5-821, First Floor, Doshi Square, Hyderguda, Hyderabad-500029

Nationality of applicant : Indian  
Application details  
a. Number : 

E15	GH32	12	269
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b. Date of receipt : 29.06.2012  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
Denomination : AC-710  
Type of variety : Extant variety  
Classification of variety : Typical & Other (Parental Line)  
Previously proposed

denomination : Not applicable  
 Name of parental material : (ACGP – 707 (GMS) x ACGP - 123  
 Source of parental material : Asian Agri Genetics Ltd.  
 Name of reference varieties : Abadhita & G Cot 16

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Normal
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Yellow
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct Characteristics of the candidate variety:</b>	
AC-710 has distinguishing character as Flower Pollen colour: Yellow	
<b>C. Distinct characteristics of reference varieties:</b>	
Abadhita & G Cot 16 has distinguishing character as Flower Pollen colour: Cream	
<b>D. Date of reported commercialization of the variety</b>	27.05.2004
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Remarks</b>
Growth habit (Determinate/indeterminate)	Semi spreading (31-60 days) and indeterminate
Days to flowering/anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 kg / ac
Recommended nutrition/acre schedule to attain potential yield and time of application	
Organic (per Acre)	5-10 tons FYM
Inorganic (per Acre)	75 : 35 : 35 kg/acIrrigated 50 : 25 : 25 kg/acRainfed
The best growing season to attain the potential yield (Zone-wise)	South and Central zone: <i>kharif</i>



Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	South and Central zone
Intercultural operations (including training, pruning & nipping)	Hoeing and hand weeding
<b>Commercial attributes</b>	<b>Remarks</b>
Yield of Kapa/Acre (Average)	7-9 q/ac- irrigated & 5-7 q/ac- rainfed (South and central)
Yield of Lint/Acre (Average)	2.1-3.0 q/ac - irrigated, 1.5-2.2 q/ac-rainfed (South and Central zone)
Fibre quality characteristics of the variety	
Colour	White
Ginning (%)	Low (31-32)
Fibre length	Medium long (25.0-27.0 mm)
Fibre strength	Medium (21.0-24.0 g/tex)
Fineness (Micronaire value)	Medium (4.0-4.9)
Uniformity (%)	Excellent (>47)
Maturity (%)	Very good (>81)
Reaction against major diseases and pests	Tolerance to jassids and moderate tolerant to thrips
Reaction to major abiotic stress like drought, heat, salinity etc.	Drought tolerant

138. Application No. 

N24	GH28	13	105
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 filed on 06.03.2013 by Nuziveedu Seeds Ltd, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401 for New variety of crop Tetraploid cotton (*Gossypium hirsutum* L.) having denomination NCS-495 BG-II has been accepted and given registration number ----- NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NCS-495 BG-II  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401

Nationality of applicant : Indian

**Application details**

A. Number : 

N24	GH28	13	105
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B. Date of receipt : 06.03.2013

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : NCS-495 BG-II

Type of variety : New variety

Classification of variety : Transgenic & Other (Inbred parent line)

Previously proposed denomination : Not applicable

Name of parental material : NC-160/1 BG-II x NC-1161

Source of parental material : Own germplasm.

Name of reference varieties : Abadhita & L 604

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Medium long
<b>B. Distinct characteristics of candidate variety:</b>	
NCS-495 BG-II has distinguishing character as Leaf Colour: Green & Flower Stigma: Exerted	
<b>C. Distinct characteristics of reference varieties:</b>	
Abadhita has distinguishing character as Leaf Colour: Light green	
L 604 has distinguishing character as Flower Stigma: Embedded	
<b>D. Date of commercialization of the variety</b>	01.04.2013

<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Spreading (>60 cm)indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	160-170 days
Seed rate per acre	2 – 3 packets/ac must be in gm
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5-10 tons
Inorganic (per ha)	150 : 75 : 75 NPK kg/ha irrigated 120 : 60 : 60 NPK kg/ha rainfed
Spacing (cm) requirement to attain potential yield	It is advisable to follow spacing of 100 x 40 cm or 90 x 60 cm in Haryana and south Rajasthan and 67.5 cm x 75 cm in Punjab and 100 x 60 cm in north Rajasthan
Row to row	
Plant to plant	
Soil requirements to attain the potential yield	Alluvial soils and black clay
Number of irrigations required to attain potential yield	3-5 irrigation
The best growing season to attain the potential yield (Zonewise)	North zone: <i>kharif</i>
Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	North zone
Intercultural operations (including training, pruning & nipping)	Hoeing and hand weeding
<b>Commercial attributes</b>	<b>Details</b>
Yield of Kapas/acre (Average)	12-14 q/ac, irrigated 9-12 q/ac, rainfed

Yield of Lint/acre (Average)	4.0-4.7 q/ac, irrigated 3.0-4.0 q/ac, rainfed
Quality characteristics of the candidate variety	
Colour	White
Ginning (%)	Medium (33-34)
Fibre length	Long (27.5-32.0 mm)
Fibre strength	strong (25.0-28.0) g/tex
Fineness (Micronaire value)	Fine (3.0-3.9)
Uniformity (%)	Excellent (>47)
Maturity (%)	Very good (>81).
Reaction against major diseases and pests	Tolerance to cotton leaf curls virus and whiteflies. Tolerate to bacterial blight and grey mildew.

139. Application No. 

N83	GH104	13	235
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 filed on 09.04.2013 by Prabhat Agri Biotech Ltd, **6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for **New variety** of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **PC - P751** has been accepted and given registration number -----NA ----- on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : PC - P751  
**Applicant** : Prabhat Agri Biotech Ltd.  
**Address of the applicant** : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

**Application details**

a. Number	N83	GH104	13	235
b. Date of receipt	: 09.04.2013			
c. Date of acceptance	: --			
Crop (Taxonomical Lineage)	: Tetraploid cotton ( <i>Gossypium hirsutum</i> L.)			
denomination	: PC- P751			
Type of variety	: New			
Classification of variety	: Other (Inbred Parental Line)			
Previously proposed denomination	: Not applicable			
Name of parental material	: PABCGP-354 x Khandwa 2 MB			
Source of parental material	: Prabhat Agri Biotech Ltd.			
Name of reference varieties	: Kanchana			

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate or normal
Flower : Petal colour (Characteristic 15)	Yellow
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b>	
PC-P751 has distinguishing character as Boll Shape (longitudinal section): Ovate	
<b>C. Distinct characteristics of reference varieties:</b>	
Kanchana has distinguishing character as Boll Shape (longitudinal section): Round	
<b>D. Date of reported commercialization of the variety</b>	--
<b>E. Agronomic and commercial attributes</b>	
Growth habit (Determinate/Indeterminate)	Semi spreading (31-60 cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2-3 kg/acre

Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5-10 tons FYM
Inorganic (per acre)	75 : 35 : 35 kg/ac
Spacing (cms) requirement to attain potential yield	
The best growing season to attain the potential yield (Zone-wise)	South and Central zone: <i>kharif</i>
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Prunning & Nipping)	Hoeing and hand weeding
Yield of Kapas/Acre (Average)	6-8 q/ac- irrigated & 4-6 q/ ac- rainfed (South and Central zone)
Yield of Lint/Acre (Average)	2.5-3.0 q/ ac-irrigated, 1.5-2.0 q/ac-rainfed (south and central zone)
Quality characteristics of the variety	Ginning- very low (>37), Fibre length: medium long (mm), Strength: medium (g/tex), Micronaire: fine, Uniformity (%): Excellent (>47), Color: white and Maturity (%): very good (>81)
Reaction against major diseases and pests	Tolerance to jassids and moderate tolerant to thrips.
Reaction to major Abiotic stresses like drought, heat, salinity etc	Drought tolerant

140. Application No. 

N1	JO1	15	676
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 filed on 15.04.2015 by Nuziveedu Seeds Ltd., **Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401** for a **New** variety of crop **Jute** (*Corchorus olitorius* L.) having denomination **NJ-7050** has been accepted and given registration number -----  
 ---NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----  
 NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : NJ-7050  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401

Nationality of applicant : Indian

Application details

A. Number

N1	JO1	15	676
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B. Date of receipt : 15.04.2015

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Jute (*Corchorus olitorius* L.)

Denomination : NJ-7050

Type of variety : New

Classification of variety : Typical

Previously proposed

denomination : Not applicable

Name of parental material : JRO 524 (Naveen)

Source of parental material : Naveen is a public domain /registered variety

Name of reference varieties : JRO 204 & JRO 8432

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Seedling: Premature flowering resistance (C. olitorius varieties only) (characteristic 1)	Present
Stem: Colour (characteristic 6)	Green
Fibre: Fineness (tex) (characteristic 9)	Coarse
Fibre: Strength (g/tex) (characteristic 10)	Good
Time of flowering (50% of the plants with at least one open flower) (characteristic 12)	Early
<b>B. Distinct Characteristics of the candidate variety:</b> NJ-7050 has distinguishing character as Seed Colour: Chocolate brown	
<b>C. Distinct characteristics of Reference varieties:</b> JRO 204 & JRO 8432 have distinguishing character as Seed: Colour: Black	
<b>D. Date of reported commercialization of the variety</b>	--
<b>E. Agronomic and commercial attributes</b>	
Type of jute variety	Tossa jute

Seed treatment rate (Timing/ Chemical)	Carbendazin 2.5 g/kg seed before sowing
Days to flowering/Anthesis (Average)	160-165 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 55-60 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Days to Maturity (Early /Medium/Late)	120-125 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 125-130 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Recommended soil type	Sandy loam to clayey loam
Stage of harvesting	120-125 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 125-130 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Recommendation production ecology (Rainfed/Irrigated/High/Low/Fertility season)	Both irrigated and rainfed medium to high fertility soil pre-kharif (as fibre crop: 2 <sup>nd</sup> week of March to 3 <sup>rd</sup> week of July) Post rabi season (as seed crop 1 <sup>st</sup> week of August to 2 <sup>nd</sup> of December)
Reaction to major Diseases /Pests	Moderate resistant to stem rot Moderate tolerant to yellow mites, semi looper and bihar hairy caterpillar
Fibre Quality parameters	
Fibre : strength	24.0 g/tex
Fibre: Fineness (tex)/Coarse/Fine/Very fine	3.0 tex (fine)
Fibre colour (whiteness/ brightness/ yellowness)	Whiter colour, brightness is good
Retting & extraction of fibre	Retting under submerged condition with slowly flowing water for 18-22 days and then fibre extraction manually by “beat break-jerk” or single plant extraction method.
Yield/Acre (Average)	36-38 q/ha (fibre) 6.5-7.5 q/ha (seed) when produced at Guntur, AP
Any other relevant information specific to the variety/Hybrid	Stem colour green. Pre-mature flowering resistant. Seed may be sown by 2 <sup>nd</sup> week of March

141.Application No. 

N3	JO3	15	678
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 filed on 15.04.2015 by Nuziveedu Seeds Ltd, **Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401** for **New variety** of crop **Jute** (*Corchorus olitorius* L.) having denomination **NJ-7055** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on ----- NA-----, in ---NA-----.



Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : NJ-7055  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401

Nationality of applicant : Indian

**Application details**

a. Number	N3	JO3	15	678
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b. Date of receipt : 15.04.2015  
c. Date of acceptance : --  
Crop (Taxonomical Lineage) : Jute (*Corchorus olitorius* L.)  
Denomination : NJ-7055  
Type of variety : New  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : (Sudan Green X JRO 524) x JRO 632  
Source of parental material : Public bred variety  
Name of reference varieties : JRO 204 & JRO 8432

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Seedling: Premature flowering resistance (C. olitorius varieties only) (characteristic 1)	Present
Stem: Colour (characteristic 6)	Green
Fibre: Fineness (tex) (characteristic 9)	Very fine
Fibre: Strength (g/tex) (characteristic 10)	Fairly good
Time of flowering (50% of the plants with at least one open flower) (characteristic 12)	Late
<b>B. Distinct Characteristics of the candidate variety:</b> NJ-7055 has distinguishing character as Seed colour: Steel grey	
<b>C. Distinct characteristics of Reference varieties:</b> JRO 204 & JRO 8432 have distinguishing character as Seed colour: Black	
<b>D. Date of reported commercialization of the variety</b>	--
<b>E. Agronomic and commercial attributes</b>	
Type of jute variety	Tossa jute

Seed treatment rate (Timing/ Chemical)	Carbendazin 2.5 g/kg seed before sowing
Days to flowering/Anthesis (Average)	170-175 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 70-75 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Days to Maturity (Early /Medium/Late)	120-125 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 130-135 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Recommended soil type	Sandy loam to clayey loam
Stage of harvesting	120-125 days (when sown in 1 <sup>st</sup> week of April as fibre crop) 130-135 days (when sown in 1 <sup>st</sup> week of August as seed crop)
Recommendation production ecology (Rainfed/Irrigated/High/Low/Fertility season)	Both irrigated and rainfed medium to high fertility soil pre-kharif (as fibre crop: 1 <sup>st</sup> week of March to 2 <sup>nd</sup> week of July) Post rabi season (as seed crop 1 <sup>st</sup> week of August to end of December )
Reaction to major Diseases /Pests	Moderate resistant to stem rot Moderate tolerant to yellow mites, semi looper and Bihar hairy caterpillar
fibre Quality parameters	
Fibre : strength	26.0 g/tex
Fibre: Fineness (tex)/Coarse/Fine/Very fine	3.0 tex (fine)
Fibre colour ( whiteness/ brightness/ yellowness)	White colour, brightness is good
Retting & extraction of fibre	Retting under submerged condition with slowly flowing water for 18-22 days and then fibre extraction manually by “beat break-jerk” or single plant extraction method.
Yield/Acre (Average)	13.6-14.4 q/ac (fibre) 3.0-3.4 q/ac (seed) when produced at Guntur, AP
Any other relevant information specific to the variety/Hybrid	Stem colour green. Pre-mature flowering resistant. Seed may be sown by 1 <sup>st</sup> week of March

142. Application No. 

N18	OS 29	09	243
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 filed on 11.05.2009 by **Nuziveedu Seeds Limited, Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana** for **New Variety of crop Rice (*Oryza sativa* L.)** having denomination **NP-279 (POOJITHA)** has been accepted and given registration number -----  
NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : NP-279 (POOJITHA)  
**Applicant** : Nuziveedu Seeds Limited  
**Address of the applicant** : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist-501401, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N18	OS29	09	243
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b. Date of receipt : 11.05.2009  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)  
Denomination : NP-279 (POOJITHA)  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : NPG-4329 x NPG-4398  
Source of parental material : Own germplasm  
Name of reference varieties : DDR DHAN 38, IR 64 and NEERAJA

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Late
Stem: Length (excluding panicle; excluding floating rice) (Characteristic 29)	Medium
Decorticated grain: Length (Characteristic 54)	Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium Slender
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylase (Characteristic 59)	Medium
Decorticated grain: Aroma (Characteristic 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b> NP-279 (POOJITHA) has distinguishing character as long bold decorticated grain shape	
<b>C. Distinct characteristics of Reference varieties:</b> DDR DHAN 38 has distinguishing character as medium slender decorticated grain shape	

<b>IR 64</b> has distinguishing character as long slender decorticated grain shape. <b>NEERAJA</b> has distinguishing character as short bold decorticated grain shape.	
<b>D. Date of reported commercialization of the variety</b>	29.06.2008

<b>E. Agronomic and commercial attributes of the variety</b>	<b>Remarks</b>
Days to flowering/Anthesis (Average)	120
Days to Maturity (Early/Medium/Late )	Late
Production condition: suitable area in the country	Rainfed shallow lowland
Time of Sowing	Last week of May/ first week of June
Irrigated /Rainfed	Rainfed
Low fertility /High fertility of Soil	Low fertility
Tolerance to Disease and Pests	Leaf blight
Tolerance to adverse Temperature/ Frost/Heat/Salinity	-
Grain characters physical	
a) Kernal size	Medium slender
b) Seed lustre (Present/Absent)	Present
c) Seed colour	White
Grain yield per hectare (kg/ha)	5125 kg/ha
Seed: weight (100 seed weight in g)	2.7g
Any other relevant information specific to the variety/Hybrid to attain potential yield	General plant protection measures to be followed against pest/disease attack

143. Application No. 

E70	GH169	10	536
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 filed on 30.12.2010 by **Prabhat Agri Biotech Ltd, 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082** for Extant (VCK) variety of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **PC-P-17 Bt** has been accepted and given registration number -----NA -----on -----NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : PC-P-17 Bt  
**Applicant** : Prabhat Agri Biotech Ltd  
**Address of the applicant** : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082

Nationality of applicant : Indian

**Application details**

E70	GH169	10	536
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a. Number :

b. Date of receipt : 30.12.2010

c. Date of acceptance : --

Crop (taxonomical lineage) : Tetraploid cotton (*Gossypium hirsutum* L.)

Denomination : PC-P-17 Bt

Type of variety : Extant (VCK)

Classification of variety : Transgenic Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of parental material : PC-P17 x event Mon-531Bt

Source of parental material : Own germplasm

Name of reference varieties : J34 and JCC 1

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Round
Fibre : Length (Characteristic 33)	Long
<b>B. Distinct characteristics of candidate variety:</b>	
PC-P-17 Bt has distinguishing character as Leaf appearance: Flat, Seed fuzz colour: White	
<b>C. Distinct characteristics of reference varieties:</b>	
J34 has distinguishing character as Leaf appearance: Cup, Seed fuzz colour: Grey	
JCC has distinguishing character as Leaf appearance: Cup, Seed fuzz colour: Brown	
<b>D. Date of reported commercialization of the variety</b>	19.05.2007

<b>E. Agronomic and commercial attributes of the variety</b>	
Growth habit (Determinate/Indeterminate)	Semi Spreading (31-60cm) and indeterminate
Days to flowering/Anthesis (Average)	Medium (50-60 days)
Days to physiological maturity (Average)	150-165 days

Seed rate per acre	2-3 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5-10 tons
Inorganic (per acre)	75 : 35 : 35 kg/ac Irrigated, 50 : 25 : 25 kg/ac Rainfed
The best growing season to attain the potential yield (Zone-wise)	South and Central zone: kharif
Name the cropping/Climatic Zone of India in which the varietal/Hybrid trials were conducted	South and Central zone
Intercultural operations (including Training, Prunning & Nipping)	Hoeing and hand weeding
Yield of Kapa/Acre (Average)	5-9 q/ac- irrigated & 5-7 q/ ac- rainfed (South and Central)
Yield of Lint/Acre (Average)	2.3-3.0 q/ac - irrigated, 1.7-2.3 q/ac-rainfed (South and Central zone)
Quality characteristics of the variety	Ginning (%) - medium (33-34), Fibre length: Long (27.5-32.0 mm), Strength: Strong (25.0-28.0 g/tex), Micronaire: fine (3.0-3.9), Uniformity (%): Excellent (>47), Maturity (%): very good (>81) and color: white
Reaction against major disease and pests	Moderate tolerate to Jassids
Reaction to major abiotic stresses like drought, heat, salinity etc.	Drought tolerate

144. Application No. 

N24	OS24	10	260
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 filed on 07.09.2010 by **Nuziveedu Seeds Ltd., NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana** for **New variety of crop Rice (*Oryza sativa L.*)** having denomination **SIRI** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV & FR Authority, New Delhi – 110 012.

**Passport data of the variety** : SIRI  
**Applicant** : Nuziveedu Seeds Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 to 4, 4<sup>th</sup> Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana  
Nationality of applicant : Indian  
**Application details**  
a. Number : 

N24	OS24	10	260
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b. Date of receipt : 07.09.2010  
c. Date of acceptance : --  
Crop (taxonomical lineage) : Rice (*Oryza sativa* L.)  
Denomination : SIRI  
Type of variety : New  
Classification of variety : Typical  
Previously proposed : Not applicable  
Denomination :  
Name of parental material : BPT 5204 x PRN 30  
Source of parental material : Own germplasm  
Name of reference varieties : BPT 5204, Sonasali, RP BIO 226 and HMT SONA

**Variety description:**

A. Grouping Characteristics	Remarks (measured values)
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Late
Stem: Length (excluding panicle; excluding floating rice) (Characteristic 29)	Very short
Decorticated grain: Length (Characteristic 54)	Long
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylose (Characteristic 59)	Medium
Decorticated grain: Aroma (Characteristic 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b> SIRI has distinguishing character as deflexed panicle curvature of main axis and narrow decorticated grain width.	
<b>C. Distinct characteristics of reference variety:</b> BPT 5204 has distinguishing character as semi-straight panicle curvature of main axis and medium decorticated grain width.	

<b>Sonasali</b> has distinguishing character as semi-straight panicle curvature of main axis and medium decorticated grain width.		
<b>D. Date of commercialization of the variety</b>		18.05.2010
<b>E. Agronomic and commercial attributes</b>		
<b>S.No.</b>	<b>Attributes</b>	<b>Details</b>
1	Days to flowering/anthesis (average)	115
2	Days to maturity (early/medium/late)	Late
3	Production condition: suitable area in the country	Rainfed shallow lowland
4	Time of sowing	Last week of May/ first week of June
	Irrigated/rainfed	Both irrigated and rainfed shallow conditions
	Low fertility/high fertility of soil	Low fertility
5	Tolerance to disease and pests	Tolerant to stem borer
6	Tolerance to adverse temperature/frost/heat/salinity	-
7	Grain characters physical	
	g) Kernel size	Medium slender
	h) Seed lusture (present/absent)	Present
	i) Seed colour	White
8	Grain yield per ha (kg/ha)	4650 kg/ha
9	Seed weight (100 seed weight in g)	1.25g
10	Any other relevant information specific to the variety/hybrid	General plant protections measures to be followed against pest/disease attack.

**145.** Application No. 

E10	GH120	09	229
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 filed on 03.08.2010 by Nuziveedu Seeds Pvt Ltd, NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-500034, Telangana, India for **Extant** variety (VCK) of crop **Tetraploid cotton** (*Gossypium hirsutum* L.) having denomination **NC - 2151** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.----- NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.



**Passport data of the variety** : NC - 2151  
**Applicant** : Nuziveedu Seeds Pvt. Ltd.  
**Address of the applicant** : NSL ICON, No.8-2-684/2/A, Plot No. 1 TO 4, 4th Floor,  
 Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad-  
 500034, Telangana, India  
 Nationality of applicant : Indian  
**Application details**  
 A. Number : 

E10	GH120	09	229
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 B. Date of receipt : 05.05.2009  
 C. Date of acceptance : --  
 Crop (Taxonomical Lipdianeage) : Tetraploid cotton (*Gossypium hirsutum* L.)  
 Denomination : NC - 2151  
 Type of variety : Extant  
 Classification of variety : Other (parental line)  
 Previously proposed denomination : Not applicable  
 Name of parental material : HLS 329 x (NCGP-403 x NCGP-713)  
 Source of parental material : Developed by Nuziveedu Seeds Pvt Ltd  
 Name of reference varieties : G. Cot 16

**Variety Description:**

A. Grouping Characteristics	Remark (measured values)
Leaf : Shape (Characteristic 8)	Palmate
Flower : Petal colour (Characteristic 15)	Cream
Flower : Pollen colour (Characteristic 19)	Cream
Boll : Shape (Characteristic 23)	Ovate
Fibre : Length (Characteristic 33)	Medium Long
<b>B. Distinct characteristics of candidate variety:</b> NC-2151 has distinguishing characters like leaf appearance: cup, seed fuzz: medium and seed index (100 seed wt in gram): medium.	
<b>C. Distinct characteristics reference varieties:</b> G. Cot 16 has distinguishing characters as seed fuzz: sparse and seed index (100 seed wt in gram): bold	
<b>D. Date of commercialization of the variety</b>	25-04-2000
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>

Growth habit (Determinate/Indeterminate)	Semi spreading and indeterminate
Days to flowering/Anthesis (Average)	Medium (50 - 60 days)
Days to physiological maturity (Average)	150-165 days
Seed rate per acre	2 - 3 kg/ac
Recommended Nutrition/acre schedule to attain potential yield and time of application	
Organic (per acre)	5 - 10 tons
Inorganic (per ha)	50 : 20 : 20 NPK kg/ha for irrigated (at sowing) 25 : 25 : 25 NPK kg/ha for rainfed (at sowing)
Spacing (cm) requirement to attain potential yield	Row to row and Plant to plant spacing may be followed based on soil texture, fertility status, irrigation availability, drip irrigation facility, crop rotation etc. Deep Black soil of Madhya Pradesh (Ratlam area): 5 x 1.5 feet or 4 x 2 feet Black Cotton soils of Vidarbha and Marathwada (Maharashtra): 4 x 1.5 feet or 3 x 2 feet or 3.5 x 1.5 feet Karnataka - Heavy soils 3 x 3 feet or 4 x 2 feet, Medium soil - 3 x 2 feet Tamilnadu - Heavy soils 3.5 x 2.5 feet, Medium soils - 3 x 2 feet
Row to row	
Plant to plant	
Soil requirements to attain the potential yield	--
Number of irrigations required to attain potential yield	On black soils: 5-6 irrigations On red/light/sandy loam soils: 8-10 irrigations
The best growing season to attain the potential yield (Zone wise)	South zone and Central zone: <i>khariif</i>
Cropping/climatic zone of India in which the varietal/hybrid trials were conducted	South and Central zone
Intercultural operations (including training, pruning & nipping)	Weed Management

Commercial attributes	Details
Yield of Kapas/acre (Average)	6-8 q/ac for irrigated condition 4-6 q/ac for rainfed condition
Yield of Lint/acre (Average)	2.5-3.0 q/ac for irrigated condition 1.5-2.0 q/ac for rainfed condition
Quality characteristics of the candidate variety	
Colour	White
Ginning (%)	Very High (>37)
Fibre length	Medium Long (25.0 - 27.0 mm)
Fibre strength	Weak (17- 20.0 g/tex)
Fineness (Micronaire value)	Very Fine (<3.0)
Uniformity (%)	Excellent (>47)
Maturity (%)	Good (66-80)
Reaction against major diseases and pests	Tolerance to jassids and moderate tolerance to thrips

146. Application No. 

F432	OS467	15	792
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 filed on **24.04.2015** by **Shashank Kumar Ohdar, Village: Kanthitand, Ratu, Dist: Ranchi** for farmer variety of crop **Rice (*Oryza sativa* L.)** having denomination **Meghjawain** has been accepted and given registration number ----- NA -----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.**

**Passport data of the variety** : **Meghjawain**  
**Applicant** : **Shashank Kumar Ohdar**  
**Address of the applicant** : **Village: Kanthitand, Ratu, Dist: Ranchi**  
**Nationality of applicant** : **Indian**  
**Application details**

F432	OS467	15	792
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a. Number :  
 b. Date of receipt : 24.04.2015  
 c. Date of acceptance : --  
 Crop (Taxonomical lineage) : Rice (*Oryza sativa L.*)  
 Denomination : Meghjawain  
 Type of variety : Farmer  
 Classification of variety : Typical  
 Previously proposed denomination : Not applicable  
 Name of reference varieties : POOJA, IEET 8116, Indira Sugandhit, Samleshwari

**Variety description:**

<b>A. Grouping Characteristics</b>	<b>Remarks (measured values)</b>
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length (excluding panicle; excluding floating rice) (Characteristic 29)	Medium
Decorticated grain: Length (Characteristic 54)	Medium
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium slender
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylose (Characteristic 59)	Low (10-19%)
Decorticated grain: Aroma (Characteristic 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b> Meghjawain has distinguishing character Spikelet colour of tip of lemma: Black	
<b>C. Distinct characteristics of reference variety:</b> POOJA, IEET 8116 have character as Spikelet: Colour of tip of lemma: White Indira Sugandhit, Samleshwari have character as Spikelet: Colour of tip of lemma: Brown	
<b>Agronomic and Commercial Attributes</b>	<b>Remarks</b>
Days to flowering/Anthesis (Average)	77 days after transplanting
Days to Maturity (Early/Medium/Late )	Late
Production condition: suitable area in the country	Low land of Ranchi district
Time Of Sowing	June-July
Irrigated /Ranifed	Irrigated
Low fertility /High fertility of Soil	High fertility of soil
Tolerance to Disease and Pests	No occurrence of disease & pests

Tolerance to adverse Temperature/ Frost/Heat/Salinity	-
Grain characters physical	
a) Kernal size	8.0 mm
b) Seed lustre (Present/Absent)	Absent
c) Seed colour	Black (Light)
Grain yield per hectare (kg/ha)	4416 kg/ha in SRI
Panicle Length	26.8 cm
Test Wt. (in Gm)	-
Any other relevant information specific to the variety/Hybrid to attain potential yield	<ul style="list-style-type: none"> <li>• Transplanting after 15 day of nursery raising</li> <li>• Line sowing with spacing of 25 cm</li> <li>• PSB application</li> <li>• Broadcasting of Azolla after 10 days of transplanting</li> </ul>

147. Application No. 

F719	OS776	15	1807
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 filed on 29.09.2015 by **Amarkan**  
**Rural Socio-Environmental Welfare Society (ARSW Society), Village: Ranbahal, PO:**  
**Amarkan, Dist: Bankura** for **Farmer** variety of crop **Rice (*Oryza sativa L.*)** having  
denomination **CHATUI MUKHI** has been accepted and given registration number -----NA --  
-----on ----- NA -----.

The convention application no. -----NA-----, in respect of the said variety has been filed on  
-----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of  
Plant Varieties and Farmers' Rights Rules, 2003 is **Office of the Registrar, PPV&FR Authority,**  
**New Delhi – 110 012.**

**Passport data of the variety** : CHATUI MUKHI  
**Applicant** : Amarkan Rural Socio-Environmental Welfare Society  
(ARSW Society)  
**Address of the applicant** : Village: Ranbahal, PO: Amarkan, Dist: Bankura  
**Nationality of applicant** : Indian  
**Application details**  
a. Number : 

F719	OS776	15	1807
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b. Date of receipt : 29.09.2015  
c. Date of acceptance : --  
**Crop (Taxonomical lineage)** : Rice (*Oryza sativa L.*)  
**Denomination** : Meghjawain  
**Type of variety** : Farmer  
**Classification of variety** : Typical

Previously proposed

denomination

: Not applicable

Name of reference varieties

: PTB 10, BPT-5204, T-23

**Variety description:**

<b>A. Grouping Characteristics</b>	<b>Remarks (measured values)</b>
Basal leaf: Sheath colour (Characteristic 2)	Green
Time of heading (50% of plants with panicles) (Characteristic 20)	Medium
Stem: Length (excluding panicle; excluding floating rice) (Characteristic 29)	Very short
Decorticated grain: Length (Characteristic 54)	Short
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Short bold
Decorticated grain: Colour (Characteristic 57)	White
Endosperm: Content of amylose (Characteristic 59)	Very high
Decorticated grain: Aroma (Characteristic 62)	Present
<b>B. Distinct characteristics of candidate variety:</b> <b>CHATUI MUKHI</b> has distinguishing character Panicle length of main axis Long (26-30 cm), Panicle Exertion: Well exerted, Decorticated grain Length Short.	
<b>C. Distinct characteristics of reference variety:</b> <b>PTB 10</b> has distinguishing character Panicle length of main axis Short, Panicle Exertion: Mostly exerted, Decorticated grain Length Medium. <b>BPT-5204</b> has distinguishing character Panicle length of main axis Very short, Panicle Exertion: Mostly exerted, Decorticated grain Length Short. <b>T-23 5204</b> has distinguishing character Panicle length of main axis Long (26-30 cm), Panicle Exertion: Mostly exerted, Decorticated grain Length Long	
<b>Agronomic and Commercial Attributes</b>	<b>Remarks</b>
Days to flowering/Anthesis (Average)	80 days
Days to Maturity (Early/Medium/Late )	Late
Production condition: suitable area in the country	Red and lateritic agroclimatic zone of the West Bengal
Time of Sowing	Kharif season (June-July to September-October)
Irrigated /Ranifed	Rainfed
Low fertility /High fertility of Soil	Low fertility
Tolerance to Disease and Pests	No
Tolerance to adverse Temperature/ Frost/Heat/Salinity	No

Grain characters physical	
a) Kernal size	Short Bold
b) Seed lustre (Present/Absent)	Absent
c) Seed colour	Gold and gold furrows on straw
Grain yield per hectare (kg/ha)	1173 kg/ha
Seed weight (100 seed weight in g)	1.37 g/100 seeds
Test weight. (in g) Any other relevant information specific to the variety/Hybrid to attain potential yield	Fragrant variety

148. Application No. 

E53	OS355	16	1324
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 filed on 30.08.2016 by **Acharya N.G. Ranga Agricultural University** for **Extant** variety (Notified under Section 5 of the Seeds Act,1966) of crop **Rice (*Oryza sativa* L.)** having denomination **AMARA (MTU-1064)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : AMARA (MTU-1064)  
**Applicant** : Acharya N.G. RangaAgricultural University  
Address of the applicant : AP Rice Research Institute, ANGRAU, Maruteru, 534 122

**Application details**

E53	OS355	16	1324
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A. Number :  
B. Date of receipt : 30.08.2016  
C. Date of acceptance : -

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)  
Denomination : AMARA (MTU-1064)  
Type of variety : Extant (Notified under Section 5 of the Seeds Act,1966)  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : PLA-1100 x MTU-1010  
Source of parental material : Own germplasm

Name of reference varieties : MTU-7029

Notification Details : Number: S.O. 211(E). Dated: 29.01.2010

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal leaf: Sheath colour (Characteristics 2)	Green
Time of heading: (50% of plant with panicles) (Characteristics 20)	Late
Stem length excluding panicles: (Characteristics 29)	Short
Decorticated grain length (Characteristics -54)	Medium
Decorticated grain: shape (in lateral view) (Characteristics -56)	Medium slender
Decorticated grain: colour (Characteristics 57)	Light brown
Endosperm: content of amylase (Characteristics 59)	Intermediate/Medium
Decorticated grain: aroma (Characteristics 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b>	
<p><b>AMARA (MTU-1064)</b> has distinguishing character as Leaf pubescence of blade surface: Medium; Leaf anthocyanin colouration of auricles: Present, Stem length: Short, Panicle length of main axis: Long, Flag leaf: attitude of blade: Erect, Panicle curvature of main axis: Semi straight, Spikelet: colour of tip of lemma: White Panicle: attitude of branches: Semi erect to spreading; Panicle: exertion: Well exerted Decorticated grain: shape: Medium slender; Decorticate grain colour: Light Brown Endosperm: content of amylose: Intermediate/Medium</p>	
<b>C. Distinct characteristics of Reference varieties:</b>	
<p><b>MTU-7029</b> have distinguishing character as has distinguishing character as Leaf pubescence of blade surface: Strong; Leaf anthocyanin colouration of auricles: Colourless Stem length: Very short; Panicle ; length of main axis: Medium; Flag leaf: attitude of blade: Semi erect; Panicle: curvature of main axis:Deflexed; Spikelet: colour of tip of lemma:Yellowish; Panicle: attitude of branches:Erect to semi erect; Panicle: exertion: Partially exerted; Decorticated grain: shape: Short bold; Endosperm: content of amylose:High</p>	
<b>D. Date of commercialization of the variety</b>	---
<b>E. Agronomic and commercial attributes</b>	



<b>Agronomic attributes</b>	<b>Details</b>
Days to flowering/Anthesis (Average) seeding to flowering and seed to seed	115-120 days
Seed rate	50 kg/ha
Days to physiological maturity (Average)	140-150 days
Production Condition : Suitable Area In The Country	Krishna and Godavari Zones
Grain kernel size	Length 5.69 mm:Breadth 2.06mm and L/B ratio 2.77
Grain weight (1000 grain weight in gram)	19.4 g
Average yield of grain	6.5 tons/ha
Plant height	115cm
Fertilizer responsiveness	Non- lodging, grain shattering low (<2%) Fertilizer responsive up to 60kg N/ha Suitable for kharif: both early and late sown
Response to major pest/diseases	Tolerant to BLB and leaf blast; resistant to BPH

149. Application No. 

E11	OS25	19	103
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 filed on 09.07.2019 by **Navsari Agricultural University** for **Extant** variety (Notified under Section 5 of the Seeds Act, 1966) of crop **Rice** (*Oryza sativa*L.) having denomination **GNR-5 (NVSR-6137)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

**Passport data of the variety** : GNR-5 (NVSr-6137)  
**Applicant** : Navsari Agricultural University  
**Address of the applicant** : Main Rice Research Centre, Navsari Agricultural University ,  
 Navsari, Gujarat 396450

**Application details**

a. Number : 

E11	OS25	19	103
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 b. Date of receipt : 09.07.2019  
 c. Date of acceptance : --  
 Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)  
 Denomination : GNR-5 (NVSr-6137)

Type of variety : Extant (Notified)  
 Classification of variety : Typical  
 Previously proposed denomination : Not applicable  
 Name of parental material : Jaya, GR-6  
 Source of parental material : Own Germplasm  
 Name of reference varieties : NAUR-1(C)  
 Notification Details : Number: S.O. 1379 (E). Dated: 27.03.2018

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal leaf: Sheath colour (Characteristics 2)	Light Purple
Time of Heading (50% of plants With Panicals): Characteristics 20)	Medium
Stem: length: (Excluding Panicles) Characteristics (29)	Medium
Decorticated :grain Length Characteristics(54)	Long
Decorticated grain: Shape (Characteristics 56)	Long Slender
Decorticated grain: colour (Characteristics 57)	White
Endosperm: content of amylose (Characteristics 59)	Medium
Decorticated grain: aroma (Characteristics 62)	Absent

<b>B. Distinct characteristics of candidate variety:</b> GNR-5 (NVSR-6137) has distinguishing character as Basal leaf Sheath colour: Light purple, Leaf Colour of ligule:White, Panicle Length of main axis: Medium, Lemma and palea colour: Straw	
<b>C. Distinct characteristics of Reference varieties:</b> NAUR-1(C) has distinguishing character as Basal leaf Sheath colour :Green; Leaf Colour of ligule:Light purple; Panicle Length of main axis: long, Lemma and palea colour: Gold and Gold furrows on straw background	
<b>D. Date of commercialization of the variety</b>	2017
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Days to flowering Anthesis (Average 50%)	100-105 days
Days to physiological maturity (Average)	130-135 days
Production condition : suitable area in the country	North West Zone Irrigated transplanted rice area of Gujrat
Sowing/Transplanting time	Sowing: 1 <sup>st</sup> fortnight of June Transplanting time : 1 <sup>st</sup> July to 15 <sup>th</sup> July
Number of irrigation	4 to 5 irrigation in <i>kharif</i> season
Grain weight (1000 grain weight in gram)	24.7 - 25.2 gm
Spacing requirement to attain potential yield	R x R: 20 cm P x P: 15 cm
Average yield of Seed	5500 kg/ha
Plant height	120-125 cm
Fertilizer requirement	Recommended dose of fertilizer N:P:K 40:12:00 kg/ac 4 t FYM/ac 8 kg/ZnSO <sub>4</sub> per ac

Intercultural operation	Butachlor @1.5 kg ai/ha as pre emergence fb 2 hand weeding at 15 days interval
Plant protection	Pest: <ul style="list-style-type: none"> <li>➤ Stem borer: Carbofuran 3G @25kg/ha</li> <li>➤ Sheath mite: Quinalphos @20ml/10 L</li> </ul> Disease <ul style="list-style-type: none"> <li>➤ BLB: Two sprays of 50 ppm Streptocycline +500 ppm Copper Oxychloride</li> <li>➤ Sheath Rot: 3 sprays of Mancozeb 3 g/L or Propiconazole 1 ml/L at 10 days interval</li> </ul>

150. Application No. 

N4	GH4	17	18
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 filed on 23.01.2017 by **Mahatma Phule Krishi Vidhyapeeth** for **Extant variety** (Notified under Section 5 of the Seeds Act, 1966) of crop **Tetraploid cotton (*Gossypiumhirsutum* L.)** having denomination **RHB-0711(PhuleDhara)** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110 012.

**Passport data of the variety** : RHB-0711(Phule Dhara)  
**Applicant** : Mahatma PhuleKrishiVidhyapeeth  
**Address of the applicant** : MPKV, Rahuri, Dist.Ahmednagar, Maharashtra- 413722,

Nationality of applicant : Indian

**Application details**

A. Number : 

N4	GH4	17	18
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B. Date of receipt : 23.01.2017

C. Date of acceptance : --

Crop (Taxonomical Lineage) : Tetraploid cotton (*Gossypiumhirsutum*L.)

Denomination : RHB-0711(PhuleDhara)

Type of variety : Extant (Notified)

Classification of variety : Hybrid

Previously proposed denomination : Not applicable

Name of parental material : RHCr-0515, Giza-7  
 Source of parental material : Own germplasm.  
 Name of reference varieties : DCH-32, PHULE-388  
 Notification Details : Number: S.O. 2238 (E). Dated: 29. 06.2016

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Leaf : Shape (Characteristics 8)	Semi- digitate
Flower : Petal colour (Characteristics15)	Yellow
Flower :Pollen colour (Characteristics19)	Deep Yellow
Boll:Shape (Characteristics 23)	Elliptic
Fibre : Length (Characteristics 33)	Extra long
<b>B. Distinct characteristics of candidate variety:</b> <b>RHB-0711(Phule Dhara)</b> has distinguishing character as Leaf colour: Green; Flower: pollen colour: Deep Yellow; Seed : fuzz colour: White; Fiber : Uniformity: Excellent; Fiber: Fineness :Fine	
<b>C. Distinct characteristics of Reference varieties:</b> <b>DCH-32</b> has Distinguishing Character as Leaf:colour: Light Green;Flower: pollen colour: yellow; Seed : fuzz colour: Green; Fiber : Uniformity: Good; Fiber: Fineness :Fine <b>Phule-388</b> have distinguishing character as Leaf:colour: Green;Flower: pollen colour: Deep Yellow; Seed : fuzz colour: Green; Fiber : Uniformity: Good; Fiber: Fineness : Very Fine	
<b>D. Date of commercialization of the variety</b>	-
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth habit (Determinate/Indeterminate)	Spreading
Days to flowering/Anthesis (Average)	Late(>60 days)
Days to physiological maturity (Average)	170-180 days
Seed rate per ha	2.5-3.0 kg/ha
Recommended Nutrition/acre schedule to attain potential yield and time of application	

Organic (per ha)	5-10 tons
Inorganic (per ha)	Basal dose: at sowing 50:50:50 NPK (kg/ha) and second dose 30 day after sowing 50kg N/ha
Spacing (cm) requirement to attain potential yield	RxR: 120 cm PxP: 90 cm
Soil requirements to attain the potential yield	Medium to deep, well drained soils.
Number of irrigations required to attain potential yield	8-10 irrigation
The best growing season to attain the potential yield	Maharashtra, Madhya Pradesh, Gujarat
Name the cropping/climatic zone of India in which the varietal/hybrid trials were conducted	Irrigated condition
Intercultural operations (including training, pruning & nipping)	Hoeing and hand weeding
<b>Commercial attributes</b>	<b>Details</b>
Yield of Cotton /ha (Average)	30 q/ha
Quality characteristics of the candidate variety	
Fuzz: Colour	White
Ginning (%)	Medium
Fibre length	Extra long
Fibre strength	Strong
Fineness (Micronaire value)	Fine
Fire Uniformity (%)	Good
Fire Maturity (%)	Very Good
Reaction against major diseases and pests	Moderately resistant to sucking pest and bollworms.

151. Application No. 

N12	OS65	13	177
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 filed on 01-04-2013 by **Indian Council of Agricultural Research**, for **Extant variety**(Notified under **Section 5 of the Seeds Act, 1966**) of crop **Rice** (*Oryza sativa*L.) having denomination **CR Dhan 500 (IET 20220)** has been accepted and given registration number -----NA -----on ----- NA ----- .The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

**Passport data of the variety** : CR Dhan 500 (IET 20220)  
**Applicant** : Indian Council of Agricultural

**Address of the applicant** : Indian Council of Agricultural Research, KrishiBhawan  
New Delhi-110001

Nationality of applicant : Indian

**Application details**

A. Number	:	N12	OS65	13	177
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B. Date of receipt : 01-04-2013

C. Date of acceptance :

Crop (Taxonomical Lipdianeeage) : Rice (*Oryza sativa* L.)

Denomination : CRDhan 500 (IET 20220)

Type of variety : Extant (Notified)

Classification of variety : Typical Variety

Previously proposed denomination : Not applicable

Name of parental material : Ravana x Mahsuri

Source of parental material : Own Germplasm

Name of reference varieties : Panidhan

Notification Details : Number: S.O. 1708 (E). Dated: 26.07.2012

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal Leaf: Sheath Colour (Characteristics2)	Green
Time of Heading (50%of plants With Panicles): (Characteristics20)	Very late
Stem: length (excluding Panicles(Characteristics 29)	Long
Decorticated grain: length (Characteristics54)	Medium
Decorticated grain:Shape (in lateral view) (Characteristics56)	Medium slender
Decorticated grain:colour (Characteristics57)	White
Endosperm: content of amylose (Characteristics59)	Medium
Decorticated grain: aroma (Characteristics62)	Absent
<b>B. Distinct characteristics of candidate variety:</b>	
CR Dhan 500 (IET 20220) has distinguishing character as Flag leaf; Attitude of blade (late observation) is Semi-erect; Panicle: number per plant is few; Spikelet; colour of tip of lemma is white; Panicle: attitude of branches is semi erect	

<b>C. Distinct characteristics of reference varieties:</b>	
<b>Panidhanhas</b> distinguishing character as: Flag leaf; Attitude of blade (late observation) is horizontal; Panicle: number per plant is medium; Spikelet; colour of tip of lemma is brown Panicle; attitude of branches semi erect to spreading	
<b>D. Date of commercialization of the variety</b>	-
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Day to flowering/Anthesis (Average)	105 day
Day to Maturity	135 day
Plant Height	140-155 cm
Production condition: suitable area in the country	Kharif (Zone-III: Orissa & Uttar Pradesh)
Time of sowing Irrigated/Rained Low fertility/High fertility of soil	Rained
Fertilizer requirement	40:20:20 NPK kg/ha
Spacing	RxR:30 cm PxP:20 cm
Seed Rate	25 kg/ac
<b>Commercial attributes</b>	
Seed yield t/ha	3.4t/ha
Seed: Weight (1000 seed weight in gm)	24 g
Any other relevant information specific to the variety/ Hybrid to attain potential yield	-

152. Application No. 

E1	OS39	16	229
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 filed on 16.03.2016 by **Navsari Agricultural University** for **Extant variety** (Notified under Section 5 of the Seeds Act, 1966) of



crop **Rice** (*Oryza sativa*L.) having denomination **GNR-3** has been accepted and given registration number -----NA -----on ----- NA -----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

**Passport data of the variety** : GNR-3  
**Applicant** : NavsariAgricultural University  
**Address of the applicant** : Navsari Agricultural University, Navsari-396450  
Application details  
A. Number : 

E1	OS39	16	229
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B. Date of receipt : 16.03.2016  
C. Date of acceptance : -  
Crop(Taxonomical Lineage) : Rice (*Oryza sativa* L.)  
Denomination : GNR-3

Type of variety : Extant (Notified)  
Classification of variety : Typical  
Previously proposed denomination : Not applicable  
Name of parental material : IR-28 x GR-4  
Source of parental material : Own material  
Name of reference varieties : Gurjari  
Notification Details : Number: S.O. 112 (E). Dated: 12. 01.2016

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal leaf: Sheath colour (Characteristics 2)	Light purple
Time of heading: (50% of plant with panicles) (Characteristics20)	Early
Stem:length (Characteristics29)	Short
Decorticated grain length (Characteristics54)	Long
Decorticated grain: Shape (Characteristics56)	Long Bold
Decorticated grain: Colour (Characteristics57)	White

Endosperm: content of amylose (Characteristics59)	Medium
Decorticated grain: aroma (Characteristics62)	Absent
<b>B. Distinct characteristics of candidate variety:</b> <b>GNR-3</b> has distinguishing character as Basal leaf: Sheath colour: Light purple Leaf: length of blade: Medium Time of Heading: (50% of plant with panicles): Early Flag leaf: Attitude of blade (late observation) Semi- erect	
<b>C. Distinct characteristics of reference variety:</b> <b>Gurjari</b> has distinguishing character as Basal leaf: Sheath colour: Purple lines Leaf: length of blade: Short Time of heading: (50% of plant with panicles): Medium Flag leaf: Attitude of blade (late observation):Horizontal	
<b>D. Date of commercialization of the variety</b>	01.05.2011
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Growth Habit (Determinate/Indeterminate)	Indeterminate Plant Type:Erect Plant Height:121-125cm Foliage: Green with strong culm, Non Lodging Panicle:Compact, length: 23-26cm Spikelet:Awnless
Days to flowering/Anthesis (Average)	84-88 days
Days to physiological maturity (Average)	115-120 days
Seed Rate /ha	12kg/ha
Spacing(cm)	Row x Row: 20cm Plant x Plant: 15cm
Time of sowing	Irrigated : 1 <sup>st</sup> July to 15 <sup>th</sup> July transplanting
Number of irrigations required potential yield	4 to 5 during Kharif season
Name the cropping/ climate zone of India in which the varietal/ Hybrids trials were conducted	North west zone: Irrigated and Rained transplanted area in Gujarat

Grain kernel size	Length 9.59 mm, Breadth 2.97mm and L/B ratio 3.23
Average yield of Seed	4500-5500 kg/ha
Fertilizer responsiveness	Organic: 4 tones FYM/ac Inorganic:40:12:00 NPK kg/ha

153. Application No. 

E1	OS1	19	2
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 filed on 11-01-2019 by **University of Agricultural and Horticultural Sciences, Shivamogga** for **Extant** variety (Notified under Section 5 of the Seeds Act, 1966) of crop **Rice** (*Oryza sativa* L.) having denomination **KHP-10** has been accepted and given registration number -----NA -----on ----- NA ----.

The convention application no.-----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

<b>Passport data of the variety</b>	<b>: KHP-10</b>				
<b>Applicant</b>	: University of Agricultural & Horticultural Sciences				
<b>Address of the applicant</b>	: Director of Research, UAHS, Navile, Shivamogga, Pin 577204				
Nationality of applicant	: Indian				
<b>Application details</b>					
a. Number	: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>E1</td><td>OS1</td><td>19</td><td>2</td></tr></table>	E1	OS1	19	2
E1	OS1	19	2		
b. Date of receipt	: 11-01-2019				
c. Date of acceptance	:				
Crop Taxonomical Lineage)	: Rice ( <i>Oryza sativa</i> L.)				
Denomination	: KHP-10				
Type of variety	: Extant (Notified)				
Classification of variety	: Typical Variety				
Previously proposed denomination	: Not applicable				
Name of parental material	: (M-63-83xRP-79-5) x RikutoNorin21				
Source of parental material	: RikutoNorinis an exotic source				

Name of reference varieties : KHP-2, IET-7191

Notification Details : Number: S.O. 2187 (E). Dated: 27.08.2009

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal Leaf: Sheath Colour (Characteristic 2)	Green
Time of Heading (50% of plants with Panicles): (Characteristic 20)	Late
Stem: length (excluding Panicles) (Characteristic 29)	Medium
Decorticated grain: length (Characteristic 54)	-
Decorticated grain: Shape (in lateral view) (Characteristic 56)	Medium bold
Decorticated grain: colour (Characteristic 57)	Red
Endosperm: content of amylose (Characteristic 59)	-
Decorticated grain: aroma (Characteristic 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b> KHP-10 has distinguishing character as Stem: length: Short; Panicle: Presence of Secondary branching: Absent; Sterile lemma: Colour: Absent; Grain weight: Very High; Decorticated Grain Shape: Medium Bold	
<b>C. Distinct characteristics of Reference varieties:</b> KHP-2 have distinguishing character as Stem: length: Very Short; Panicle: Presence of Secondary branching: Present; Sterile lemma: Colour: Present; Grain weight: Very High; Decorticated Grain Shape: Long Bold IET-7191 have distinguishing character as: Stem: length: Very Short; Panicle: Presence of Secondary branching: Absent; Sterile lemma: Colour: Absent; Grain weight: High; Decorticated Grain Shape: Medium Bold	
<b>D. Date of commercialization of the variety</b>	May 2006
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Day to flowering/Anthesis (Average)	120-125 days
Day to Maturity (Early/Medium/Late)	150-155 days (medium)
Plant Height	95-100 cm
Production condition: suitable area in the country	Midlands of hill zone of Karnataka in kharif
Time of sowing	Within 2 <sup>nd</sup> fortnight of June

Fertilizer requirement	75:75:87.5 NPK kg/ha
Spacing	15 x 10 cm
Seed Rate	62.5 kg/ha
<b>Commercial attributes</b>	
Grain characters Physical	Medium bold
a. Kernel size	-
b. Seed lustre(Present/Absent)	-
c. Seed colour	Red
Grain yield (kg/ha)	5000-5300 kg/ha
1000 grain weight	30-32 g

154. Application No. 

E2	OS2	19	3
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 filed on 11.01.2019 by **University of Agricultural and Horticultural Sciences, Shivamogga 577 024** for **Extant** variety (Notified under Sec 5 of Seeds Act, 1966) of crop **Rice (*Oryza sativa* L.)** having denomination **KHP-13 (Bharath)** has been accepted and given registration number -----NA -----on -----  
 ---- NA -----The convention application no.-----NA-----, in respect of the said variety has been filed on ----NA-----, in ---NA-----.

Appropriate office for the opposition of proceeding under Rule 29, of the Protection of Plant Varieties and Farmers' Rights Rules, 2003 is Office of the Registrar, PPV&FR Authority, New Delhi – 110012.

**Passport data of the variety** : KHP-13 (Bharath)  
**Applicant** : University of Agricultural and Horticultural Sciences  
 Address of the applicant : Director of Research, UAHS, Shivamogga 577 024  
 Application details  
 A. Number : 

E2	OS2	19	3
----	-----	----	---

  
 B. Date of receipt : 11.01.2019  
 C. Date of acceptance : --  
 Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)  
 Denomination : KHP-13 (Bharath)  
 Type of variety : Extant (Notified)  
 Classification of variety : Typical  
 Previously proposed denomination : -

Name of parental material : Indravati x IR62181-B-49  
Source of parental material : Own germplasm  
Name of reference varieties : KHP-9, Intan  
Notification Details : Number: S.O. 6318(E). Dated: 26.12.2018

**Variety Description:**

<b>A. Grouping Characteristics</b>	<b>Remark (measured values)</b>
Basal leaf: sheath colour (Characteristic 2)	Green
Time of heading (50% of plant with panicles) (Characteristic 20)	Late
Stem length:(excluding panicles) (Characteristic 29)	Medium
Decorticated grain: length (Characteristic 54)	-
Decorticated grain: shape (in lateral view) (Characteristic 56)	Medium Slender
Decorticated grain:colour (Characteristic 57)	White
Endosperm: content of amylase (Characteristic 59)	-
Decorticated grain: aroma (Characteristic 62)	Absent
<b>B. Distinct characteristics of candidate variety:</b>	
<b>KHP-13 (Bharath)</b> has distinguishing character as Colour of Stigma : White; Stem Length: Medium; Flag Leaf: Attitude Of Blade (Late Observation ) : Erect; Panicle: Presence of secondary branching: Absent; Time of Maturity:Late; Decorticated grain: Shape: Medium Slender	
<b>C. Distinct characteristics of Reference varieties:</b>	
<b>KHP-9</b> has distinguishing character as time of maturity: is Very Late; Decorticated grain: shape is Medium bold	
<b>Intan</b> has distinguishing character as Spiklet: Colour of Stigma is Purple; Stem: Length is Short; Flag Leaf: Attitude Of Blade (Late Observation ) is Semi-erect	
<b>D. Date of commercialization of the variety</b>	May,2016
<b>E. Agronomic and commercial attributes</b>	
<b>Agronomic attributes</b>	<b>Details</b>
Days to flowering/Anthesis (Average)	135-140 days
Days to physiological maturity (Average)	165-170 days
Production condition : suitable area in the country	Low lands of hill zone of Karnataka in Kharif

Time of sowing -1 st week of June	
Grain kernel size	Length 4.2 mm, Breadth 2.3 mm and L/B ratio 1.83
Grain weight (1000 grain weight )	20-21 g
Average yield of grain	5000 - 5500 kg/ha
Seed Rate	62.5 kg per/ha
Spacing	15 x 20cm
Plant height	105-110 cm
Fertilizer level	75:75:90 kg NPK/ha

**Guidelines**  
**for the Conduct of Test for**  
**Distinctiveness, Uniformity and Stability**  
**On**  
**Pointed Gourd**  
**(*Trichosanthes dioica* Roxb.)**



**Protection of Plant Varieties and Farmers' Rights**  
**Authority**  
**(PPV & FRA)**  
**Government of India**



## Contents

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## Pointed Gourd (*Trichosanthes dioica* Roxb.)

### I. Subject

These test guidelines apply to all cultivars/ varieties/ hybrids and parental clones of pointed gourd (*Trichosanthes dioica* Roxb.;  $2n=22$ )

### II. Planting material required

1. The Protection of Plant Varieties and Farmers' Rights Authority shall decide when, where and in what quantity and quality of planting material is required for testing a variety denomination applied for registration under the Protection of Plant Varieties and Farmers' Rights (PPV & FR) Act, 2001. Applicants submitting planting materials from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations and regulations are complied with. The minimum quantity of planting material of cultivars/varieties/hybrids and parental clones to be supplied by the applicant should be 50 (fifty) tuberous root/ rooted vine cuttings (having minimum 3 nodes) in polybag in case of candidate varieties/hybrids under new category and 25 (twenty five) tuberous root/ rooted vine cuttings in polybag for extant varieties. Being a perennial crop the same plant of the 1st year shall be evaluated in case of new varieties. The planting materials (tuberous root cuttings, 8-10 cm long and of pencil thickness or /rooted vine cuttings in polybag) should meet the physical purity and genetic purity as prescribed for seed certification in India. Especially for *In situ* storage, which requires a higher standard, the applicant should state the actual sprouting percentage, which should be as high as possible.
2. The planting materials should be visibly healthy, not lacking in vigour or affected by any pest/diseases.
3. The planting materials must not have undergone any treatment unless the Competent Authority allow or request such treatment. If it has been treated, full details of the treatment must be given.

### III. Conduct of tests

1. The minimum duration of tests shall normally be two independent but similar growing seasons (transplanting during September and October) with reference to the ecosystem/adaptation of

the variety submitted for DUS testing under new category and one season for varieties under farmer's or varieties of common knowledge category.

2. The test shall normally be conducted at least at two test locations. If essential characteristics of candidate variety are not expressed for visual observation at these locations, the variety shall be considered for further examination at another appropriate test site or under special test protocol on expressed request of the applicant, for which additional quantity of planting material shall be required.
3. The field test shall be carried out under conditions ensuring normal growth and expression of all test characteristics. The size of the plot should be such that plants or parts of plant may be removed for measuring and counting without prejudice to the observation which must be made up to the end of the growing period. The plant shall be grown on raised bed so that observation of individual plant may be carried out. Each test shall include a minimum of 36 plants, which should be divided among three replications. Separate plots for observation and for measurement, can only be used if they have been subjected to similar environmental conditions. All testing materials shall be manually pollinated for better expression of fruit characters. Observation should be recorded from 10 plants from each replication.
4. Test plot design shall be as follows:

Number of rows in each bed	:	2
(15-20 cm raised bed)		
Row length	:	6.0 m
Row to row distance	:	1.5 m
Plant to plant distance	:	1.0 m
Number of replications	:	3
5. Four male plants should be kept in a separate row in each test plot.

#### **IV. Methods and observations**

1. The traits described in the table of characteristics (section VII) shall be used for the testing of candidate/reference varieties for DUS.
2. For the assessment of distinctiveness, uniformity and stability, observation shall be made on 30 plants or parts of plants, which should be divided among 3 replications (10 plants in each replication).

3. For the assessment of uniformity of characteristics on the plot as a whole (visual assessment by a single observation of a group of plants or parts of plant), 30 plants are considered for observations and any other observations should be made on all plants in the test.
4. For the assessment of colour characteristics, latest Royal Horticulture Society (RHS) colour chart shall be used.
5. Number of side shoots per branch will be recorded as the number of secondary branches arising from the primary branch.
6. Number of off types shall be nil as the crop is vegetatively propagated.
7. Observations on leaf characters should be made on the widest portion of the fully developed leaf (between 15<sup>th</sup> and 20<sup>th</sup> node).
8. Observations on the flowers shall be made on node number at which first female flower appears in 50 % populations.
9. Observations on the male plant shall be made on node number at which first male flower appears.
10. All observations on fruits set by hand pollination shall be made on fruits around 12 days after anthesis (marketable maturity) at the first harvesting.
11. All observations on the seed shall be made on fully developed and dry seed after washing and drying in the shade.
12. Stages for recording of different observation on specific characteristics will follow:

<b>Description</b>	<b>Code</b>
A Active vegetative phase	: 10
B 50% flowering stage (when 50% of the plants produce single flower or 1 <sup>st</sup> flower)	: 20
C Fruits attaining marketable maturity (12 days after anthesis)	: 30
D Fruit ripening stage	: 40

## **V. Grouping of varieties**

1. The selected varieties to be grown in the trial should be divided into groups to facilitate the assessment of distinctiveness. Characteristics, which are suitable for grouping purpose, are those which are known from experience not to vary, or to vary only to lesser extent, within a

variety. The states of expression (even produced at different locations) should be fairly and evenly distributed throughout the collection.

- The following characteristics shall be used for grouping of pointed gourd cultivars/ varieties/ hybrids and parental clones.

<b>Sl. No.</b>	<b>Plant parts</b>	<b>: Characteristics</b>
<b>a.</b>	Leaf: Shape	: (Characteristic 2)
<b>b.</b>	Fruit: Shape	: (Characteristic 15)
<b>c.</b>	Fruit: Skin primary colour	: (Characteristic 16)
<b>d.</b>	Fruit: Surface colour pattern	: (Characteristic 17)
<b>e.</b>	Fruit: Length	: (Characteristic 19)

## **VI. Characteristics and symbols**

- To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of characteristics (section VII) shall be used.
  - Notes (1-9) shall be used for the purpose of recording and electronic processing of data, is given against the states of the different characteristics.
  - Legend
- (\*) Characteristics that shall be used during every growing period for the examination of all the cultivars/ varieties/ hybrids and parental clones shall always be included in the description of the variety, except when the state of expression of preceding phenological characteristic or environmental conditions at the test location. Under such exceptional circumstances, adequate explanation shall be provided.
- (+) See explanation on the Table of characteristic in section VIII.
- Type of assessment of characteristics indicated in column 7 of table of characteristics (Section VII) is as follows.

<b>Type of assessment</b>	<b>: Measurement/Visual</b>
MG	: Measurement by a single observation of a group of plants or parts of plants
MS	: Measurement of a number of individual plant or parts of plants
VG	: Visual assessment by a single observation of a group of plants or parts of plants
VS	: Visual assessment by observation of individual plant or parts of plants

## VII. Table of Characteristics

S. No.	Characteristics	States	Notes	Example varieties	Stage of Observation	Type of assessment
1 (+)	Stem: Shape	Round	3	-----	10	VS
		Angular	5	Swarna Rekha, Swarna Alaukik		
2 (*) (+)	Leaf: Shape	Auriculate	3	BCPG-4, Kashi Suphal	10	VS
		Cordate	5	BCPG-1, Kashi Amulya		
3 (+)	Leaf: Margin	Entire	3	-----	10	VS
		Undulate	5	BCPG-3, Swarna Alaukik		
		Lobed	7	VRPG-221		
4	Stem: Number of secondary branches up to 20 <sup>th</sup> node	Few(<5)	3	BCPG-3	20	MS
		Medium (5-9)	5	BCPG-16, Kashi Alankar		
		Many(>9)	7	Swarna Rekha, Swarna Alaukik		
5	Stem: Node number at which 1 <sup>st</sup> female flower appears on the main vine (indicates earliness)	Early maturity (<12 <sup>th</sup> node)	3	BCPG-4	20	MS
		Medium maturity (13-15 <sup>th</sup> node)	5	Swarna Rekha, BCPG-27		
		Late maturity (>15 <sup>th</sup> node)	7	BCPG-6		
6	Stem: Intensity of Pubescence	Sparse	3	BCPG-3, Narendra Parwal-520	20	VG
		Dense	7	Swarna Alaukik, Narendra Parwal-260		
7 (+)	Leaf blade: Length (cm)	Small (< 7)	3	BCPG-16	20	MG
		Medium (7-10)	5	Swarna Alaukik, Swarna Rekha		
		Long (> 10)	7	Kashi Suphal, Kashi Alankar		
8 (+)	Leaf blade: Width (cm)	Narrow (< 6)	3	VRPG-220, Kashi Amulya	20	MG
		Medium (6-9)	5	Swarna Alaukik, Swarna Rekha		
		Broad (> 9)	7	BCPG- 26		
9	Leaf blade size: Length/width ratio (cm)	Small (< 1.0)	3	-	20	MG
		Medium (1.0-1.4)	5	Kashi Amulya, Swarna Rekha		
		Large (> 1.4)	7	Kashi Suphal		

S. No.	Characteristics	States	Notes	Example varieties	Stage of Observation	Type of assessment
10	Leaf lobes	Absent	1	Kashi Amulya, Kashi Suphal	20	VS
		Present	9	VRPG-221		
11 (+)	Leaf blade: Depth of lobing	Shallow	3	Swarna Rekha	20	VS
		Medium	5	BCPG-4		
		Deep	7	BCPG-6, BCPG-16		
12	Petiole: length (cm)	Short (< 2)	3	BCPG-16, Kashi Alankar	20	MS
		Medium (2-4)	5	Swarna Rekha		
		Long (> 4)	7	BCPG-17, BCPG-25		
13	Flower: Sex type	Dioecious	1	BCPG-4, Narendra Parwal-604	30	MS
		Gynomonoecious	3	-----		
14	Fruit: Peduncle attachment	Soft	3	BCPG-16, Narendra Parwal-504	30	VG
		Hard	5	BCPG-37, VRPG-221, Kashi Suphal		
15 (*) (+)	Fruit: Shape	Club shaped	1	BCPG-27	30	VS
		Cylindrical	2	BCPG-6, VRPG-126		
		Oval	3	BCPG-1, VRPG-103		
		Spindle	4	BCPG-36		
		Elongated Spindle	5	BCPG-30, VRPG-173		
		Ovate	6	BCPG-3		
		Spheroid	7	VRPG-219		
		Spindle tapering	8	Narendra Parwal-260, Kashi Alankar		
16 (*)	Fruit: Skin primary colour	Light Green (138 C)	1	Swarna Alaukik, Kashi Alankar	30	VG
		Green (138 A)	2	Kashi Amulya, Kashi Suphal		
		Dark green (N 137 A, N 137 B, N 137 C, N 137 D)	3	VRPG-219, VRPG-221		
17 (*) (+)	Fruit: Surface colour pattern	Uniform	1	Swarna Alaukik, VRPG-141	30	VG
		Mottled	2	Kashi Amulya, Swarna Rekha		
		Striped	3	VRPG-219, VRPG-221		

<b>S. No.</b>	<b>Characteristics</b>	<b>States</b>	<b>Notes</b>	<b>Example varieties</b>	<b>Stage of Observation</b>	<b>Type of assessment</b>
18	Fruit: Glossiness	Non Glossy	1	BCPG-4, Narendra Parwal-307	30	VG
		Glossy	9	Kashi Alankar, Kashi Amulya		
19 (*) (+)	Fruit : Length (cm)	Small (< 5)	3	VRPG-219, VRPG-103	30	MG
		Medium (5 – 10)	5	Kashi Amulya, Kashi Alankar		
		Long (> 10)	7	Narendra Parwal-260		
20 (*) (+)	Fruit: Diameter (cm) (at the widest portion)	Small (< 4)	3	Kashi Alankar, Kashi Amulya	30	MG
		Large (> 4)	7	VRPG-219		
21	Fruit size: Length/width ratio (cm)	Small (< 1.5)	3	VRPG-219	30	MG
		Medium (1.5–2.5)	5	Kashi Amulya, Swarna Alaukik		
		Large (> 2.5)	7	Kashi Suphal, Kashi Alankar		
22 (*) (+)	Fruit: Shape of apex at blossom end	Depressed	1	VRPG-176-1, VRPG-219	30	VS
		Flattened	3	BCPG-1, BCPG-3		
		Rounded	5	Swarna Rekha, Swarna Alaukik		
		Pointed	7	Kashi Suphal, Narendra Parwal-260		
23	Plant: Vine length (to be observed at full maturity) (m)	Short (<3)	3	BCPG-3, BCPG-16	40	MG
		Medium (3-5)	5	BCPG-6, Kashi Alankar		
		Long (> 5)	7	Swarna Rekha, Swarna Alaukik		
24	Seediness	Absent	1	VRPG-105	40	MS
		Present	9	Narendra Parwal-260, Kashi Alankar		
25	Number of seeds/fruit	Very less (<5)	3	Kashi Amulya	40	MG
		Less (5-10)	5	Swarna Alaukik		
		Medium (10-15)	7	Kashi Suphal		
		Many (>15)	9	Kashi Alankar, Swarna Rekha		



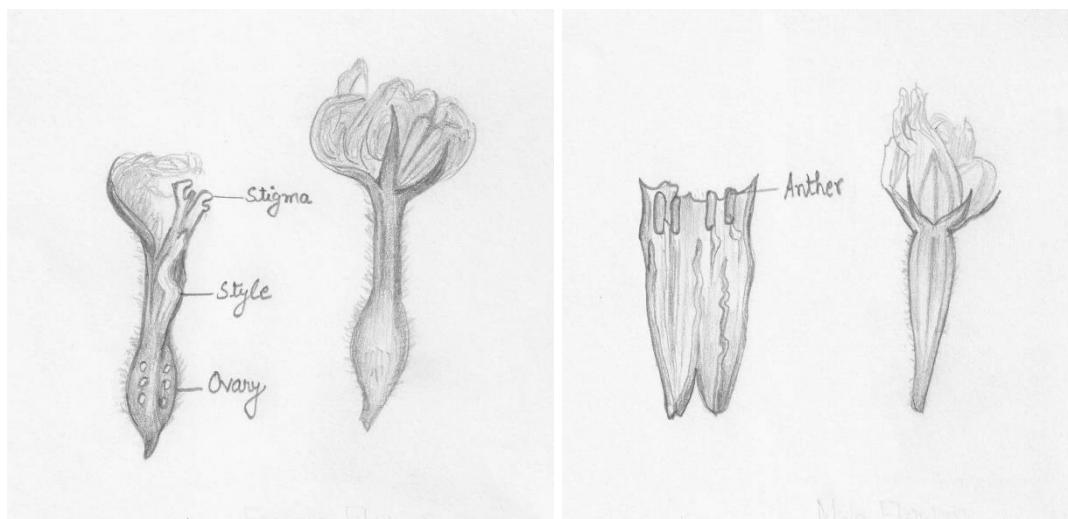
## VIII. Explanations on the table of characteristics

### Plant morphology:



1. An unopened female flower; 2. A coiled tendril; 3. A fully opened female flower;  
4. A simple cordate leaf

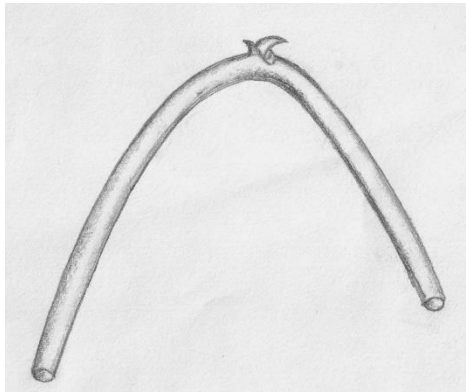
### Identification of flowers:



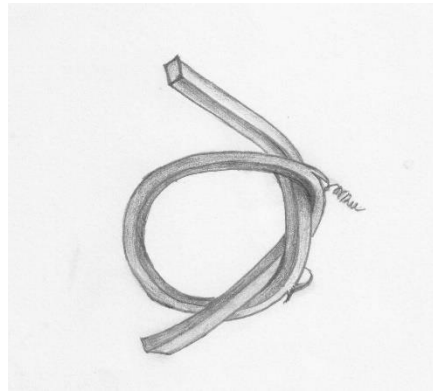
**Female flower**

**Male flower**

**Ch.1: Stem shape**

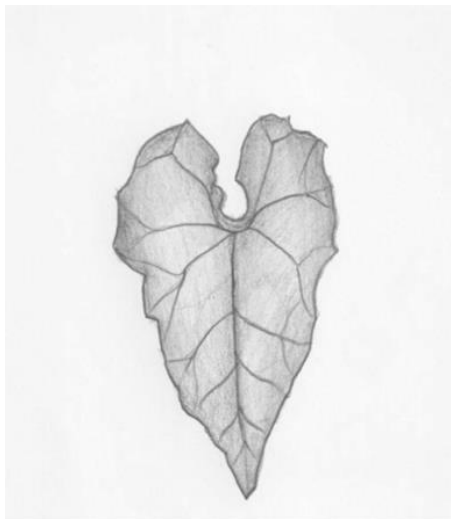


**Round (3)**

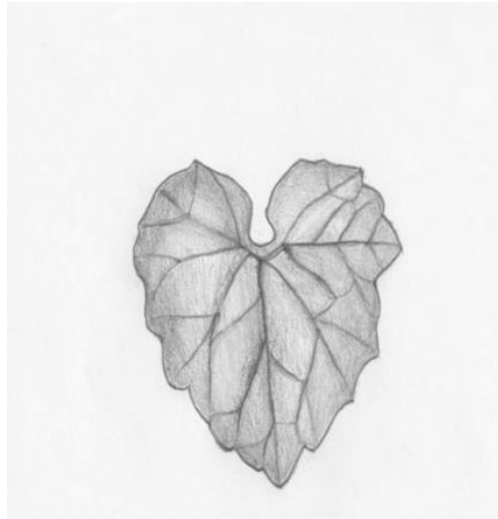


**Angular (5)**

**Ch.2: Leaf shape**

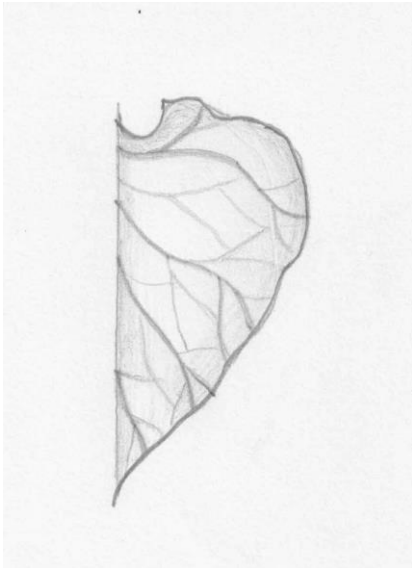


**Auriculate (3)**

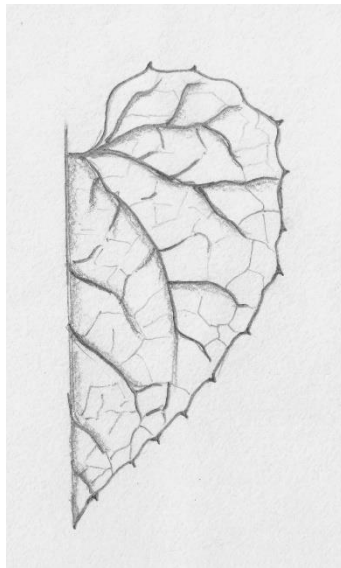


**Cordate (5)**

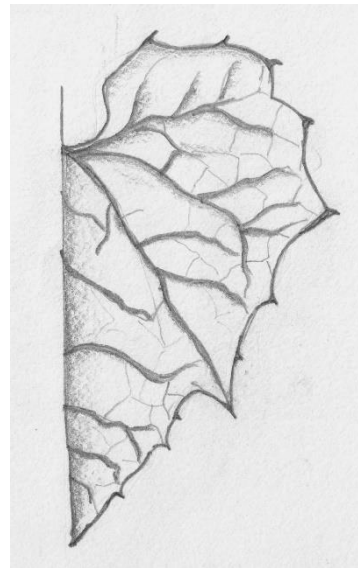
### Ch.3: Leaf margin



Entire (3)

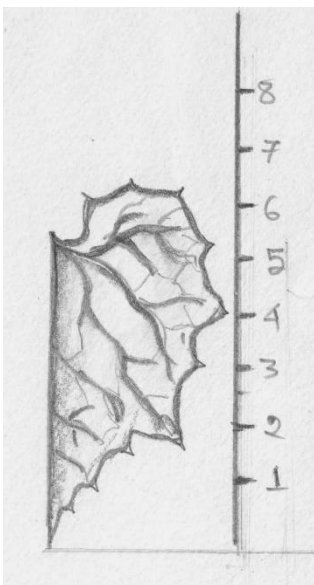


Undulate (5)

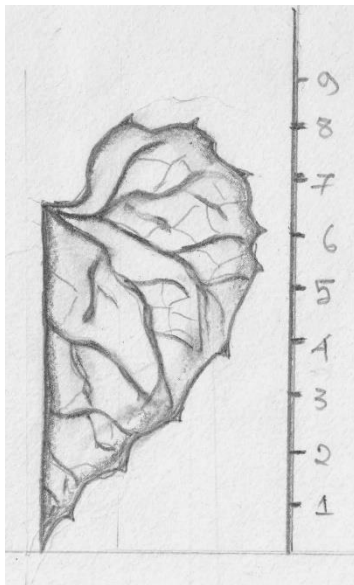


Lobed (7)

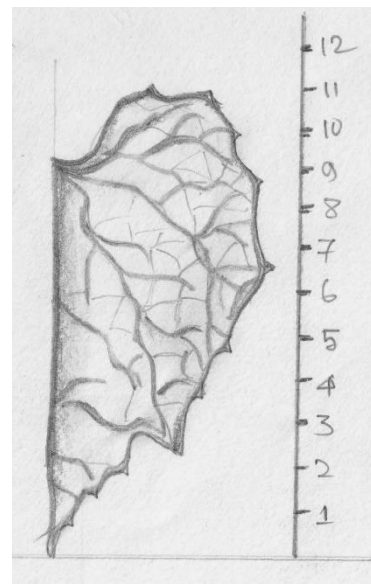
### Ch.7: Leaf blade: Length



Small (<7 cm) (3)

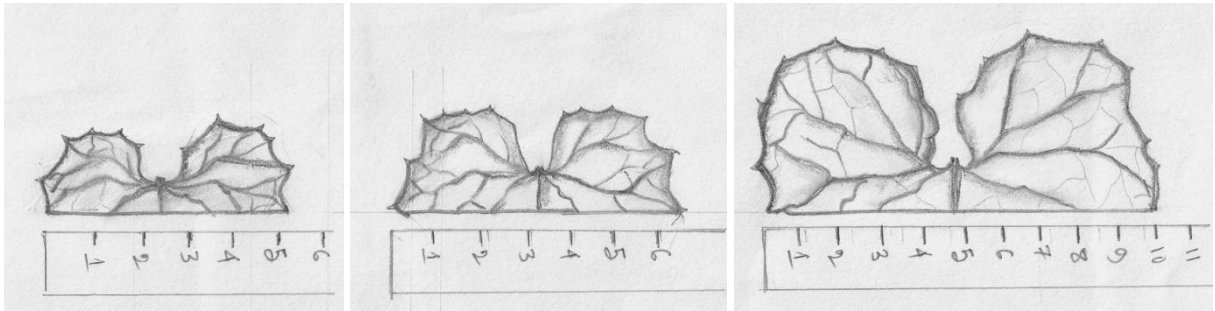


Medium (7-10 cm) (5)



Long (>10 cm) (7)

**Ch.8: Leaf blade: Width**

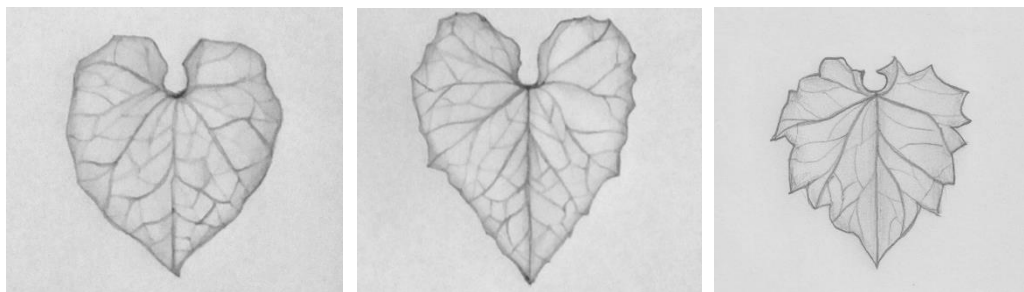


**Narrow (<6 cm) (3)**

**Medium (6-9 cm) (5)**

**Broad (>9 cm) (7)**

**Ch.11: Leaf blade: Depth of lobing**

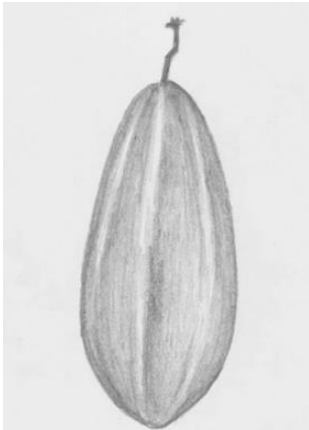


**Shallow (3)**

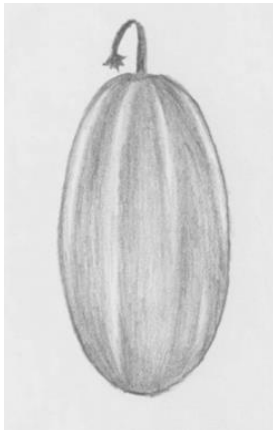
**Medium (5)**

**Deep (7)**

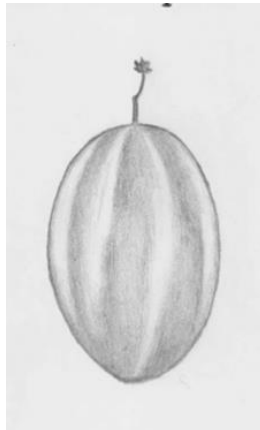
**Ch.15: Fruit shape**



**Club shaped (1)**



**Cylindrical (2)**



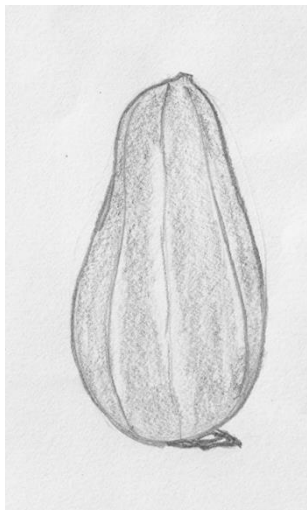
**Oval (3)**



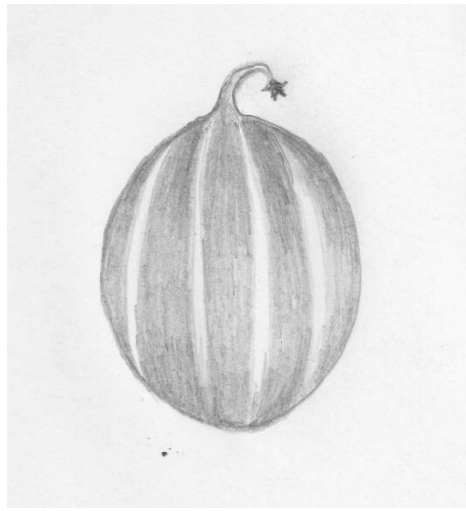
**Spindle (4)**



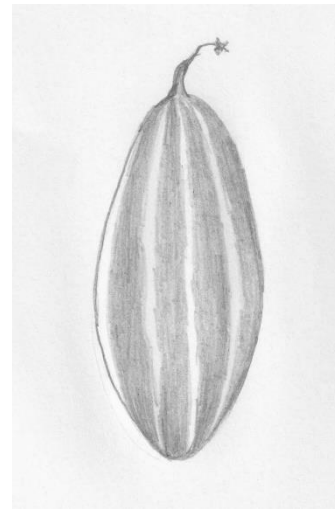
**Elongated Spindle (5)**



**Ovate (6)**

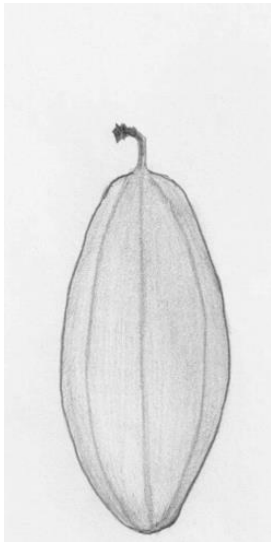


**Spheroid (7)**

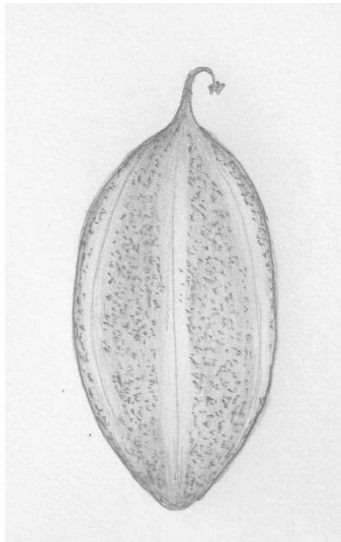


**Spindle tapering (8)**

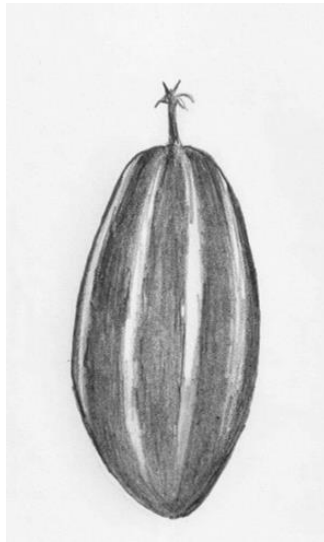
**Ch.17: Fruit: Surface colour pattern**



**Uniform (1)**



**Mottled (2)**



**Striped (3)**



**Uniform (1)**

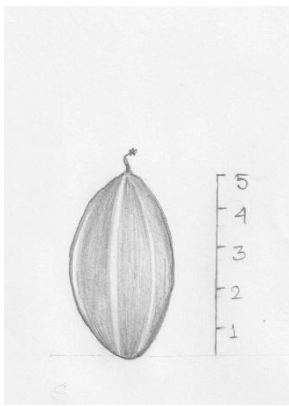


**Mottled (2)**

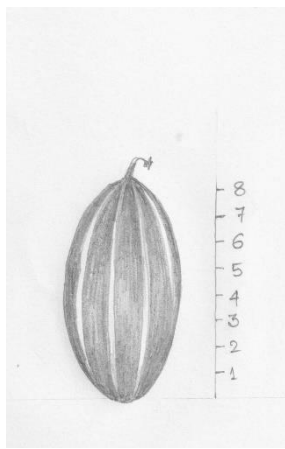


**Striped (3)**

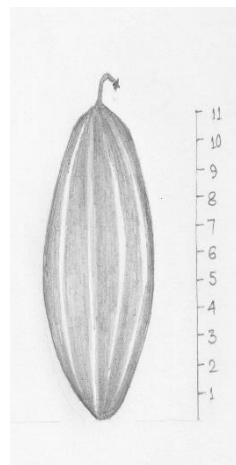
**Ch.19: Fruit: Length**



**Small (<5 cm) (3)**

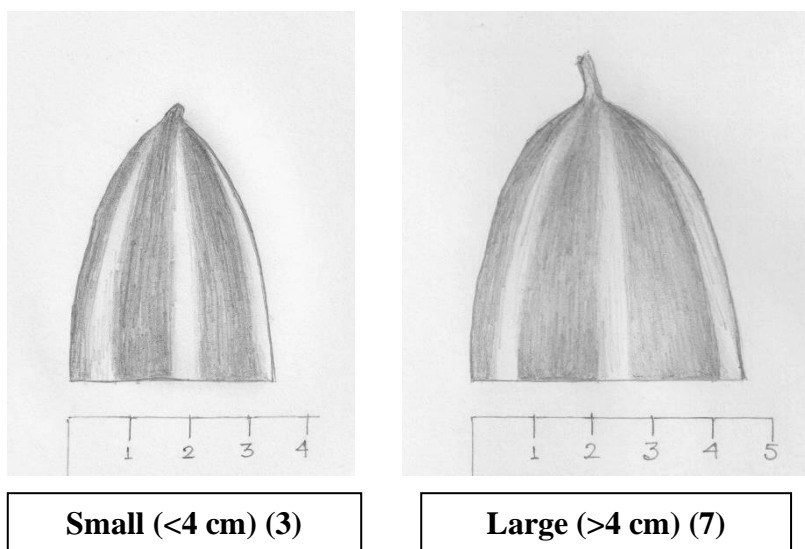


**Medium (5-10 cm) (5)**

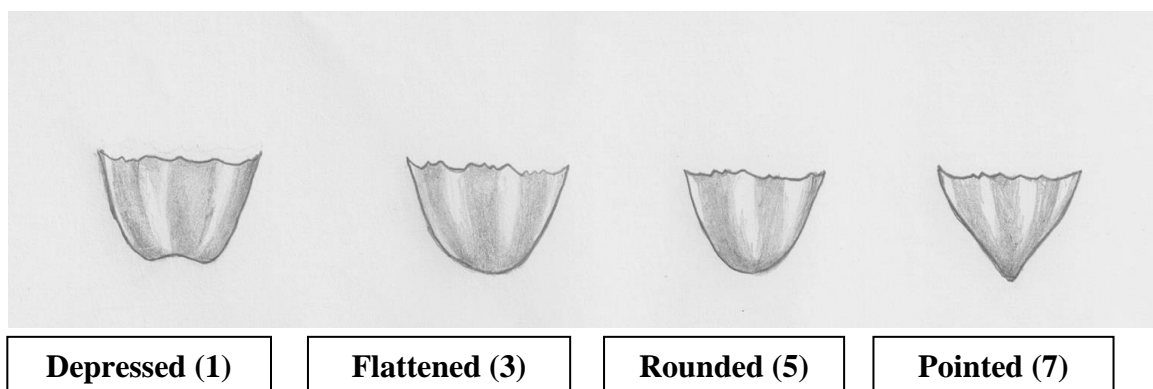


**Long (> 10 cm) (7)**

## Ch.20: Fruit: Diameter



## Ch.22: Fruit: Shape of apex at blossom end



## IX. Working group details

The Test Guidelines developed by National Core Committee in consultation with the Director, ICAR- Indian Institute of Vegetable Research (IIVR), Varanasi, the Nodal Officer and Co-Nodal Officers of Bidhan Chandra Krishi Viswavidyalaya, West Bengal, DUS testing centers and the Task Force (04/09/2018) constituted by the PPV&FR Authority, New Delhi.

### The members of the Task Force present on 04/09/2018

<b>Dr. Brahma Singh</b> Former Director, Life Science, DRDO and Director FRL, New Delhi, India	:	Chairman
<b>Dr. T.K. Behera</b> Principal Scientist, Division of Vegetable Science, ICAR-IARI, New Delhi, India	:	Invited Member
<b>Dr. B. Singh</b> Director, ICAR-IIVR, Varanasi, U.P., India	:	Member
<b>Dr. Sudhakar Pandey</b>	:	Member

Principal Scientist, ICAR-IIVR, Varanasi, U.P., India

**Dr. Arup Chattopadhyay**

: Member

Professor & O I/C AICRP on Vegetable Crops, BCKV,  
Kalyani, Nadia, W.B., India

**Sh. Dipal Roy Choudhury**

: Member Secretary

Joint Registrar, PPV&FRA, New Delhi, India

**Nodal Person**

Director, ICAR-IIVR, Varanasi, U.P., India

**Co-Nodal Person**

Dr. Sudhakar Pandey, Principal Scientist, ICAR-IIVR, Varanasi, U.P., India

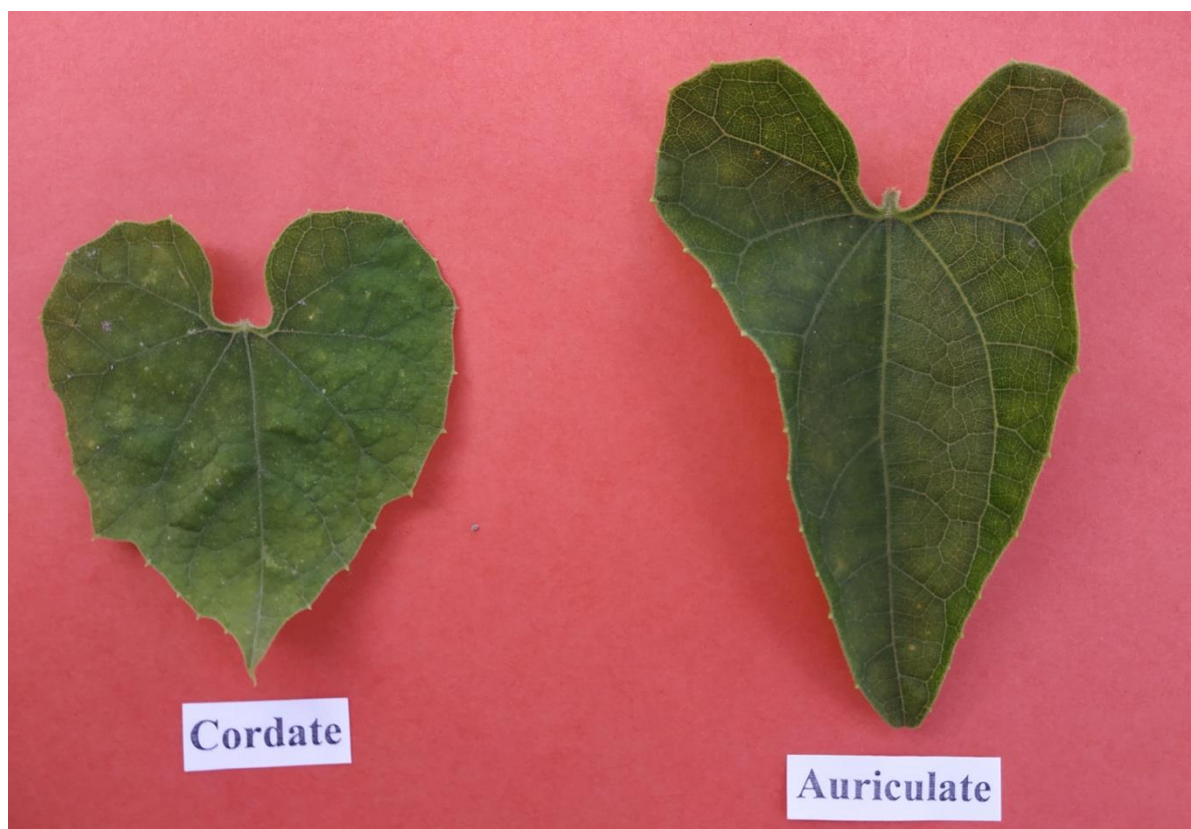
Dr. T. Chaubey, Principal Scientist, ICAR-IIVR, Varanasi, U.P., India

Dr. Arup Chattopadhyay

Professor & O I/C AICRP on Vegetable Crops, BCKV, Kalyani, Nadia, W.B., India

**X. DUS test centres**

Nodal Centre	Other Centre
ICAR-Indian Institute of Vegetable Research, P. B. No.-01, P. O. -Jakhini (Shahanshahpur), Varanasi-221 305 (U.P.)	Bidhan Chandra Krishi Viswavidyalaya, Kalyani- 741235, Nadia, West Bengal



Leaf Character





Male flower



Female flower

Fruit: Length



Small



Medium



Long