

भारतीय पौधा किस्म जर्नल

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पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण
एनएएससी काम्प्लेक्स, 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

भारतीय पौधा किस्म जरनल, खण्ड 10, अंक 05
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‘भारतीय पौधा किस्म जर्नल पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण (पौ.कि.कृ.अ.सं.प्रा.) का आधिकारिक जर्नल है। पीपीवी और एफआर अधिनियम, 2001 तथा पीपीवी और एफआर नियमावली, 2003 के नियम 2 (जी) के अंतर्गत अध्यक्ष, पीपीवी और एफआरए, एस.2, ए ब्लॉक, एनएएससी काम्प्लैक्स, डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली-110012 की ओर से प्राधिकरण के रजिस्ट्रार द्वारा प्रकाशित किया जा रहा है।

Plant Variety Journal of India is the Official Journal of the Protection of Plant Varieties and Farmers' Rights Authority (PPV & FRA) published by the Registrar on behalf of the Chairperson, PPV & FRA, S-2 A Block, NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi-110012 under the PPV & FR Act, 2001 and Rule 2 (g) of the PPV & FR Rules, 2003.

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Sl.No. Item

Page No.

1. Enhancement of cash prize of Plant Genome Saviour Farmer Reward and conferment of cash prize to plant genome saviour farmer recognition.
2. PUBLIC NOTICE: Designation of Branch office of the Registry as Branch Office of Authority under section 3(3) of PPV&FR Act, 2001.
3. Crop wise details of Seed sent for DUS Testing to DUS Test centres during the month of April, 2016.
4. Passport data of 15 Farmers Varieties published here for calling objection if any from persons in this matter.

S.No.	Denomination	Acknowledgement No.	Crop
1	Khirasar	Reg/2013/1655	Rice
2	Bhaies Paath	Reg/2013/1481	Rice
3	Shiv Dharohar-1	Reg/2013/1456	Rice
4	Ajam Dhan	Reg/2013/1477	Rice
5	Machri Poti	Reg/2013/1464	Rice
6	Chinmouri Jujgu	Reg/2013/1642	Rice
7	Shyam Jira	Reg/2014/366	Rice
8	PANIKULANGARA GREEN BOLD NO.1	Reg/2014/03	Small Cardamom
9	PANIKULANGARA GREEN BOLD NO.2	Reg/2014/04	Small Cardamom
10	ELA (ELARAJAN)	Reg/2013/1010	Small Cardamom
11	WONDER CARDAMOM	Reg/2013/978	Small Cardamom
12	THIRUTHALI	Reg/2013/1188	Small Cardamom
13	Pepper Thekkan	Reg/2013/301	Black pepper
14	AGALI PEPPER	Reg/2013/980	Black pepper
15	KUMBUCKAL SELECTION	Reg/2013/979	Black pepper

5. PUBLIC NOTICE : Passport data of 06 Extant (VCK) and 08 New Varieties published here for calling objections if any from persons in the matter.

Sl.no.	Denomination	Acknowledgement No.	Crop Name
01	KCH-172 BG II	REG/2012/204	Tetraploid cotton
02	MHTM 401	REG/2011/31	Tomato
03	MHTM-301	REG/2011/42	Tomato
04	SLFH-7777	REG/2011/60	Okra
05	OK-184	REG/2011/79	Okra
06	PM-80105R	REG/2009/113	Pearl millet
07	BIO6025412	REG/2009/421	Tetraploid cotton
08	PC-P581	REG/2012/274	Tetraploid cotton
09	OK-169	REG/2011/78	Okra
10	NOKH-1001	REG/2010/451	Okra
11	NOKH-1004	REG/2010/452	Okra
12	OK-372	REG/2011/76	Okra
13	SV-22	REG/2012/59	Tetraploid cotton
14	FN-9018	REG/2011/251	Tomato

PUBLIC NOTICE

SUB:- ENHANCEMENT OF CASH PRIZE OF PLANT GENOME SAVIOUR FARMER REWARD FROM
RUPEES ONE LAKH ONLY TO RUPEES ONE LAKH AND FIFTY THOUSAND ONLY AND
CONFERMENT OF CASH PRIZE TO PLANT GENOME SAVIOUR FARMER RECOGNITION

With effect from the PGSF Reward/Recognition 2013-14, the central government has enhanced the cash prize of plant genome saviour farmer Reward from Rupees One Lakh only to Rupees One Lakh and Fifty Thousand Only and the central government has fixed the cash prize of Rupees One Lakh in case of plant genome saviour farmer recognition.

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

PUBLIC NOTICE

SUB:- Designation of Branch office of the Registry as Branch Office of Authority under section 3(3) of PPV&FR Act, 2001.

The Central Government under Section 3(3) of PPV&FR Act, 2001 has designated the Branch Offices of the Registry as Branch offices of the Authority also. The territorial limits of the Branch Offices of the Authority shall be the same as that of the Branch Offices of the Registry. The territorial limits of the Branch Office of the Plant Varieties Registry has been notified in the Official Gazette of India vide S.O.929(E) dated 27.04.2012.

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

STATUS OF SEED SENT FOR DUS TESTING DURING THE MONTH OF APRIL,2016

Crop wise Seed sent for DUS Testing during the month of April, 2016.

Sl. No.	Reg. No.	Denomination	Category	DUS Canters	Date of sending	Species	Crop
1	Reg/2014/473	PC-P 8011 Bt2	EDV	CCS HAU & PAU	28-Apr-16	Tetraploid Cotton	Cotton
2	Reg/2010/53	PCH-878 Bt2	EDV	CCS HAU & PAU	28-Apr-16	Tetraploid Cotton	Cotton
3	Reg/2014/458	PC-P 251 Bt	EDV	CCS HAU & PAU	28-Apr-16	Tetraploid Cotton	Cotton
4	Reg/2015/216	RCH 602 BG-II	New	CCS HAU & PAU	28-Apr-16	Tetraploid Cotton	Cotton
5	Reg/2016/170	SVA-371	New	CCS HAU & PAU	28-Apr-16	Diploid Cotton	Cotton
6	Reg/2016/171	SVA-145	New	CCS HAU & PAU	28-Apr-16	Diploid Cotton	Cotton
7	Reg/2016/172	SVAGMS-47	New	CCS HAU & PAU	28-Apr-16	Diploid Cotton	Cotton
8	Reg/2016/173	KR-111	New	CCS HAU & PAU	28-Apr-16	Diploid Cotton	Cotton
9	REG/2016/261	GREEN BULLET	FV	IIHR Bangalore & IARI New Delhi	28-Apr-16	Chilli	Chilli
10	REG/2016/269	MOTA	FV	IIHR Bangalore & IARI New Delhi	28-Apr-16	Chilli	Chilli
11	REG/2016/263	BANGLA LANKA	FV	IIHR Bangalore & IARI New Delhi	28-Apr-16	Chilli	Chilli
12	REG/2015/1882	CHILLI QUEEN (SIMA)	FV	IIHR Bangalore & IARI New Delhi	28-Apr-16	Chilli	Chilli

Marigold (*Tagetes* spp. L)

I. Subject

These test guidelines shall apply to all varieties, hybrids and parental lines of marigold (*Tagetes* spp. L.) of family *Asteraceae*.

II. Seed Material Required

1. The Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA) shall decide when, where and in what quantity and quality of the planting material (seed or rooted cuttings) required for testing the variety is to be delivered. Applicants submitting seed material from a country other than India must make sure that all customs and formalities are complied with.
2. The minimum quantity of seed or rooted cuttings of varieties, hybrids and parental lines to be supplied by the applicant for open field cultivation should be:
 - For seed propagated varieties/hybrids/parental lines: 10g seeds (in one submission only).
 - For vegetatively propagated varieties /hybrids/ parental lines: 200 Nos. rooted cuttings (separately for independent growing seasons).
3. The seed should meet the minimum requirement for germination capacity (80%), moisture content should not be more than 8% and physical purity (98%) prescribed for certified seed in India. Especially for storage, which requires a higher standard, the applicant should state the actual germination capacity, which should be as high as possible. The planting material (seed or rooted cuttings) supplied should be visibly healthy, not lacking in vigour or affected by any important pest or disease.
4. The planting material must not have undergone any treatment unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.
5. Applicant has to indicate similarity of candidate variety with African (*Tagetes erecta* L.) or French marigold (*Tagetes patula* L.).

III. Conduct of Tests

1. The minimum duration of DUS test should normally be two independent but similar growing seasons.
2. The test should normally be conducted at two different locations. If any essential characteristic of the variety cannot be observed at these places, the variety may be tested at an additional place.

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 observations which must be made upto the end of the growing period. Each test shall include atleast 60 plants, which should be divided among 3 replications. Separate plots for observations and for measuring can only be used if they have been subjected to similar environmental conditions.
4. Seed propagated material shall be transplanted between 25-30 days after seed sowing . In case of vegetatively propagated material transplanting shall be done after sufficient root formation in cuttings. Pinching/disbudding shall be followed upto 20 days after transplanting enabling the plant for clear expression of all the morphological traits.
5. Test plot design

Number of rows	:	2
Row to row distance	:	60 cm
Plant to plant distance	:	50 cm
Number of plants per row	:	10
Number of plants per replication	:	20
Number of replications	:	3
6. Additional test protocols for special purpose shall be established by the PPV&FR Authority.

IV. Methods and Observations

1. The characteristics described in the Table of Characteristics (Section VII) should be used for the testing of varieties /hybrids/ parental lines for DUS.
2. For the assessment of Distinctiveness and Stability, observations should be made on 18 plants or parts of plants selected randomly, which should be divided among 3 replications (6 plants in each replication).
3. For the assessment of Uniformity of characteristics in the plot as a whole (visual assessment by a single observation of a group of plants or parts of plants), a population standard of 1% with an acceptance probability of at least 95% should be applied. In case of a sample size of 60 plants, the number of off-types should not exceed 1.
4. All observation, assessment and measurement of the plant variety shall be taken at the time of full flowering stage except hypocotyl: anthocyanin colouration and hypocotyl: intensity of anthocyanin colouration which shall be taken after 10-20 days of seed sowing (at 2-4 leaf stage). However, time of beginning of flowering shall be recorded at first flowering stage.
5. Observation on all characters need to be recorded at all the stages as indicated in table of characteristics. Observation on flower characters should be recorded just after flowers are completely open.

6. For the assessment of colour characteristics, the Royal Horticultural Society (RHS) Colour Chart shall be used.

V. Grouping of Varieties

1. The candidate varieties for DUS testing shall be divided into groups to facilitate the assessment of Distinctiveness. Characteristics which are suitable for grouping purposes are those, which are known from experience not to vary, or to vary only slightly, within a variety /hybrids/ parental lines. Their various states of expression should be fairly evenly distributed throughout the collection.

2. The following characteristics are recommended for grouping of marigold varieties /hybrids/ parental lines.

Plant: height	characteristic : 5
Plant: growth habit	characteristic : 6
Flower head: floret type	characteristic : 17
Flower head: diameter	characteristic : 18
Only varieties with tubulate and ligulate floret type: flower head: number of ligulate floret whorls	characteristic : 19
Flower head: number of colours	characteristic : 25
Only varieties with one flower head colour: Flower head: colour with the following groups: Whitish Light yellow Yellow Light orange Orange Red Other	characteristic : 26
Tubulate and/or tubuligulate floret: main colour with the following groups: Whitish Light yellow Yellow Light orange Orange Red Other	characteristic : 28
Only varieties with two flower head colours: ligulate floret: main colour with the following groups: Whitish Light yellow Yellow Light orange Orange Red Other	characteristic : 31

VI. Characteristics and Symbols

1. To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of Characteristics should be used.
2. Notes (1-9) should be used for the purpose of recording and electronic processing of data. Each state of expression is allotted a corresponding numerical note (1-9) for the different characteristics.
3. Legend

(*) Characteristics that should be used in every growing season on all varieties and shall always be included in the description of the variety /hybrid/ parental line., except when the states of expression of any of these characters is rendered impossible by a preceding characteristic or by the environmental conditions of the testing region. Under such exceptional situation, adequate explanation shall be provided.

(+) See explanation on the Table of the Characteristics in Section VIII.

4. Type of assessment of characteristics indicated in Table of Characteristics (Section VII) is as follows:

MG	:	Measurement by a single observation of a group of plants or parts of plants.
MS	:	Measurement of a number of individual plants or parts of plants.
VG	:	Visual assessment by a single observation of a group of plants or parts of plants.
VS	:	Visual assessment by observations of individual plants or parts of plants.

5. A code number in the fifth column of Table of characteristics(Section VII) indicates the optimum stage for the observation of each characteristic during the growth and development of plant. The relevant growth stages corresponding to these code numbers are described below:

a. Observations for hypocotyl: anthocyanin colouration and hypocotyl: intensity of anthocyanin colouration of the candidate variety shall be taken after 10-20 days of seed sowing (at 2-4 leaf stage).

b. Observation for time of beginning of flowering of the candidate variety shall be recorded at first flowering stage.

c. Observation for each characteristic of the candidate variety shall be taken at the time of full flowering stage.

VII-Table of characteristics

S.No.	Characteristic	States	Note	Stages of observation (days after sowing/ planting)	Example Varieties	Type of Assessment
1.	Hypocotyl: anthocyanin colouration	Absent	1	a	IIHRMy-4	VG
		Present	9		IIHRMO-2	
2.	Hypocotyl: intensity of	Weak	3	a	IIHRMy-5	VG

	anthocyanin colouration	Medium	5		Pusa BasantiGainda, Pusa NarangiGainda	
		Strong	7		Pusa Arpita, IIHRMO-2	
3.	Plant : fragrance (Vegetative parts)	Absent	1	b	-	VG
		Present	9		Pusa BasantiGainda,Pusa NarangiGainda	
4.	Flower : fragrance	Absent	1	c	-	VG
		Present	9		Pusa BasantiGainda, Pusa NarangiGainda	
5. (* (+)	Plant: height (upto the tip of leaves from ground level measured in cm)	Very short (≤ 20)	1	c	-	MG
		Short ($>20-\leq 40$)	3		IIHRMO-2	
		Medium ($>40-\leq 90$)	5		Pusa NarangiGainda, Pusa BasantiGainda	
		Tall ($>90-\leq 150$)	7		Pusa Arpita	
		Very tall (>150)	9		-	
6. (* (+)	Plant : growth habit	Upright	1	c	IIHRMy 5 IARI/af/w-4	VG
		Semi upright	3		Pusa NarangiGainda, Pusa BasantiGainda	
		Spreading	5		Pusa Arpita	
7.	Stem: anthocyanin colouration	Absent	1	c	IIHRMy-4	VG
		Present	9		IIHRMO-2, Pusa NarangiGainda, Pusa Arpita	
8.	Stem: intensity of anthocyanin colouration	Weak	3	c	IIHRMy-5	VG
		Medium	5		Pusa BasantiGainda Pusa NarangiGainda	
		Strong	7		Pusa Arpita	
9. (+)	Leaf: type	Simple	1	c	-	VS
		Pinnate	9		Pusa NarangiGainda	
10. (+)	Leaf: length	Short	3	c	-	VG
		Medium	5		Pusa NarangiGainda, Pusa BasantiGainda	
		Long	7		Pusa Arpita	
11. (+)	Leaf: width	Narrow	3	c	IIHRMO-4	VG
		Medium	5		Pusa BasantiGainda, Pusa NarangiGainda	

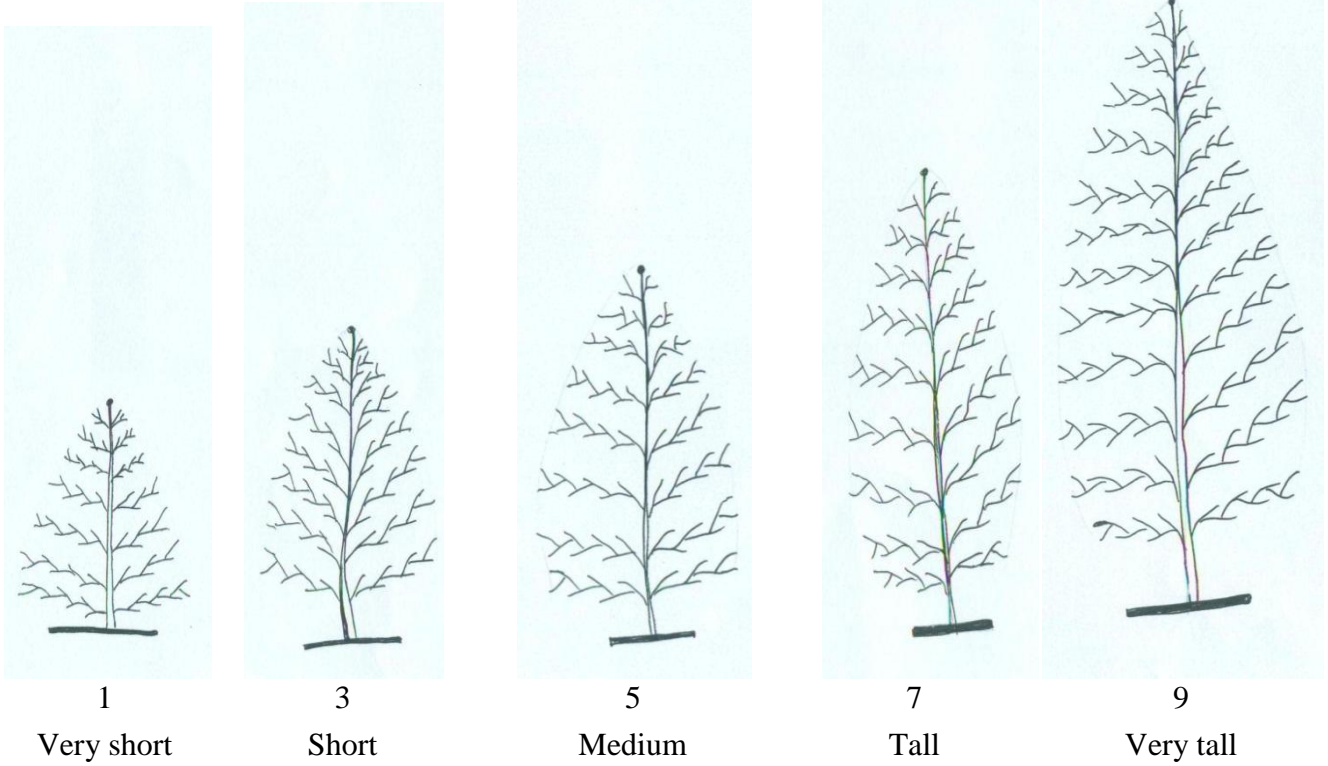
		Broad	7		Pusa Arpita	
12.	Leaf: intensity of green colour on upper side (at the time of first flowering)	Light	3	c	-	VG
		Medium	5		Pusa BasantiGainda, Pusa NarangiGainda	
		Dark	7		IIHRMO-2, Pusa Arpita	
13.	Only varieties with pinnate leaves: terminal leaflet: width	Narrow	3	c	-	VG
		Medium	5		Pusa BasantiGainda, Pusa NarangiGainda,	
		Broad	7		Arka Agni, ArkaAlankara	
14. (+)	Leaf margin: depth of indentation	Shallow	3	c	IARI/Af /w-4, Pusa NarangiGainda	VG
		Medium	5		Pusa BasantiGainda	
		Deep	7		IIHRFm-1	
15.	Flower head: length of peduncle of terminal flower head	Short	3	c	-	VG
		Medium	5		Pusa BasantiGainda, ArkaAlankara	
		Long	7		Pusa Arpita	
16.	Shape of flower head: view from above	Round	1	c	Arka Agni, ArkaAlankara	VG
		Irregular	9		Pusa NarangiGainda, Pusa BasantiGainda,	
17. (* (+)	Flower head: floret type	All tubulate	1	c	-	VS
		Tubulate and ligulate	2		IIHRMys-3	
		Tubuligulate and ligulate	3		IIHRMO-4	
		All tubuligulate	4		-	
		All ligulate	5		ArkaAlankara, Arka Agni	
18. (*	Flower head: diameter	Very small	1	c	-	VG
		Small	3		Pusa Arpita, IIHRMO-4	
		Medium	5		Pusa NarangiGainda, Pusa BasantiGainda	
		Large	7		Arka Agni, ArkaAlankara	
		Very large	9		-	
19. (*	Only varieties with tubulate and ligulate floret type: flower head: number of ligulate floret whorls	Very few	1	c	-	VG
		Few	3		IIHRMys-3	
		Medium	5		-	
		Many	7		Pusa NarangiGainda	

20. (+)	Ligulate floret: shape	Flat	1	c	IIHRMO-4	VG
		Intermediate	2		Pusa BasantiGainda Pusa NarangiGainda	
		Trumpet	3		IARI/Af/w-8	
21. (+)	Ligulate floret: incision of margin	Absent	1	c	ArkaAlankara	VG
		Present	9		IIHRMO-3, Pusa NarangiGainda	
22.	Only varieties with incision of margin absent: ligulate floret: shape of apex	Rounded	1	c	-	VG
		Truncate	2		ArkaAlankara	
23.	Outer ligulate floret: length	Short	3	c	-	VG
		Medium	5		Pusa BasantiGainda Pusa NarangiGainda	
		Long	7		IIHRMy-5, IIHRMy-4, Arka Agni, ArkaAlankara,	
24.	Outer ligulate floret: width	Narrow	3	c	-	VG
		Medium	5		Pusa BasantiGainda Pusa NarangiGainda	
		Broad	7		IIHRMy-4, IIHRMy-5	
25. (* (+)	Flower head: number of colours	One	1	c	Pusa NarangiGainda Pusa BasantiGainda, IIHRMO-4	VG
		Two	2		IIHRFm-1	
26. (*	Only varieties with one flower head colour: flower head: colour	RHS Colour Chart (indicate reference number)		c	-	VS
27.	Only varieties with two flower head colours: tubulate and/or tubuligulate floret: number of colours	One	1	c	-	VG
		Two	2		-	
28. (*	Tubulate and/or tubuligulate floret: main colour	RHS Colour Chart (indicate reference number)		c	-	VS
29.	Only varieties with tubulate and/or tubuligulate florets	RHS Colour Chart (indicate reference		c	-	VS

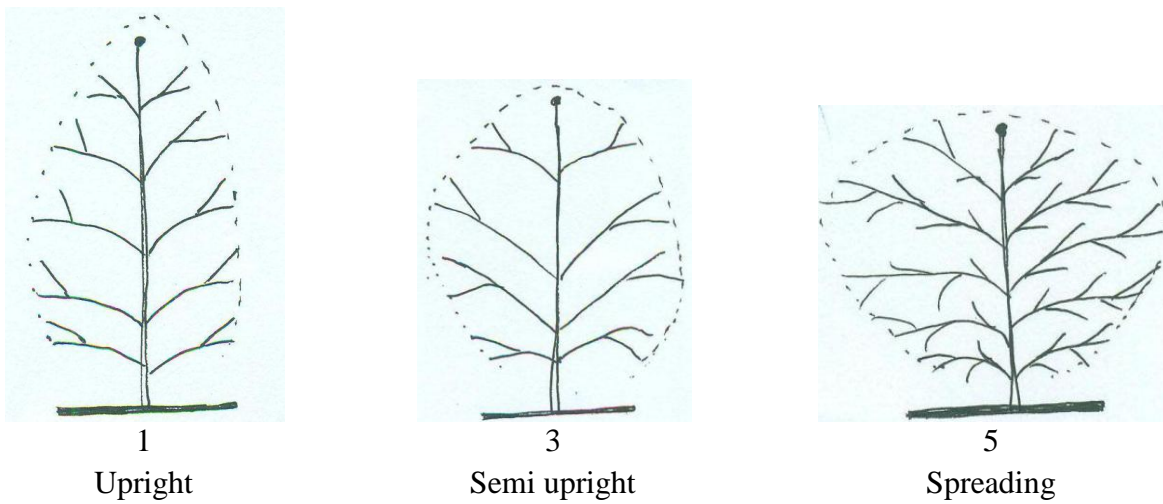
	with two colours: tubulate and/or tubuligulate floret: secondary colour	number)				
30.	Only varieties with two flower head colours: ligulate floret: number of colours	One	1	c	-	VG
		Two	2		IIHRFm-1	
31. (*)	Only varieties with two flower head colours: ligulate floret: main colour	RHS Colour Chart (indicate reference number)		c	-	VS
32.	Only varieties with two ligulate floret colours: ligulate floret: secondary colour	Whitish	1	c	-	VS
		Light yellow	2		-	
		Dark yellow	3		-	
		Light orange	4		-	
		Medium orange	5		IIHRFm-1	
		Red	6		-	
		Brown	7		-	
33. (+)	Only varieties with two ligulate floret colours: ligulate floret: distribution of colour	Type 1	1	c	IIHRFm-1	VG
		Type 2	2		-	
		Type 3	3		-	
34. (+)	Only varieties with type 1 ligulate floret colour distribution: ligulate floret: size of central colour zone	Very small	1	c	-	VG
		Small	3		-	
		Medium	5		-	
		Large	7		IIHRFm-1	
		Very large	9		-	
35.	Time of first flowering after transplanting (in days)	Early (≤ 40)	3	b	IIHRFm-1	VG
		Medium ($>40 - \leq 60$)	5		Pusa NarangiGainda Pusa BasantiGainda	
		Late (>60)	7		Pusa Arpita	

VIII. Explanations on the Table of Characteristics

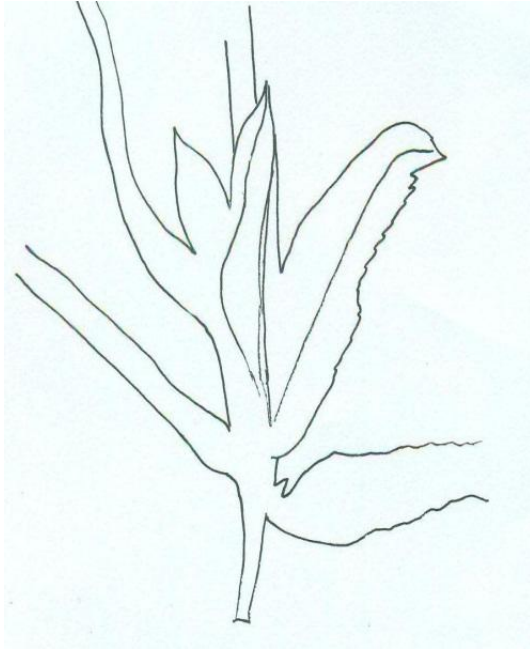
Characteristic 5: Plant: height



Characteristic 6: Plant: growth habit

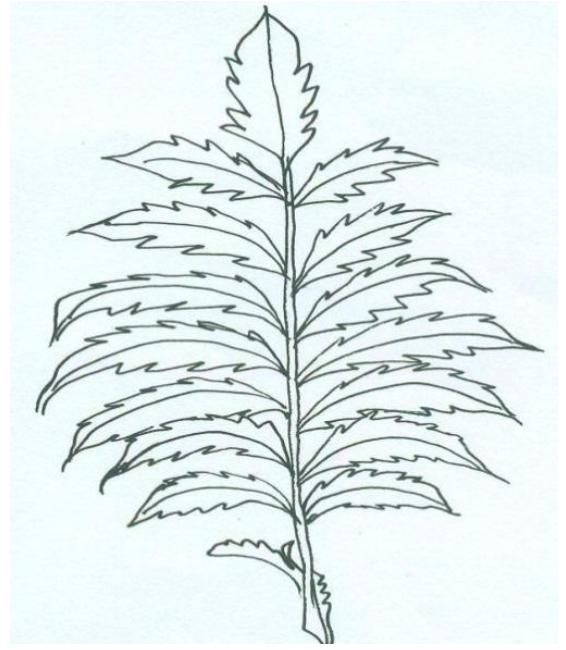


Characteristic 9: Leaf: type



1

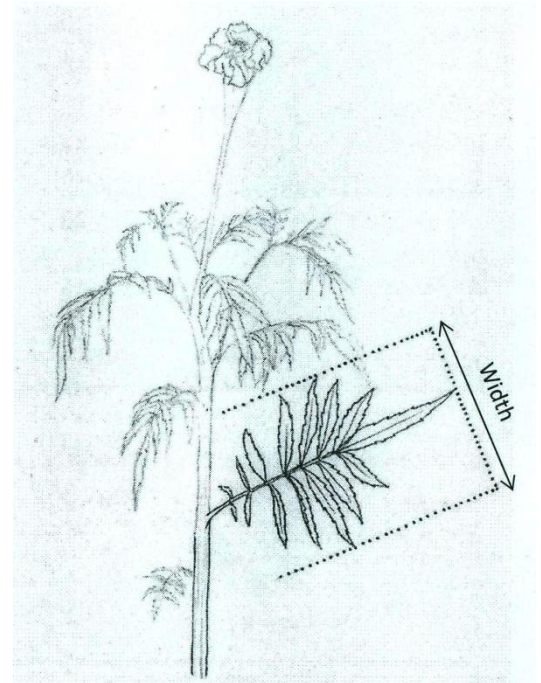
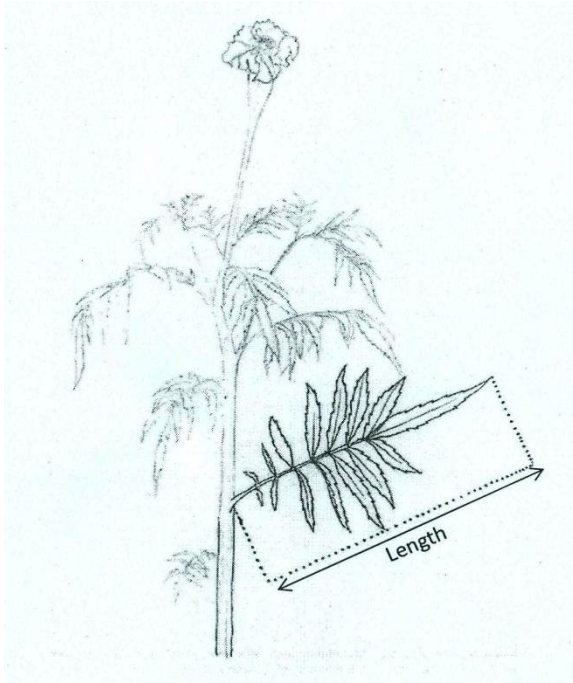
Simple



9

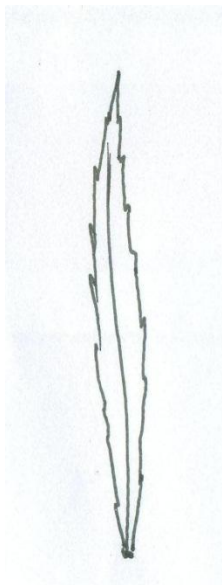
Pinnate

Characteristic10&11: Leaf: length and Leaf: width

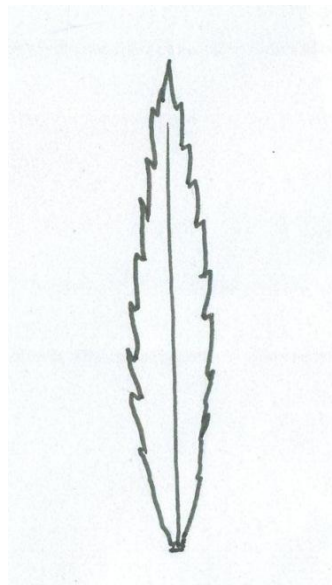


Observations should be made on a leaf in the middle zone of the main stem at the time of full flowering.

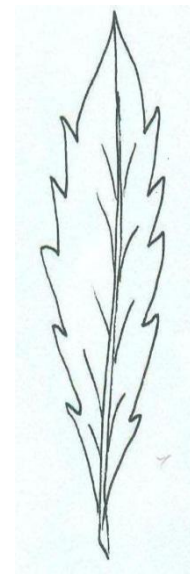
Characteristic14: Leaf margin: depth of indentations



3
Shallow



5
Medium

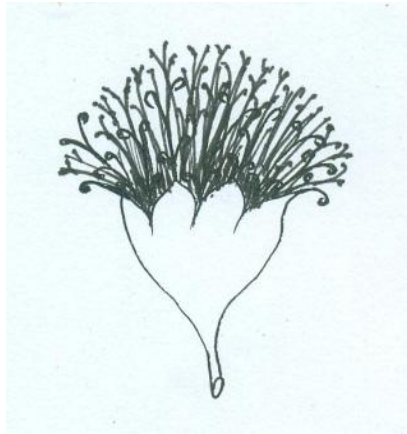


7
Deep

In the case of pinnate leaves, the observations should be made on a terminal leaflet.

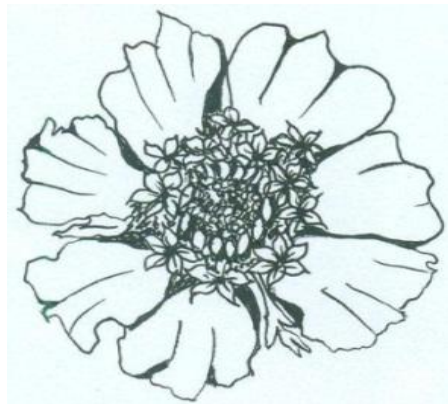
Characteristic 17: Flower head: floret type

The floret can be ligulate, tubuligulate or tubulate and can be inserted in the disc (central zone) or in the periphery (radial zone) of the flower head.



1

All tubulate



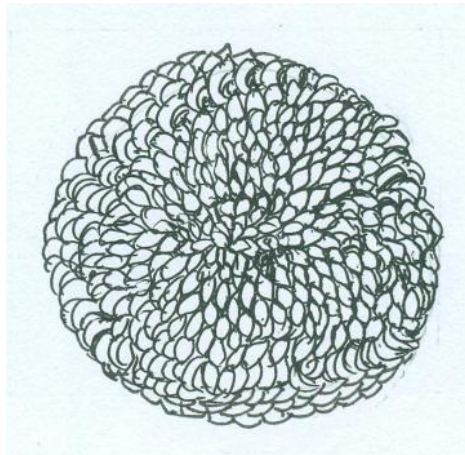
2

Tubulate and ligulate



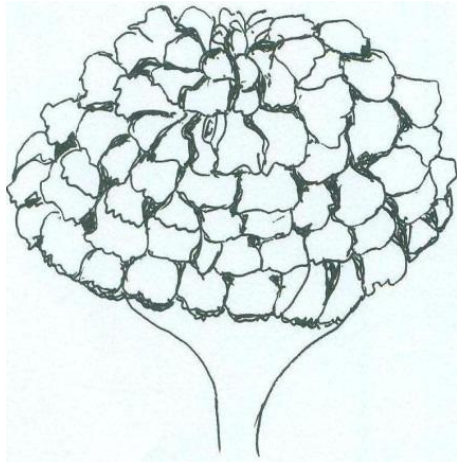
3

Tubuligulate and ligulate



4

All tubuligulate



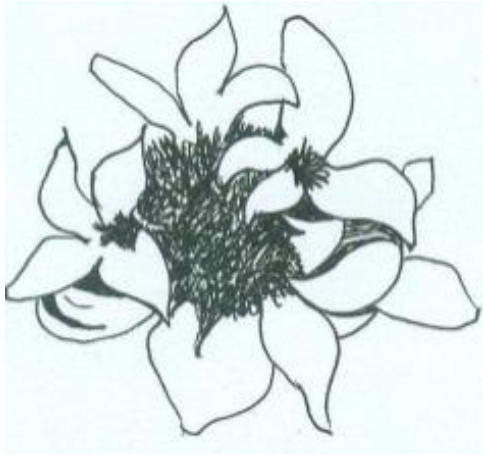
5

All ligulate

Characteristic 20: Ligulate floret: shape



1 flat



2

Intermediate

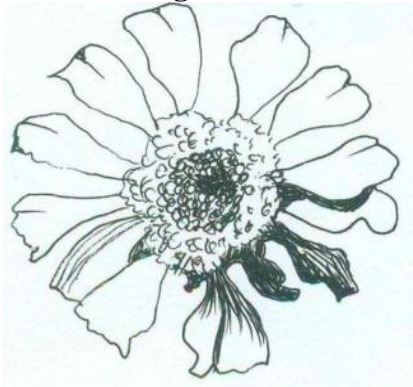


3

Trumpet



Characteristic 21: Ligulate floret: incision of margin



1
Absent



9
Present

Characteristics 25: Flower head: number of colours



1

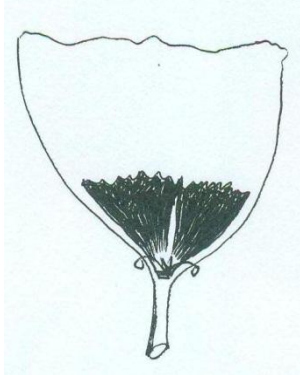
One



2

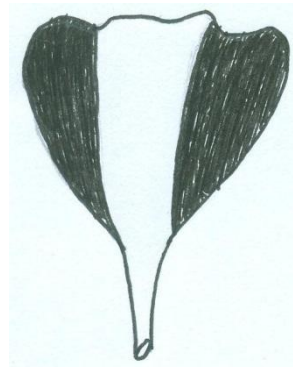
Two

Characteristic 33: Only varieties with two ligulate floret colours: ligulate floret: distribution of colour



1

Type 1



2

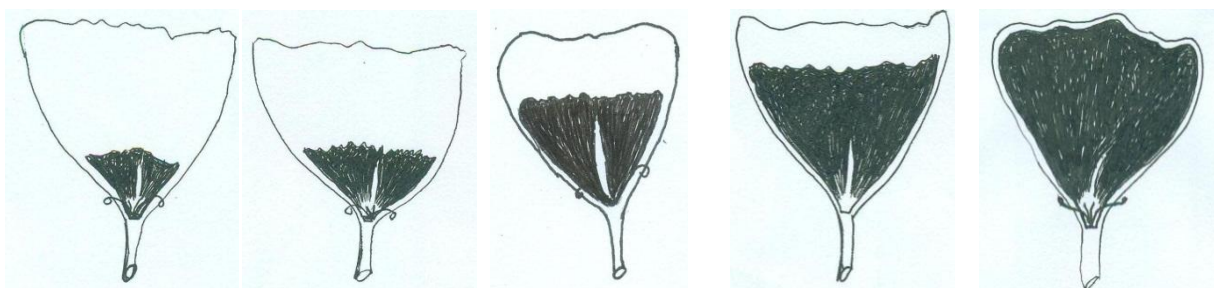
Type 2



3

Type 3

Characteristic 34: Only varieties with type 1 ligulate floret colour distribution: ligulate floret: size of central colour zone



1 3 5 7 9
 Very small Small Medium Large Very large

IX. Working Group details

The test guidelines developed by the task force (05/2014) constituted by the PPV & FR Authority for **Marigold** with consultation by the National Core Committee in consultation with the Principal Investigators /Nodal Officers of the DUS Centres on marigold and Technical inputs also provided by the PPV & FR Authority and nodal officer.

Members of the Task Force

Dr. P. N. Mathur Coordinator South Asia Office, Bioversity International, NASC Complex, New Delhi	Chairman
Dr. N. K. Dadlani Ex- Director (Hort.) DAC, Ministry of Agriculture	Member
Dr. T. Janakiram Assistant Director General (Hort-1) KrishiAnusandhanBhawan-II ICAR, Pusa Campus, New Delhi	Member
Dr. Malavika Dadlani Consultant, Coordinator South Asia Office, Bioversity International, NASC Complex, New Delhi	Member
Dr. Kanwar Pal Singh Principal Scientist, Division of Floriculture and Landscaping, ICAR- Indian Agricultural Research Institute, New Delhi	Member
Dr. Tejaswini Principal Scientist, Division of Ornamental Crops ICAR- Indian Institute of Horticultural Research Institute,	Member

Bangaluru, Karnataka	
Dr. K. V. Prasad Director, Directorate of Floriculture Research, College of Agriculture Campus, MPKV, Shivaji Nagar, Pune	Special Invitee
Dr. S. P. S. Raghava Rtd. Project Coordinator(Floriculture),ICAR, New Delhi & Marigold Breeder	Special Invitee
Dr. Ravi Prakash Registrar, PPV&FR Authority, New Delhi	Member Secretary

X. DUS Testing Centres

Nodal DUS Testing Centre	Other DUS Testing Centre
Division of Floriculture and Landscaping ICAR- IndianAgriculturalResearchInstitute, New Delhi	Division of Ornamental Crops ICAR- IndianInstitute of Horticultural Research, Bangalore, Karnataka

PUBLIC NOTICE

Sub: Advertisement is given under sub-section (2) and (3) of Section 21 of the Protection of Plant Varieties and Farmers' Rights Act, 2001 for registration of farmers' variety [Section 2(j)(ii)] read with Rules 30 and 31 of PPV & FR Rules, 2003

It is hereby advertised that the application (s) for registration of farmers' varieties (falling within the definition of extant variety) listed herein have been accepted by the Registrar, Protection of Plant Varieties & Farmers' Rights Authority. The passport data of each variety furnished by the applicant are herewith advertised as specified for calling objections from the interested persons in the matter.

The place or places where the specimen of the variety may be inspected can be obtained in writing from the Registrar of the PPV & FR Authority.

Any person may, within three months from the date of advertisement of the application(s) give notice of opposition in writing to the registration of variety (as per Form PV-3 of the First Schedule of PPV&FR Rules, 2003). Oppositions, if any, to the registration must be submitted, in triplicate, to the Registrar, PPV&FRA, NASC Complex, DPS Marg, New Delhi -110 012 accompanied with the fee of Rs.10,000/- (Rupees Ten Thousand Only) by way of Demand Draft drawn in favour of "PPV & FR Authority" payable at New Delhi.

FORM O - 1
(See Rule 30)
Government of India, Plant Varieties Registry
Advertisement of accepted application for registration

01. Application No.

F801	OS859	13	1655
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 filed on 30/12/2013 by Bhuvneshwar Ekka, Village: Nakna, Post: Batoli, Distt: Sarguja (Chattisgarh), **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Khirasar**, 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 : **Khirasar**

Applicant : Bhuvneshwar Ekka

Address of the Applicant : Village: Nakna, Post: Batoli, Distt: Sarguja (Chattisgarh)

Nationality of Applicant : Indian

Application details

F801	OS859	13	1655
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a. Number :
b. Date of receipt : 30/12/2013
c. Date of acceptance : 30/12/2013

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Khirasar**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : **Khirasar**

Name of Parental Material : Own Material

Name of Reference Varieties : **MTU 1010, VL DHAN 206**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Uniform Purple
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	White
Endosperm: Content of amylase	Medium

Decorticated grain: Aroma	Absent
B. Distinct Characteristics: Khirasar has distinguishing characters as Flag leaf: Attitude of blade (late observation): Horizontal	

C. Reference varieties: MTU 1010 has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect VL DHAN 206 has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect	
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D. Date of commercialization of the variety	----
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02. Application No.

F630	OS688	13	1481
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 filed on 26/12/2013 by Dharohar Samiti, Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Bhaies Paath** 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 : **Bhaies Paath**

Applicant : Dharohar Samiti

Address of the Applicant : Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh

Nationality of Applicant : Indian

Application details

F630	OS688	13	1481
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a. Number :
b. Date of receipt : 26/12/2013
c. Date of acceptance : 26/12/2013

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Bhaies Paath**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : **Bhaies Paath**

Name of Parental Material : Own Material

Name of Reference Varieties : **RP BIO 226, SKAU 23**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
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Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Low
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Bhaies Paath has distinguishing characters as Lemma: Anthocyanin colouration of apex: Very Strong, Sterile lemma: Colour: Purple and Decorticated grain: Width: Narrow	

C. Reference varieties:	
RP BIO 226 has distinguishing characters as Lemma: Anthocyanin colouration of apex: Absent Sterile lemma: Colour: Straw	
SKAU 23 has distinguishing characters as has distinguishing characters as Lemma: Anthocyanin colouration of apex: Absent, Sterile lemma: Colour: Straw, Decorticated grain: Width: Medium	

D. Date of commercialization of the variety	----
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03. Application No.

F605	OS663	13	1456
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 filed on 26/12/2013 by Dharohar Samiti, Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Shiv Dharohar-1**, 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 : Shiv Dharohar-1

Applicant : Dharohar Samiti

Address of the Applicant : Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh

Nationality of Applicant : Indian

Application details

a. Number :

F605	OS663	13	1456
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b. Date of receipt : 26/12/2013

c. Date of acceptance : 26/12/2013

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)
Denomination : Shiv Dharohar-1
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed Denomination : Shiv Dharohar-1
Name of Parental Material : Own Material
Name of Reference Varieties : **DRR DHAN 39, MTU 1010**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Light Purple
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Long
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Low
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Shiv Dharohar-1 has distinguishing characters as Basal leaf: Sheath colour: Light Purple, Leaf: Anthocyanin colouration of auricles: Purple, Stem: Anthocyanin colouration of nodes: Present	

C. Reference varieties:
DRR DHAN 39 has distinguishing characters as Basal leaf: Sheath colour: Green, Leaf: Anthocyanin colouration of auricles: Colourless, Stem: Anthocyanin colouration of nodes: Absent
MTU 1010 has distinguishing characters as Basal leaf: Sheath colour: Green Leaf: Anthocyanin colouration of auricles: Colourless, Stem: Anthocyanin colouration of nodes: Absent

D. Date of commercialization of the variety	----
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04. Application No.

F626	OS684	13	1477
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 filed on 26/12/2013 by Dharohar Samiti, Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Ajam Dhan**, 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 : **Ajam Dhan**

Applicant : Dharohar Samiti

Address of the Applicant : Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh

Nationality of Applicant : Indian

Application details

a. Number	:	F626	OS684	13	1477
b. Date of receipt	:	26/12/2013			
c. Date of acceptance	:	26/12/2013			

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Ajam Dhan**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : **Ajam Dhan**

Name of Parental Material : Own Material

Name of Reference Varieties : **Shanti, Basmati 370**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Light Purple
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Medium
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
B. Distinct Characteristics:	
Ajam Dhan has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Purple, Spikelet: Colour of stigma: Purple	

C. Reference varieties:
Shanti has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colourless, Spikelet: Colour of stigma: White
Basmati 370 has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colourless , Spikelet: Colour of stigma: White

D. Date of commercialization of the variety	----
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05. Application No.

F613	OS671	13	1464
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 filed on 26/12/2013 by Dharohar Samiti, Village and Post Golaband, Panarapadar Para, Dist Kondagaon, Chattisgarh, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Machri Poti**, 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 : **Machri Poti**

Applicant : Dharohar Samiti

Address of the Applicant : Village and Post Golaband, Panarapadar Para, Dist
Kondagaon, Chattisgarh

Nationality of Applicant : Indian

Application details

a. Number	:	F613	OS671	13	1464
b. Date of receipt	:	26/12/2013			
c. Date of acceptance	:	26/12/2013			

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Machri Poti**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed : **Machri Poti**

Denomination

Name of Parental Material : Own Material

Name of Reference Varieties : **Mandya Vijaya**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Early
Stem: Length (excluding panicle; excluding floating rice)	V Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
B. Distinct Characteristics:	
Machri Poti has distinguishing characters as Time of heading (50 % of plants with panicles): Early	

C. Reference varieties:
Mandya Vijaya has distinguishing characters as Time of heading (50 % of plants with panicles): Medium

D. Date of commercialization of the variety	----
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06. Application No.

F788	OS846	13	1642
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 filed on 30/12/2013 by Bodh Ram Bhagat, Village Jujgu, Tehsil Bagicha, Distt Jashpur, Chattisgarh, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Chinmouri Jujgu**, 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 : **Chinmouri Jujgu**

Applicant : Bodh Ram Bhagat

Address of the Applicant : Village Jujgu, Tehsil Bagicha, Distt Jashpur, Chattisgarh

Nationality of Applicant : Indian

Application details

F788	OS846	13	1642
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a. Number : 30/12/2013

b. Date of receipt : 30/12/2013

c. Date of acceptance : 30/12/2013

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Chinmouri Jujgu**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : **Chinmouri Jujgu**

Name of Parental Material : Own Material

Name of Reference Varieties : **Basmati 370, Shanti**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Long
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
B. Distinct Characteristics:	
Chinmouri Jujgu has distinguishing characters as Panicle: Curvature of main axis: Drooping	
C. Reference varieties:	
Basmati 370 has distinguishing characters as Panicle: Curvature of main axis: Deflexed	

Shanti has distinguishing characters as Panicle: Curvature of main axis: Deflexed

D. Date of commercialization of the variety

07. Application No.

F287	OS306	14	366
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 filed on 20/02/2014 by Sanjay Kumar Das, Village and Post Ambajeet, Barkagaon, Dist Hajaribagh, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Shyam Jira**, 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 : **Shyam Jira**

Applicant : Sanjay Kumar Das

Address of the Applicant : Village and Post Ambajeet, Barkagaon, Dist Hajaribagh

Nationality of Applicant : Indian

Application details

a. Number :

F287	OS306	14	366
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b. Date of receipt : 20/02/2014

c. Date of acceptance : 20/02/2014

Crop (Taxonomical Lineage) : Rice (*Oryza sativa* L.)

Denomination : **Shyam Jira**

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed : **Shyam Jira**

Denomination

Name of Parental Material : Own Material

Name of Reference Varieties : **Govind, Sarju 52**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Long
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	Light Brown
Endosperm: Content of amylose	Low

Decorticated grain: Aroma	Absent
B. Distinct Characteristics: Shyam Jira has distinguishing characters as Flag leaf: Attitude of blade (late observation): Deflexed, Sterile lemma: colour: Purple	

C. Reference varieties: Govind has distinguishing characters as has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect, Sterile lemma: colour: Straw Sarju 52 has distinguishing characters as has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect, Sterile lemma: colour: Straw	
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D. Date of commercialization of the variety	----
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08. Application No.

F01	EC01	14	03
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 filed on 06/01/2014 by Joy Peter, Panikulangara House, Kallar-Yattiar P.O. Idukki (Dist.) Adimaly Munnar Road, Kerala, **India** for a **Farmers' variety** of crop **Small Cardamom**(*Elettaria cardamomum* Maton) having denomination **PANIKULANGARA GREEN BOLD NO.1**, 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 : PANIKULANGARA GREEN BOLD NO.1

Applicant : Joy Peter

Address of the Applicant : Panikulangara House, Kallar-Yattiar P.O. Idukki (Dist.)
Adimaly Munnar Road, Kerala

Nationality of Applicant : Indian

Application details

a. Number :

F01	EC01	14	03
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b. Date of receipt : 06/01/2014

c. Date of acceptance : 06/01/2014

Crop (Taxonomical Lineage) : **Small Cardamom** (*Elettaria cardamomum* Maton)

Denomination : PANIKULANGARA GREEN BOLD NO.1

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : PANIKULANGARA GREEN BOLD NO.1

Name of Parental Material : Own Material

Name of Reference Varieties : **APG 416**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Panicle growth habit	Semi-erect
Plant: Leafy stem (pseudo stem) pigmentation	Pale Green
Leaf: Pubescence	Glabrous
Panicle	Compound
Panicle: Branching pattern	Distal
Flower: Labellum variegation	Present
Capsule: Shape	Ovoid
Capsule: Matured capsule colour	Parrot Green
B. Distinct Characteristics:	
PANIKULANGARA GREEN BOLD NO.1 has distinguishing characters as Plant: Panicle growth habit : Semi-erect , Panicles per tiller : High, Panicle: Internodal length (cm) : Medium, Capsule: Matured capsule colour : Parrot Green, Dry recovery (%) : Very High , Plant: Height (m) : Tall, Capsules: Number of capsules per panicle : Very High, Seed weight (%) : Medium	

C. Reference varieties:
APG 416 has distinguishing characters as Plant: Panicle growth habit : Prostrate , Panicles per tiller : Normal Panicle: Internodal length (cm) : High , Capsule: Matured capsule colour : Pale Green, Dry recovery (%) : High , Plant: Height (m) : Medium , Capsules: Number of capsules per panicle : High and Seed weight (%) : High

D. Date of commercialization of the variety	----
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09. Application No.

F02	EC02	14	04
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 filed on 06/01/2014 by Joy Peter, Panikulangara House, Kallar-Yattiar P.O. Idukki (Dist.) Adimaly Munnar Road, Kerala, **India** for a **Farmers' variety** of crop **Small Cardamom**(*Elettaria cardamomum* Maton) having denomination **PANIKULANGARA GREEN BOLD NO.2**, 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 : PANIKULANGARA GREEN BOLD NO.2

Applicant : Joy Peter

Address of the Applicant : Panikulangara House, Kallar-Yattiar P.O. Idukki (Dist.)
Adimaly Munnar Road, Kerala

Nationality of Applicant : Indian

Application details

a. Number

F02	EC02	14	04
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b. Date of receipt : 06/01/2014
c. Date of acceptance : 06/01/2014
Crop (Taxonomical Lineage) : **Small Cardamom** (*Elettaria cardamomum* Maton)
Denomination : PANIKULANGARA GREEN BOLD NO.2
Type of Variety : Farmers' variety
Classification of Variety : Typical Variety
Previously proposed Denomination : PANIKULANGARA GREEN BOLD NO.2
Name of Parental Material : Own Material
Name of Reference Varieties : **ICRI 6**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Panicle growth habit	Semi-erect
Plant: Leafy stem (pseudostem) pigmentation	Pale Green
Leaf: Pubescence	Glabrous
Panicle	Compound
Panicle: Branching pattern	Distal
Flower: Labellum variegation	Present
Capsule: Shape	Ovoid
Capsule: Matured capsule colour	Parrot Green
B. Distinct Characteristics: PANIKULANGARA GREEN BOLD NO.2 has distinguishing characters as Plant: Panicle growth habit : Semi-erect , Panicles per tiller : High, Panicle : Compound, Capsule: Matured capsule colour : Parrot green Dry recovery (%) : Very High , Capsules: Number of capsules per panicle : Very High, Capsule: Width (mm) : Medium , Seed weight (%) : High	

C. Reference varieties: ICRI 6 has distinguishing characters as Plant: Panicle growth habit : Prostrate , Panicles per tiller : Normal Panicle : Simple , Capsule: Matured capsule colour : Pale green , Dry recovery (%) : High , Capsules: Number of capsules per panicle : High , Capsule: Width (mm) : Bold , Seed weight (%) : Medium
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D. Date of commercialization of the variety	----
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10. Application No.

F02	EC02	13	1010
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 filed on 29/11/2013 by K.J. Benny, Kalarickal (H), Puliyanmala P.O., Puliyanmala, Idukki (Dist.), Kerala-685515, **India** for a **Farmers' variety** of crop **Small Cardamom**(*Elettaria cardamomum* Maton) having denomination **ELA (ELARAJAN)**, 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 : ELA (ELARAJAN)

Applicant : K.J. Benny

Address of the Applicant : Kalarickal (H), Puliyanmala P.O., Puliyanmala, Idukki (Dist.), Kerala-685515

Nationality of Applicant : Indian

Application details

a. Number	:	F02	EC02	13	1010
b. Date of receipt	:	29/11/2013			
c. Date of acceptance	:	29/11/2013			

Crop (Taxonomical Lineage) : **Small Cardamom** (*Elettaria cardamomum* Maton)

Denomination : ELA (ELARAJAN)

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed : ELA (ELARAJAN)

Denomination : ELA (ELARAJAN)

Name of Parental Material : Own Material

Name of Reference Varieties : **ICRI 2**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Panicle growth habit	Semi-erect
Plant: Leafy stem (pseudostem) pigmentation	Pale Green
Leaf: Pubescence	Glabrous
Panicle	Simple
Panicle: Branching pattern	
Flower: Labellum variegation	Present
Capsule: Shape	Ovoid
Capsule: Matured capsule colour	Pale Green
B. Distinct Characteristics:	
ELA (ELARAJAN) has distinguishing characters as Plant: Panicle growth habit : Semi-erect , Panicles per tiller : High , Panicle: Length (cm) : Long , Panicle: Internodal length (cm) : High , Capsules: Number of capsules per cincinni : High , Dry recovery (%) : Very High	

C. Reference varieties:
ICRI 2 has distinguishing characters as Plant: Panicle growth habit : Erect , Panicles per tiller : Normal Panicle: Length (cm) : Medium, Panicle: Internodal length (cm) : Medium, Capsules: Number of capsules per cincinni : Medium , Dry recovery (%) : High

D. Date of commercialization of the variety	----
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11. Application No.

F01	EC01	13	978
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 filed on 26/11/2013 by Sabu Varghese, Vanderkunnel (H), Valiyathovala P.O. 685514, Kattappana, Idukki, Dist: Kerala, **India** for a **Farmers' variety** of crop **Small Cardamom**(*Elettaria cardamomum* Maton) having denomination **WONDER CARDAMOM**, 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 : WONDER CARDAMOM

Applicant : Sabu Varghese

Address of the Applicant : Vanderkunnel (H), Valiyathovala P.O. 685514,
Kattappana, Ldukki, Dist: Kerala

Nationality of Applicant : Indian

Application details

a. Number	:	F01	EC01	13	978
b. Date of receipt	:	26/11/2013			
c. Date of acceptance	:	26/11/2013			

Crop (Taxonomical Lineage) : **Small Cardamom** (*Elettaria cardamomum* Maton)

Denomination : WONDER CARDAMOM

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed : WONDER CARDAMOM

Denomination

Name of Parental Material : Own Material

Name of Reference Varieties : **ICRI 6**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Panicle growth habit	Semi-erect
Plant: Leafy stem (pseudostem) pigmentation	Pale Green
Leaf: Pubescence	Glabrous
Panicle	Simple
Panicle: Branching pattern	
Flower: Labellum variegation	Present
Capsule: Shape	Ovoid
Capsule: Matured capsule colour	Pale Green

B. Distinct Characteristics:

WONDER CARDAMOM has distinguishing characters as Plant: Panicle growth habit : Semi-erect , Capsules: Number of capsules per panicle : Very High , Capsule: Length (mm) (Avg. measurement of 10 plants) : Long
Number of seeds/capsule : Many

C. Reference varieties:

ICRI 6 has distinguishing characters as Plant: Panicle growth habit : Prostrate , Capsules: Number of capsules per panicle : High , Capsule: Length (mm) (Avg. measurement of 10 plants) : Medium , Number of

seeds/capsule : Medium

D. Date of commercialization of the variety : ----

12. Application No.

F04	EC04	13	1188
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 filed on 06/12/2013 by T. P. Joseph and Saji Joseph, Thiruthalil-H, Pethotty-P.O., Santhanpara, Idukki-685619, **India** for a **Farmers' variety** of crop **Small Cardamom**(*Elettaria cardamomum* Maton) having denomination **THIRUTHALI**, 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 : THIRUTHALI

Applicant : T. P. Joseph and Saji Joseph

Address of the Applicant : Thiruthalil-H, Pethotty-P.O., Santhanpara, Idukki-685619

Nationality of Applicant : Indian

Application details

a. Number	:	<table border="1"><tr><td>F04</td><td>EC04</td><td>13</td><td>1188</td></tr></table>	F04	EC04	13	1188
F04	EC04	13	1188			
b. Date of receipt	:	06/12/2013				
c. Date of acceptance	:	06/12/2013				

Crop (Taxonomical Lineage) : **Small Cardamom** (*Elettaria cardamomum* Maton)

Denomination : THIRUTHALI

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed : THIRUTHALI

Denomination : THIRUTHALI

Name of Parental Material : Own Material

Name of Reference Varieties : **ICRI 2**

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Panicle growth habit	Semi-erect
Plant: Leafy stem (pseudostem) pigmentation	Pale Green
Leaf: Pubescence	Glabrous
Panicle	Simple
Panicle: Branching pattern	
Flower: Labellum variegation	Present
Capsule: Shape	Ovoid
Capsule: Matured capsule colour	Pale Green

B. Distinct Characteristics:

THIRUTHALI has distinguishing characters as Plant: Panicle growth habit : Semi-erect , Panicles per tiller : High , Panicle: Length (cm) : Long , Capsules: Number of capsules per cincinni : High , Plant: Number of bearing tillers : High , Plant: Leafy stem (pseudostem) thickness (cm) : Thick , Panicle: Number of panicles per plant : High , Capsules: Number of capsules per panicle : Very High

C. Reference varieties:

ICRI 2 has distinguishing characters as Plant: Panicle growth habit : Erect , Panicles per tiller : Normal Panicle: Length (cm) : Medium , Capsules: Number of capsules per cincinni : Medium, Plant: Number of bearing tillers : Medium , Plant: Leafy stem (pseudostem) thickness (cm) : Medium, Panicle: Number of panicles per plant : Medium, Capsules: Number of capsules per panicle : Medium

D. Date of commercialization of the variety

13. Application No.

F01	PN01	13	301
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 filed on 15/05/2013 by T.T. Thomas, Thekkel Veedu (House), Kanchiyar PO Idukki district, Kerala, **India** for a **Farmers' variety** of crop **Black pepper** (*Piper nigrum L.*) having denomination **Pepper Thekkan**, 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 : Pepper Thekkan

Applicant : T.T. Thomas

Address of the Applicant : Thekkel Veedu (House), Kanchiyar PO Idukki district, Kerala

Nationality of Applicant : Indian

Application details

F01	PN01	13	301
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a. Number :
b. Date of receipt : 15/05/2013
c. Date of acceptance : 15/05/2013

Crop (Taxonomical Lineage) : **Black pepper** (*Piper nigrum L.*)

Denomination : Pepper Thekkan

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : Pepper Thekkan

Name of Parental Material : Own Material

Name of Reference Varieties : Nedumchola

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Shoot tip colour	Light purple
Leaf: Length (cm)	Medium
Leaf: Width (cm)	Narrow
Leaf: Lamina shape	Ovate-lanceolate
Leaf: Base shape	Acute
Leaf: Margin	Even
Spike: Length (cm)	Medium
Spike: Setting	Compact
Berry: Shape	Round
Berry: Size (mm)	Small
B. Distinct Characteristics: Pepper Thekkan has distinguishing characters as Leaf: Length (cm) : Medium	

C. Reference varieties: Nedumchola has distinguishing characters as Leaf: Length (cm) : Short

D. Date of commercialization of the variety	----
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14. Application No.

F03	PN03	13	980
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 filed on 26/11/2013 by George Kalluvellil Varkey, Kalluvellil' house Thachampara P.O. Palakkad district, Kerala **India** for a **Farmers' variety** of crop **Black pepper** (*Piper nigrum L.*) having denomination **AGALI PEPPER**, 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 : AGALI PEPPER

Applicant : George Kalluvellil Varkey

Address of the Applicant : Kalluvellil' house Thachampara P.O. Palakkad district, Kerala

Nationality of Applicant : Indian

Application details

a. Number	:	<table border="1" style="display: inline-table;"><tr><td>F03</td><td>PN03</td><td>13</td><td>980</td></tr></table>	F03	PN03	13	980
F03	PN03	13	980			
b. Date of receipt	:	26/11/2013				
c. Date of acceptance	:	26/11/2013				
Crop (Taxonomical Lineage)	:	Black pepper (<i>Piper nigrum L.</i>)				
Denomination	:	AGALI PEPPER				
Type of Variety	:	Farmers' variety				
Classification of Variety	:	Typical Variety				
Previously proposed	:	AGALI PEPPER				
Denomination	:					
Name of Parental Material	:	Own Material				
Name of Reference Varieties	:	Naranyakodi				

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Shoot tip colour	Light purple
Leaf: Length (cm)	Long
Leaf: Width (cm)	Broad
Leaf: Lamina shape	Ovate-lanceolate
Leaf: Base shape	Acute
Leaf: Margin	Wavy
Spike: Length (cm)	Short
Spike: Setting	Compact
Berry: Shape	Round
Berry: Size (mm)	Medium
B. Distinct Characteristics:	
AGALI PEPPER has distinguishing characters as Berry: Size (mm) : Medium	

C. Reference varieties:
Naranyakodi has distinguishing characters as Berry: Size (mm) : Small

D. Date of commercialization of the variety	----
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15. Application No.

F02	PN02	13	979
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 filed on 26/11/2013 by K.T. Varghese, Kumbuckal House Cheruvallikulam, Murinjapuzha, P.O. 686532, Idukki, Kerala, **India** for a **Farmers' variety** of crop **Black pepper** (*Piper nigrum L.*) having denomination **KUMBUCKAL SELECTION**, 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 : KUMBUCKAL SELECTION

Applicant : K.T. Varghese

Address of the Applicant : Kumbuckal House Cheruvallikulam, Murinjapuzha, P.O. 686532, Idukki, Kerala

Nationality of Applicant : Indian

Application details

a. Number :

F02	PN02	13	979
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b. Date of receipt : 26/11/2013

c. Date of acceptance : 26/11/2013

Crop (Taxonomical Lineage) : **Black pepper** (*Piper nigrum L.*)

Denomination : KUMBUCKAL SELECTION

Type of Variety : Farmers' variety

Classification of Variety : Typical Variety

Previously proposed Denomination : KUMBUCKAL SELECTION

Name of Parental Material : Own Material

Name of Reference Varieties : Karimunda

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant: Shoot tip colour	Light purple
Leaf: Length (cm)	Long
Leaf: Width (cm)	Medium
Leaf: Lamina shape	Ovate-lanceolate
Leaf: Base shape	Round
Leaf: Margin	Even
Spike: Length (cm)	Short
Spike: Setting	Compact
Berry: Shape	Round
Berry: Size (mm)	Medium
B. Distinct Characteristics: KUMBUCKAL SELECTION has distinguishing characters as Leaf: Length (cm): Long, Leaf: Lamina shape: Ovate-lanceolate	

C. Reference varieties: Karimunda has distinguishing characters as Leaf: Length (cm): Medium, Leaf: Lamina shape: Ovate

D. Date of commercialization of the variety	----
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PUBLIC NOTICE

Sub: Advertisement is given under sub-section (2) and (3) of Section 21 of the Protection of Plant Varieties and Farmers' Rights Act, 2001 and Rules 30 and 31 of PPV & FR Rules, 2003

The passport data of each variety furnished by the applicant are herewith advertised as specified for calling objections from the persons in the matter.

The place or places where the specimen of the variety may be inspected can be obtained in writing from the Registrar of the PPV & FR Authority.

Any person may, within three months from the date of advertisement of the application(s) give notice of opposition in writing to the registration of variety (as per Form PV-3 of the First Schedule of PPV&FR Rules, 2003). Oppositions, if any, to the registration must be submitted, in triplicate, to the Registrar, PPV&FRA, NASC Complex, DPS Marg, New Delhi -110 012 accompanied with the fee of Rs.10,000/- (Rupees Ten Thousand Only) by way of Demand Draft drawn in favour of " PPV & FR Authority" payable at New Delhi.

FORM O - 1
(See Rule 30)
Government of India, Plant Varieties Registry
Advertisement of accepted application for registration

1. Application No.

N15	GH20	12	204
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 filed on 13.06.2012 by **Kaveri Seed Company Ltd., #513-B, 5th Floor, Minerva Complex, SD Road, Secunderabad-500003, A.P., India** for a **New Variety** of crop **Tetraploid Cotton** [*Gossypium hirsutum* L.] having denomination **KCH-172 BG II** 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 : **KCH-172 BG II**
Applicant : **Kaveri Seed Company Ltd.**
Address of the Applicant : #513-B, 5th Floor, Minerva Complex, SD Road,
 Secunderabad- 500003, A.P., India

Nationality of Applicant : Indian

Application details
 a. Number :

E15	GH20	12	204
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 b. Date of receipt : 13.06.2012
 c. Date of acceptance : --

Crop (Taxonomical Lineage) : **Tetraploid Cotton** [*Gossypium hirsutum* L.]

Denomination : KCH-172 BG II

Type of Variety : New Variety

Classification of Variety : Transgenic & Hybrid Variety

Previously proposed : Not applicable

Denomination

Name of Parental Material : JC-1 X LS-818 BG II

Source of parental material : Own germplasm

Name of Reference Varieties : CSHH-198 & MCU 11

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Shape	Palmate
Flower: Petal colour	Yellow
Flower: Pollen colour	Cream
Boll: Shape (longitudinal section)	Ovate
Fibre: Length(2.5% span length)(mm)	Long

B. Distinct Characteristics: KCH-172 BG II has distinguishing character as Flower: Petal colour: Yellow .	
C. Reference variety: CSHH-198 & MCU 11 has distinguishing character as Flower: Petal colour: Cream .	
D. Date of commercialization of the variety	Not commercialized
E. Agronomic and commercial attributes	Adaptability to change in agronomic condition, KCH-172 BG II gave significantly higher seed cotton yield at all the locations. The product is most suitable for heavy soils of Gujarat and MP. The row spacing 120 X 90 cm was found to be optimum. Among the fertilizer doses 100% RDF gave higher seed cotton yield. It is found resistance to lodging and responds very well for higher doses of fertilizers. However, KCH-172 BG II was found disease free against bacterial leaf blight, grey mildew, para wilt, and tolerant to root rot, aphids and jassids. Matures in 180-190 days, it has a plant height ranging from 140-150 cm, oval boll shape, smooth surface, pointed prominence of tip, medium boll weight, high ginning %, dense seed fuzz, white fibre colour and desired fibre properties. American cotton is grown for seed cotton yield and lint which is used as major textile raw material, surgical and domestic purposes.

Photographs: (See figure-1)

2. Application No.

E13	LL13	11	31
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 filed on 04.01.2011 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra**, for a **Extant (Variety of Common Knowledge)** of crop **Tomato** [*Lycopersicon lycopersicum* (L.)] having denomination **MHTM 401**, 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 : **MHTM 401**
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 :

E13	LL13	11	31
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b. Date of receipt : 04.01.2011
c. Date of acceptance : --
Crop (Taxonomical Lineage) : Tomato [*Lycopersicon lycopersicum* (L.)]
Denomination : MHTM 401
Type of Variety : Extant (Variety of Common Knowledge)
Classification of Variety : Hybrid
Previously proposed : Not applicable
Denomination

Name of Parental Material : T 488 x T 2044
Source of Parental material : Mahyco bred pure line
Name of Reference Varieties : Arka Ahuti.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant : Growth type	Determinate
Leaf : Serration	Less serrated
Fruit : Green shoulder	Absent
Fruit : Shape in longitudinal section	Obovoid
Fruit : Colour at maturity	Red
B. Distinct Characteristics: MHTM 401 has distinguishing character as Fruit: Shape in longitudinal section: Obovoid.	

C. Reference variety: Arka Ahuti has distinguishing character as Fruit: Shape in longitudinal section: **Cylindrical.**

D. Date of commercialization of the variety	16/10/2008
E. Agronomic and commercial attributes	Plant habit: Tall determinate, First marketable produce after transplanting : 75-80 days, Pedicel attachment: Jointed, Fruit shape: Oval, Fruit shoulder colour: White, Fruit colour (Ripe): Deep red, TSS (Brix): 3.5-4.0 Degree, Average fruit weight (g): 75-85, Other features: Fruits with superior firmness and appealing qualities. Suitable for both fresh markets and distant transportation.

Photographs: (See Figure-2)

3. Application No.

E16	LL16	11	42
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 filed on 04.01.2011 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra.** for a **Extant (Variety of Common Knowledge)** of crop **Tomato** [*Lycopersicum lycopersicum* (L.)] having denomination **MHTM 301**, 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 : **MHTM 301**
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

b. Date of receipt

E16	LL16	11	42
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: 04.01.2011

c. Date of acceptance : --
Crop (Taxonomical Lineage) : Tomato [*Lycopersicum lycopersicum* (L.)]
Denomination : MHTM 301
Type of Variety : Extant (Variety of Common Knowledge)
Classification of Variety : Hybrid
Previously proposed : Not applicable
Denomination
Name of Parental Material : G 262 x T LCV 87
Source of Parental material : Mahyco breed line
Name of Reference Varieties : Azad T-2, Punjab Upma.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant : Growth type	Determinate
Leaf : Serration	Less serrated
Fruit : Green shoulder	Present
Fruit : Shape in longitudinal section	Slightly flattened
Fruit : Colour at maturity	Red
B. Distinct Characteristics: MHTM 301 has distinguishing character as Fruit: Green shoulder (before maturity): Present , Fruit: Number of locules: >4 (3) .	
C. Reference variety: Azad T-2 has distinguishing character as Fruit: Number of locules: 3-4 . Punjab Upma has distinguishing character as Fruit: Green shoulder (before maturity): Absent , Fruit: Number of locules: 2 .	
D. Date of commercialization of the variety	16/10/2008
E. Agronomic and commercial attributes	Hypocotyl Colour: Purple, Plant type: Tall Determinate (Semi-indeterminate), First marketable produce after transplanting : 75-80 days, Pedicel attachment: Jointed, Fruit shape: Flat Round, Shoulder colour: Green, Average Fruit weight(g): 80-90, Fruit Firmness: medium, Transport Potential (days): 5-6 days, TSS (Brix) value: 3.5-4.0, Fruit Colour (after ripening): Deep Red, Disease Reaction: ToLCV Tolerant, Unique Selling Proposition: Attractive fruit colour and size, higher average fruit weight, Deshi type tasty sour fruits with profuse bearing.

Photographs: (See Figure: 3)

4. Application No.

E4	AE4	11	60
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 filed on 04.01.2011 by **Sungro Seeds Research Limited, 3rd Floor, Manish Chambers, B.N. Block, Local Shopping Centre, Shalimar Bagh, New Delhi-110088.** for a **Extant (Variety of Common Knowledge)** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **SLFH-7777**, 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 : **SLFH-7777**
Applicant : **Sungro Seeds Research 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	AE4	11	60
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b. Date of receipt

: 04.01.2011

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Okra [*Abelmoschus esculentus* (L.) Moench]

Denomination

: SLFH-7777

Type of Variety

: Extant (Variety of Common Knowledge)

Classification of Variety

: Hybrid

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: SOK-100028 x SOK-110028

Source of Parental material

: Sungro's in-house germplasm

Name of Reference Varieties

: Parbhani Kranti.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Leaf blade: Depth of lobbing	Shallow
Stem: Number of nodes at first flowering	Medium
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Medium
B. Distinct Characteristics: SLFH-7777 has distinguishing character as Leaf blade: Depth of lobbing: Shallow.	

C. Reference variety: Parbhani Kranti has distinguishing character as Leaf blade: Depth of lobbing: Medium.	
D. Date of commercialization of the variety	Bhindi Hyb. No. 7777 sold 08/01/2007
E. Agronomic and commercial attributes	Plant habit: Tall, First Picking (Days): 48-50, Fruit Shape: Long, Fruit Ridges: 5, Fruit Colour: Green, Fruit Length (CMS): 13-15.

Photographs: (See Figure-4)

5. Application No.

N4	AE8	11	79
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 filed on 13.01.2011 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **New Variety** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **OK-184**, 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-184**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number

N4	AE8	11	79
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b. Date of receipt

: 13.01.2011

c. Date of acceptance

: --

Crop (Taxonomical Lineage) : Okra [*Abelmoschus esculentus* (L.) Moench]

Denomination : OK-184

Type of Variety : New

Classification of Variety : Other (Parental Line)

Previously proposed : Not applicable

Denomination

Name of Parental Material : (OKHI-4 X OK-78)-6-5-3-2-1-1

Source of Parental material : Nuziveedu Seeds Private Limited

Name of Reference Varieties : Arka Anamika, Parbhani Kranti.

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Stem: Number of nodes at first flowering	Medium
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Many
B. Distinct Characteristics: OK-184 has distinguishing character as Fruit length of physiologically mature fruit(cm): Medium	

C. Reference variety: Arka Anamika, Parbhani Kranti has distinguishing character as Fruit length of physiologically mature fruit (cm): **Long.**

D. Date of commercialization of the variety	NOKH-1003-P100G sold 28/06/2010
E. Agronomic and commercial attributes	Days to Produce: 47-50 days, Fruit Colour: Dark Green, Fruit Length (CM): 10-11, Fruit Tenderness: Tender Fruits, Leaf type: Okra, No. of Locules: 5, Plant height: Medium

	tall, Flower petal spot: Inside only, Remarks: Susceptible to Elcv virus in field condition.
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Photographs: (See Figure -5)

6. Application No.

E35	PG13	09	113
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 filed on **26.03.2009** by **DCM Shriram Limited, 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001** for a **Extant** (Variety of Common Knowledge) of crop **Pearl Millet** (*Pennisetum glaucum* L.) having denomination **PM 80105R**, 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 : **PM 80105R**
Applicant : **DCM Shriram Limited**
Address of the Applicant : **5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001**

Nationality of Applicant : Indian

Application details

a. Number

E35	PG13	09	113
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b. Date of receipt

: 26.03.2009

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Pearl Millet (*Pennisetum glaucum* L.)

Denomination

: PM 80105R

Type of Variety

: Extant (Variety of Common Knowledge)

Classification of Variety

: Other (inbred Parent line)

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: 101 X 102

Source of parental material

: **In-house Germplasm of Bio Seed Research India Pvt. Limited**

Name of Reference Varieties

: ICMB 88004, 842B

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Time of spike emergence (50% plants with at least one spike emerged fully)	Late
Spike: Anther colour	Absent
Spike: shape	Conical
Seed: Colour	Deep grey
Seed: Shape	Globular
B. Distinct Characteristics: PM 80105R has distinguishing character as Plant: Node pigmentation: Green , Spike: Shape: Candle .	

C. Reference variety: ICMB 88004 has distinguishing character as Plant: Node pigmentation: Purple , Spike: Shape: Conical . 842B has distinguishing character as Plant: Node pigmentation: Purple , Spike: Shape: Conical .	
D. Date of commercialization of the variety	Hybrid BIO 448 was sold as 8494 & 333 09-02-2008
E. Agronomic and commercial attributes	Days to 50% flowering: 51-54, Maturity group: Late, Panicle: Compact, Pollen shedding ability: Very good, Pollen Load: Very good, Tolerance to Downy Mildew: Good, Combining Ability: Good.

Photographs: (See Figure-6)

7. Application No.

N30	GH171	09	421
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 filed on 06.10.2009 by **DCM Shriram Limited, 5th Floor Kanchenjunga Building, 18 Barakhamba Road, New Delhi-110001, India** for a **New variety** of crop **Tetraploid Cotton** [*Gossypium hirsutum* L.] having denomination **BIO 60254I2** 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 : **BIO 60254I2**
Applicant : **DCM Shriram Limited.**
Address of the Applicant : 5th Floor Kanchenjunga Building, 18 Barakhamba Road,
New Delhi-110001, India

Nationality of Applicant : Indian

Application details

a. Number

N30	GH171	09	421
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b. Date of receipt

: 06.10.2009

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: **Tetraploid Cotton** [*Gossypium hirsutum* L.]

Denomination

: BIO 60254I2

Type of Variety

: New Variety

Classification of Variety

: Transgenic Inbred line

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: 60254 X MTC-512.01

Source of parental material

: Bioseed Research India

Name of Reference Varieties

: L604

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Shape	Palmate
Flower: Petal colour	Cream

Flower: Pollen colour	Cream
Boll: Shape (longitudinal section)	Ovate
Fibre: Length(2.5% span length)(mm)	Medium long
B. Distinct Characteristics: BIO 60254I2 has distinguishing character as Leaf: Hairiness: Medium .	
C. Reference variety: L604 has distinguishing character as Leaf: Hairiness: Sparse .	
D. Date of commercialization of the variety	Hybrid BIO 2113-2 sold 22-04-2009
E. Agronomic and commercial attributes	Developed by Bioseed Research India. Spacing:- 67.5 X 60 cm. General Traits: No. Of Sympodia-16, No. of Monopodia-2, Days to Square Formation-42 Days, Average boll no. per plant-45-55, Boll Wt-3.8 gm., Fiber Lenth-24-26 mm.(2.5% S.L), Fiber Strength-22.5 g/tex. (Tenacity 3.2 mm), Highly Tolerance to All Sucking Pest.

Photographs: (See figure-7)

8. Application No.

E20	GH37	12	274
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 filed on 29.06.2012 by **Prabhat Agri Biotech Ltd., 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082, Telangana-India** for a **Extant (Variety of Common Knowledge)** of crop **Cotton** [*Gossypium hirsutum* L.] having denomination **PC-P581** 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 : **PC-P581**
Applicant : **Prabhat Agri Biotech Ltd.**
Address of the Applicant : 6-3-541/B, Opp. Heritage Office, Punjagutta, Hyderabad-500082, Telangana-India.

Nationality of Applicant : Indian

Application details

a. Number

E20	GH37	12	274
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b. Date of receipt

: 29.06.2012

c. Date of acceptance

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Crop (Taxonomical Lineage)

: **Cotton** [*Gossypium hirsutum* L.]

Denomination

: PC-P581

Type of Variety

: Extant (Variety of Common Knowledge)

Classification of Variety

: Hybrid

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: PCGP-147 X AKH 081

Source of parental material :
 Name of Reference Varieties : Kanchana
 Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Shape	Palmate
Flower: Petal colour	Yellow
Flower: Pollen colour	Yellow
Boll: Shape (longitudinal section)	Ovate
Fibre: Length(2.5% span length)(mm)	Long
B. Distinct Characteristics: PC-P581 has distinguishing character as Seed: Fuzz colour: White	
C. Reference variety: Kanchana has distinguishing character as Seed: Fuzz colour: Grey	
D. Date of commercialization of the variety	First Hybrid PCH-125 sold 05-06-2001
E. Agronomic and commercial attributes	The candidate variety has a good tolerance to sucking pest. The candidate variety is a parent in some of our commercially successful hybrids and is actively utilized in our hybrid development programs.

Photographs: (See figure-8)

9. Application No.

N3	AE7	11	78
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 filed on 13.01.2011 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **New Variety** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **OK-169**, 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-169**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number

N3	AE7	11	78
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b. Date of receipt

: 13.01.2011

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Okra [*Abelmoschus esculentus* (L.) Moench]

Denomination

: OK-169

Type of Variety

: New

Classification of Variety

: Other (Parental Line)

Previously proposed

: Not applicable

Denomination

Name of Parental Material : OK-78 x OKHI-4
Source of Parental material : Nuziveedu Seeds Pvt. Ltd.
Name of Reference Varieties : Arka Anamika

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Leaf blade: Depth of lobbing	Medium
Fruit : colour	Light green
Fruit : Number of locules	<6
B. Distinct Characteristics: OK-169 has distinguishing character as Leaf blade depth of lobbing: Medium	

C. Reference variety: Arka Anamika has distinguishing character as Leaf blade depth of lobbing: Deep	
D. Date of commercialization of the variety	Hybrid NOKH-1002 sold 28/06/2010
E. Agronomic and commercial attributes	Days to Produce: 49-50 days, Fruit Colour: Light Green, Fruit Length (CM): 10-12, Fruit Tenderness: Tender Fruits, Leaf type: Okra, No. of Locules: 5, Plant height: Medium tall, Flower petal spot: Inside only, Remarks: Tolerant to YVMV virus in field condition.

Photographs: (See Figure-9)

10. Application No.

N7	AE7	10	451
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 filed on 27.12.2010 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **New Variety** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **NOKH-1001**, 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 : **NOKH-1001**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number

N7	AE7	10	451
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b. Date of receipt

: 27.12.2010

c. Date of acceptance

: --

Crop (Taxonomical Lineage)

: Okra [*Abelmoschus esculentus* (L.) Moench]

Denomination

: NOKH-1001

Type of Variety : New
Classification of Variety : Hybrid
Previously proposed : Not applicable

Denomination

Name of Parental Material : OK-372 x OK-199
Source of Parental material : Nuziveedu Seeds Pvt. Ltd.
Name of Reference Varieties : SB-8, Varsha Uphar

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Leaf blade: Depth of lobbing	Deep
Stem: Number of nodes at first flowering	Few
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Many
B. Distinct Characteristics: NOKH-1001 has distinguishing character as Stem: Number of nodes at first flowering: Few	

C. Reference variety: SB-8, Varsha Uphar has distinguishing character as Stem: Number of nodes at first flowering: Medium	
D. Date of commercialization of the variety	Hybrid NOKH-1001 sold 09/12/2010
E. Agronomic and commercial attributes	Days to Produce: 46-47 days, Fruit Colour: Lusk Dark Green, Fruit Length (CM): 10-12, Fruit Tenderness: Tender Fruits, Leaf type: Okra, No. of Locules: 5, Plant height: Medium Tall, Remarks: Hybrid is highly tolerant to OYVMV virus in field condition.

Photographs: (See Figure-10)

11. Application No.

N8	AE8	10	452
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 filed on 27.12.2010 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **New Variety** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **NOKH-1004**, 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 : **NOKH-1004**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number

b. Date of receipt

c. Date of acceptance

Crop (Taxonomical Lineage)**Denomination****Type of Variety****Classification of Variety****Previously proposed****Denomination****Name of Parental Material****Source of Parental material****Name of Reference Varieties****Variety Description:**

N8	AE8	10	452
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: 27.12.2010

: --

: Okra [*Abelmoschus esculentus* (L.) Moench]

: NOKH-1004

: New

: Hybrid

: Not applicable

: OK-372 x OK-184

: Nuziveedu Seeds Pvt. Ltd.

: Varsha Uphar

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Leaf blade: Depth of lobbing	Deep
Stem: Number of nodes at first flowering	Medium
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Medium
B. Distinct Characteristics: NOKH-1004 has distinguishing character as Leaf blade: Depth of lobbing: Deep	

C. Reference variety: Varsha Uphar has distinguishing character as Leaf blade: Depth of lobbing: Shallow	
D. Date of commercialization of the variety	28/07/2010
E. Agronomic and commercial attributes	Days to Produce: 47-48 days, Fruit Colour: Lusk Dark Green, Fruit Length (CM): 08-10, Fruit Tenderness: Tender Fruits, Leaf type: Okra, No. of Locules: 5, Plant height: Medium Tall, Flower prtal spot: Inside only, Remarks: Hybrid is highly tolerant to OYVMV virus in field condition.

Photographs: (See Figure-11)

12. Application No.

N1	AE5	11	76
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 filed on 13.01.2011 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **New Variety** of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **OK-372**, 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-372**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number :

N1	AE5	11	76
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b. Date of receipt : 13.01.2011
c. Date of acceptance : --

Crop (Taxonomical Lineage) : Okra [*Abelmoschus esculentus* (L.) Moench]

Denomination : OK-372

Type of Variety : New

Classification of Variety : Other (parental line)

Previously proposed : Not applicable

Denomination

Name of Parental Material : NOKH-1001 x NOKH-1004

Source of Parental material : Nuziveedu Seeds Pvt. Ltd.

Name of Reference Varieties : ARKA ANAMIKA, Prabhani Kranti

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Stem: Colour	Green
Leaf blade: Depth of lobbing	Deep
Stem: Number of nodes at first flowering	Few
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Medium
B. Distinct Characteristics: OK-372 has distinguishing character as Stem: Number of nodes at first flowering : Few , Plant: Number of branches: Medium .	

C. Reference variety: ARKA ANAMIKA, Prabhani Kranti has distinguishing character as Stem: Number of nodes at first flowering : Medium , Plant: Number of branches: Many .	
D. Date of commercialization of the variety	Hybrid NOKH-1004 sold 28/07/2010
E. Agronomic and commercial attributes	Days to Produce: 45-47 days, Fruit Colour: Dark Green, Fruit Length (CM): 10-12, Fruit Tenderness: Tender Fruits, Leaf type: Okra, No. of Locules: 5, Plant height: Medium Tall, Flower prtal spot: Inside only, Remarks: Susceptible to YVM virus in field condition.

Photographs: (See Figure-12)

13. Application No.

N4	GA4	12	59
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 filed on **16.03.2012** by **M/S Shakti Vardhak Hybrid Seeds Pvt Ltd, Tilak Bazar, Hisar-125001 (Haryana)**. for a **New Variety** of crop **Diploid Cotton** [*Gossypium arboretum* (L.)] having denomination **SV-22**, 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 : SV-22
Applicant : M/S Shakti Vardhak Hybrid Seeds Pvt Ltd
Address of the Applicant : Tilak Bazar, Hisar-125001 (Haryana).

Nationality of Applicant : Indian

Application details

a. Number :

b. Date of receipt :

c. Date of acceptance :

N4	GA4	12	59
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16-05-2012
Crop (Taxonomical Lineage) : **Diploid Cotton** [*Gossypium arboreum* (L.)]

Denomination : SV-22

Type of Variety : New Variety

Classification of Variety : Typical

Previously proposed : Not applicable

Denomination

Name of Parental Material : GMS-1 x SV-45

Source of parental material : GMS-1:CCSHAU, Hisar, SV-45: Own Germplasm line

Name of Reference Varieties : AKA-7

Variety Description:

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Shape	Digitate
Flower: Petal colour	White
Flower: Pollen colour	Yellow
Boll: Shape (longitudinal section)	Ovate
Fibre: Length (2.5 % span length)(mm)	Medium
B. Distinct Characteristics: SV-22 has distinguishing character as Flower: Petal colour: White	
C. Reference variety: AKA-7 has distinguishing character as Flower: Petal colour: Yellow	
D. Date of commercialization of the variety	Not commercialised
E. Agronomic and commercial attributes	Adaptability to change in agronomic conditions, the row spacing of 67.5 x 30 cm was found to be optimum. It is found resistance to lodging, responsive to fertilizer doses and gives better yield at 100% RDF. It matures in 155-160 days. It is suitable for cotton-raya/ wheat rotation under irrigated conditions. SV-22 has total balance of traits that makes a variety more profitable to farmers. Disease resistance. These qualities will optimize the yield and gives maximum economic return to the farmers. <i>Arboreum</i> lint is being used in surgical and domestic purposes as well as textile raw material.

Photographs: (See figure 13)

14. Application No.

E12	LL12	11	25
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 filed on 04.01.2011 by **Nuziveedu Seeds Pvt. Ltd., Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.** for a **Extant (Variety of Common Knowledge)** of crop **Tomato** [*Lycopersicum lycopersicum* (L.)Karsten ex. Farw.] having denomination **FN 9018**, 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 9018**
Applicant : **Nuziveedu Seeds Pvt. Ltd.**
Address of the Applicant : Survey No. 69, Gundlapochampally (Vill. & Panchayat), Medchal-Mandal, Rangareddy- Dist, Telangana -501401.

Nationality of Applicant : Indian

Application details

a. Number

E12	LL12	11	25
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b. Date of receipt

: 04.01.2011

c. Date of acceptance

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Crop (Taxonomical Lineage)

: Tomato [*Lycopersicum lycopersicum* (L.)Karsten ex. Farw.]

Denomination

: FN 9018

Type of Variety

: Extant (Variety of Common Knowledge)

Classification of Variety

: Typical

Previously proposed

: Not applicable

Denomination

Name of Parental Material

: BA-1005 x T-1009

Source of Parental material

: Nuziveedu Seeds Pvt. Ltd

Name of Reference Varieties

: Azad T-2, JT-3.



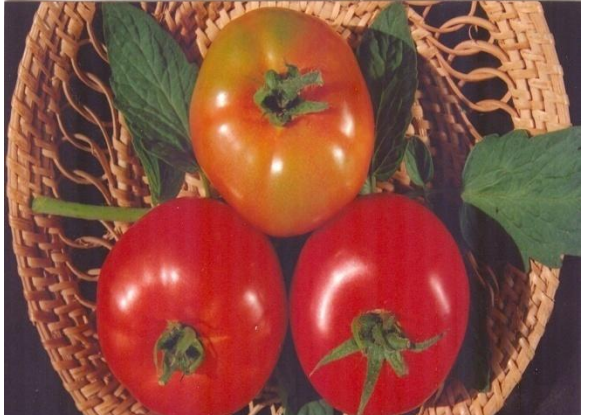

Variety Description:






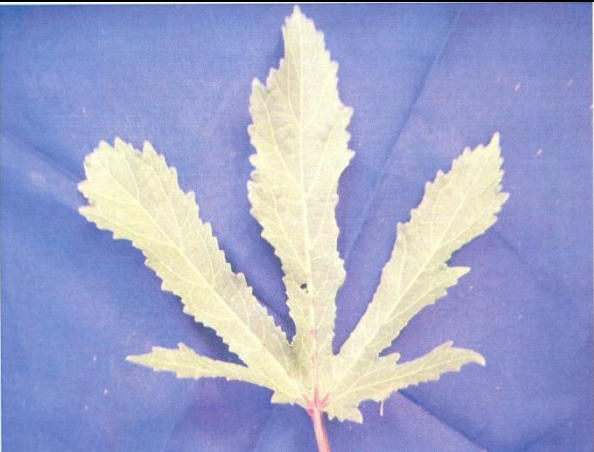
A. Group Characteristics	Remarks measured values, example varieties, etc.
Plant : Growth type	Determinate
Leaf : Serration	Less serrated
Fruit : Green shoulder	Absent
Fruit : Shape in longitudinal section	Flattened
Fruit : Colour at maturity	Red
B. Distinct Characteristics: FN 9018 has distinguishing character as Leaflet: Serration: Less serrated , Fruit: Green shoulder (before maturity): Absent .	
C. Reference variety: Azad T-2 has distinguishing character as Leaflet: Serration: Absent (potato type) , Fruit: Green shoulder (before maturity): Present . JT-3 has distinguishing character as Leaflet: Serration: Absent (potato type)	
D. Date of commercialization of the variety	hybrid SOUMYA sold 20/10/2006

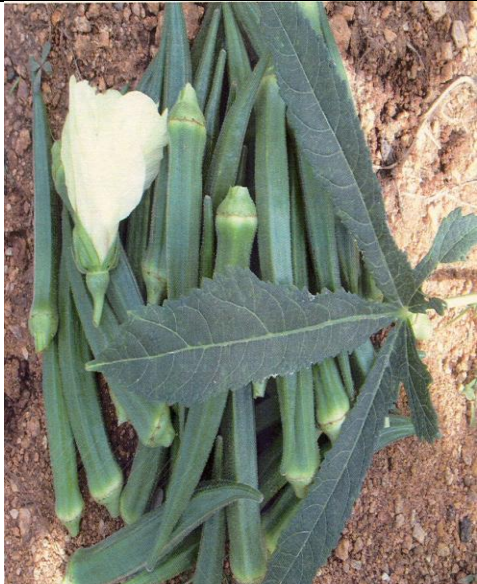



E. Agronomic and commercial attributes	Plant Habit: Semi Determinate, First picking: 65-70 days after transplanting, Fruit shape: Flat, Fruit colour: Red, Fruit Firmness: Medium, Average wt.: 85-90 gm, Yield (Q/Hac.): 400-450 USP: <ol style="list-style-type: none">1. Tolerant to ToLCV.2. High bearing and high yielding.3. Suitable for long distance transport.
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Photographs: (See Figure-14)

**Photographs of candidate varieties notified in Plant Variety Journal of India,
Vol.-10, No.-05, May 09, 2016**

<p>Tetraploid cotton / KCH-172 BG II</p>	<p>Tomato / MHTM 401</p>
	
<p>Figure-1: Stigma position-Exerted</p>	<p>Figure-2: Fruit: Shape in longitudinal Section- Obovoid</p>
<p>Tomato / MHTM 301</p>	<p>Okra / SLFH-7777</p>
	
<p>Figure-3: Fruit: Ribbing at peduncle end- Weak</p>	<p>Figure-4: Fruit: Colour-Green</p>

<p>Okra /OK-184</p>	<p>Pearl Mille / PM 80105R</p>
	
<p>Figure-5: Leaf blade: Depth of Lobing- Deep</p>	<p>Figure-6: Spike Length: Medium</p>
<p>Tetraploid cotton /BIO 6025412</p>	<p>Tetraploid cotton/ PC-P581</p>
	
<p>Figure-7: Bull shape (longitudinal section) Ovate</p>	<p>Figure-8: general view of plant</p>
<p>Okra / OK-169</p>	<p>Okra/ NOKH-1001</p>
	
<p>Figure-9 Fruit: Length of physiologically mature fruit: Medium</p>	<p>Figure-10 Leaf blade: Depth of Lobing-Deep</p>

<p>Okra/ NOKH-1004</p>	<p>Okra/ OK-372</p>
	
<p>Figure-11 Fruit: Colour- Green</p>	<p>Figure-12 STEM: Number of nodes at first flowering: few</p>
<p>Diplod cotton/ SV-22</p>	<p>Tomato/FN-9018</p>
	
<p>Figure-13: Flower: Petal colour-White</p>	<p>Figure-14 Fruit: Green shoulder(before maturity):absent</p>