

भारतीय पौधा किस्म जर्नल

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**PLANT VARIETY JOURNAL OF INDIA**

खण्ड 10, अंक 10, अक्टूबर 04, 2016  
Vol. 10, No. 10, October 04, 2016



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

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

भारतीय पौधा किस्म जरनल, खण्ड 10, अंक 10  
अक्तूबर 04, 2016/ आशिवन-शुक्ल 03, शक् 1938

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**Plant Variety Journal of India, Vol. 09, No. 10**  
**October 04, 2016 / Aashwin -shukla 03, Saka 1938**



पौधा किस्म और कृषक अधिकार संरक्षण प्राधिकरण  
एनएससी काम्प्लैक्स, डीपीएस मार्ग, निकट टोडापुर गांव, नई दिल्ली – 110 012

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**PROTECTION OF PLANT VARIETIES & FARMERS' RIGHTS AUTHORITY**  
**NASC Complex, DPS Marg, Opp. Todapur Village, New Delhi – 110 012**

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 अंतगत 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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3.	Passport data of 63 farmer's varieties published here for calling objections if any from the persons in this matter.	

S.No	Denomination	Ackn. No.	Crop
1	RANI KAJAR	Reg/2012/692	Rice
2	GADHA DHAN	Reg/2012/327	Rice
3	MUGEI	Reg/2012/157	Rice
4	KALAMDANI	Reg/2012/167	Rice
5	NUGEM (BARO)	Reg/2013/1303	Rice
6	JEERA DHAN DHAROHAR	Reg/2014/2368	Rice
7	GADAKHUTA DHAROHAR	Reg/2014/2363	Rice
8	PANDARI LUCHAI DHAROHAR	Reg/2014/2356	Rice
9	KHUTI DHAN DHAROHAR	Reg/2014/2367	Rice
10	KOSAWARI DHAROHAR	Reg/2014/2361	Rice
11	GOYANDI DHAROHAR	Reg/2014/2360	Rice
12	KURLU DHAN DHAROHAR	Reg/2014/2364	Rice
13	Kere Jeera Dhan	Reg/2015/1860	Rice
14	CHARKA DHAN	Reg/2012/317	Rice
15	Neta	Reg/2012/164	Rice
16	BHETLU	Reg/2012/662	Rice
17	KABI RAJ	Reg/2013/1301	Rice
18	LIKE-KAKUA	Reg/2013/1306	Rice
19	BASKAMINI	Reg/2013/1307	Rice
20	SUAKALMA	Reg/2013/1102	Rice
21	HARA KHUTA	Reg/2012/330	Rice
22	Langal Mura	Reg/2013/1095	Rice
23	GHEUSH	Reg/2013/1100	Rice
24	SINDURMUKHI	Reg/2013/1101	Rice
25	GOKUL SAL	Reg/2013/1323	Rice
26	NONA BOGRA	Reg/2013/1304	Rice
27	BOMBAL MUGI	Reg/2013/1310	Rice
28	DAHAR LAGRA	Reg/2013/1305	Rice
29	Danga-Patnai	Reg/2013/1299	Rice
30	Jamaynadu	Reg/2013/1098	Rice
31	NAGRASAL	Reg/2013/1308	Rice
32	DUDH KALAM	Reg/2013/1321	Rice
33	CHARKA DHUSRI	Reg/2012/326	Rice
34	BARAHA SAIL	Reg/2012/322	Rice
35	PANI DHAN	Reg/2012/321	Rice
36	Marich sal	Reg/2013/1099	Rice
37	CHINA KAMINI	Reg/2013/1319	Rice

38	DUDHERSWAR	Reg/2013/1315	Rice
39	CHOTODIDI	Reg/2013/1311	Rice
40	Nanhiya	Reg/2012/329	Rice
41	TAL MUGUR DHAN-1	Reg/2014/101	Rice
42	RUPSAL	Reg/2014/112	Rice
43	BHADOI	Reg/2014/104	Rice
44	KALO JIRA-81	Reg/2014/84	Rice
45	JALADHI	Reg/2014/71	Rice
46	JHULUR	Reg/2013/1320	Rice
47	BYAMA JHUPI	Reg/2013/1312	Rice
48	PATNAI-23	Reg/2013/1313	Rice
49	KASIPHUL	Reg/2013/1314	Rice
50	ASAN LAYA	Reg/2013/1322	Rice
51	DHARANSAL	Reg/2013/1097	Rice
52	VUTMURI	Reg/2013/1302	Rice
53	FULKHAR	Reg/2013/1103	Rice
54	JAL-DHEPA	Reg/2014/78	Rice
55	BAHURUPIA- RAN	Reg/2014/76	Rice
56	VALKI	Reg/2013/1300	Rice
57	KONDOGIRI	Reg/2012/663	Rice
58	BADI MUGADHI	Reg/2012/694	Rice
59	TEWA (CHOTA)	Reg/2012/316	Rice
60	GARIB SAIL	Reg/2012/162	Rice
61	Dhani Goda	Reg/2012/334	Rice
62	KHIJUR JHOPA	Reg/2012/695	Rice
63	CHINA BHALI	Reg/2012/696	Rice

4. DUS Test guideline of Deodar (*Cedrus deodara* (Roxb.) G. Don)
5. DUS Test guideline of Chir pine (*Pinus roxburghii*) Sargent.
6. DUS Test guideline of Mulberry (*Morus spp.*)
7. DUS Test guideline of Jasmine (*Jasminum multiflorum L.*)
8. Passport data of 03 Extant (VCK) Varieties published here for calling objections if any from the interested persons in the matter.

S. No.	Denomination	Ackn. No.	Crop
1.	G0898516	Reg/2008/314	Tetraploid Cotton
2.	MRC 6304 Bt	Reg/2008/255	Tetraploid Cotton
3.	KOMAL 2486,	Reg/2012/144	Okra

9. 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

S. No.	Denomination	Ackn. No.	Crop
1.	86M84 (MH1890)	Reg/2014/1150	Pearl Millet



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)

PART II—Section 3—Sub-section (ii)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 2371]

नई दिल्ली, शुक्रवार, सितम्बर 30, 2016/आश्विन 8, 1938

No. 2371]

NEW DELHI, FRIDAY, SEPTEMBER 30, 2016/ASVINA 8, 1938

कृषि और किसान कल्याण मंत्रालय  
(कृषि, सहकारिता और किसान कल्याण विभाग)

अधिसूचना

नई दिल्ली, 30 सितम्बर, 2016

**का.आ. 3094(अ).**—केन्द्रीय सरकार, पौधा किस्म और कृषक अधिकार संरक्षण अधिनियम 2001 (2001 का 53) की धारा 3 की उपधारा (1) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए का०आ० 1589(अ), तारीख 11 नवम्बर, 2005 द्वारा भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) में प्रकाशित भारत सरकार के कृषि और किसान कल्याण मंत्रालय (कृषि, सहकारिता और किसान कल्याण विभाग) की अधिसूचना में निम्नलिखित और संशोधन करती है, अर्थात्:—

2. उक्त अधिसूचना में मद संख्यांक (ix), (x), (xi), (xii), (xiii), (xiv) तथा (xv) और उससे संबन्धित प्रविष्टियों के स्थान पर क्रमशः निम्नलिखित मद संख्यांक और प्रविष्टियों के स्थान पर रखी जाएगी, अर्थात्:—

- |        |  |        |
|--------|--|--------|
| (ix)   | श्री बिहारीलाल शर्मा, कार्यकारी निदेशक, सतलु युवा विकास, बी-2 एम.सी. कार पार्किंग कम कामर्सियल काम्प्लेक्स निकट एच. पी. हिमाचल प्रदेश हाई कोर्ट, शिमला-171001                            | —सदस्य |
| (x)    | श्री अरुणा कुमारा वी के, निदेशक, कृषि प्रयोग परिवार, कृषि निवास, कुरुवल्ली, तीर्थहल्ली, शिमोगा जिला, कर्नाटक -577432   | —सदस्य |
| (xi)   | श्री एम प्रभाकर राव, अध्यक्ष और प्रबंध निदेशक, नुजिवीडु सीड्स प्राइवेट लिमिटेड, एन एस एल आईकोन, फोर्थ फ्लोर, ऑपोजिट आई० सी० आई० बैंक, रोड न० 12, बंजारा हिल्स, हैदराबाद, तेलंगाना-500034 | —सदस्य |
| (xii)  | कुलपति, डॉ० राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पूसा, समस्तीपुर -848125   | —सदस्य |
| (xiii) | डॉ० निककी कुमारी (हेम्ब्रोम), एम० आई० जी० 52, हनुमान नगर, कंकरबाग, पटना -800020  | —सदस्य |
| (xiv)  | प्रधान सचिव (कृषि), महाराष्ट्र   | —सदस्य |
| (xv)   | प्रधान सचिव (कृषि), मध्य प्रदेश  | —सदस्य |

3. पूर्वोक्त सदस्यों की पदावधि उनकी नियुक्ति की तारीख से तीन वर्ष की अवधि के लिए होगी।

[फा. सं. 2-3/2009-एस.डी. V]

राजेश कुमार सिंह, संयुक्त सचिव



**टिप्पणः—** मूल अधिसूचना सं० का० आ० 1589(अ), तारीख 11 नवम्बर, 2005 भारत के राजपत्र, असाधारण, भाग II खंड 3, उप-खंड (ii) में प्रकाशित किया गया था और तत्पश्चात् निम्नलिखित अधिसूचनाओं द्वारा पश्चातवर्ती संशोधन किया गया:—

1. का० आ० 1883(अ), तारीख 1 नवम्बर, 2006.
2. का० आ० 1316(अ), तारीख 11 मई, 2009.
3. का० आ० 3064(अ), तारीख 30 नवम्बर 2009.
4. का० आ० 195(अ), तारीख 31 जनवरी, 2011
5. का० आ० 1726(अ), तारीख 31 जुलाई, 2012.
6. का० आ० 1126(अ), तारीख 10 जून, 2013.

**MINISTRY OF AGRICULTURE AND FARMERS WELFARE**

**(Department of Agriculture, Cooperation and Farmers Welfare)**

**NOTIFICATION**

New Delhi, the 30th September, 2016

**S.O. 3094(E).**—In exercise of the powers conferred by Sub-section (1) of Section 3 of the Protection of Plant Varieties and Farmers Rights Act, 2001 (53 of 2001), the Central Government hereby makes the following further amendment, in the notification of the Government of India in the Ministry of Agriculture and Farmers Welfare (Department of Agriculture, Cooperation and Farmers Welfare) published in the Gazette of India, Extraordinary, Part II, Section 3 Sub-section (ii), vide S.O. 1589 (E), dated 11<sup>th</sup> November, 2005, namely:—

2. In the said notification, for item numbers (ix), (x), (xi), (xii), (xiii), (xiv) and (xv) and the entries relating thereto, following item numbers and entries shall respectively be substituted, namely:-

- |  |            |
|--|------------|
| “(ix) Shri Bihari Lal Sharma, Executive Director, Youth for Sustainable Development, B-2 M.C. Car Parking-cum-Commercial Complex near H.P. High Court, Shimla- 171001.                                 | - Member   |
| (x) Shri Aruna Kumara VK, Director, Krishi Prayoga Pariwara, Krishi Nivas, Kuruvalli, Thirthahalli, Shimoga District, Karnataka – 577432.  | - Member   |
| (xi) Shri M Prabhakar Rao, Chairman and Managing Director, Nuziveedu Seeds Private Limited, NSL Icon, 4 <sup>th</sup> floor, Opp. ICICI Bank, Road No. 12, Banjara Hills, Hyderabad, Telangana-500034. | - Member   |
| (xii) The Vice Chancellor, Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur-848125.   | - Member   |
| (xiii) Dr. Nikki Kumari (Hembrom), MIG 52, Hanuman Nagar, Kankarbagh, Patna -800020.   | - Member   |
| (xiv) Principal Secretary (Agriculture), Maharashtra   | - Member   |
| (xv) Principal Secretary (Agriculture), Madhya Pradesh   | - Member”. |

2. The terms of office of the aforesaid Members shall be for a period of three years from the date of their appointment.

[F.No. 2-3/2009-SD.V]

RAJESH KUMAR SINGH, Jt. Secy.

**Note:-** The principal notification number S.O. 1589(E), dated the 11<sup>th</sup> November, 2005 was published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (ii) and subsequently amended vide following notifications:-

- (1) S.O. 1883 (E), dated the 1<sup>st</sup> November, 2006
- (2) S.O. 1316(E), dated the 11<sup>th</sup> May, 2009
- (3) S.O. 3064(E), dated the 30<sup>th</sup> November, 2009
- (4) S.O. 195(E), the 31<sup>st</sup> January, 2011
- (5) S.O. 1726(E), dated the 31<sup>st</sup> July, 2012
- (6) S.O. 1126 dated the 10<sup>th</sup> June, 2013.



Seed sent to DUS Test Center for DUS Testing during the month of September,2016

Sl. No.	Reg. No.	Denomination	Category	DUS Canters	Date of sending	Crop
1	Reg/2015/1232	DESHI DHANE	FV	NRCSS Ajmar & DMAPR Gujarat	27-Sep-16	Coriander
2	Reg/2015/1255	DESHI	FV	NRCSS Ajmar & DMAPR Gujarat	27-Sep-16	Coriander
3	Reg/2015/1761	DESI DHANIYA CHOTHI	FV	NRCSS Ajmar & DMAPR Gujarat	27-Sep-16	Coriander

## **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 & FRA" payable at New Delhi.

\*Farmer(s) are exempted from payment of any fee in proceeding under Section 44 of PPV&FRAct,2001.

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

01. Application No. 

F272	OS305	12	692
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 filed on 31/12/2012 by Amar Singh, Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination RANI KAJAR, 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** : RANI KAJAR

**Applicant** : Amar Singh

**Address of the Applicant** : Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F272	OS305	12	692
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b. Date of receipt : 31/12/2012

c. Date of acceptance : 31/12/2012

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

**Denomination** : RANI KAJAR

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : RANI KAJAR

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : **Annada**

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Purple lines
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
RANI KAJAR has distinguishing characters as Spikelet: Colour of stigma: Purple	
<b>C. Reference varieties:</b>	
Annada has distinguishing characters as Spikelet: Colour of stigma: White	
<b>D. Date of commercialization of the variety</b>	----

02. Application No. 

F39	OS67	12	327
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 filed on 18/07/2012 by Kalinath Munda, Village Manatu, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination GADHA 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** : GADHA DHAN

**Applicant** : Kalinath Munda

**Address of the Applicant** : Village Manatu, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

F39	OS67	12	327
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a. Number :  
b. Date of receipt : 18/07/2012  
c. Date of acceptance : 18/07/2012

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

**Denomination** : GADHA DHAN

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : GADHA DHAN

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Mahamaya

**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)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
GADHA DHAN has distinguishing characters as Lemma: Anthocyanin colouration of apex: Very strong; Sterile lemma: Colour: Purple	
<b>C. Reference varieties:</b>	
Mahamaya has distinguishing characters as Lemma: Anthocyanin colouration of apex: Strong; Sterile lemma: Colour: Straw	
<b>D. Date of commercialization of the variety</b>	----



03 Application No. 

F2	OS19	12	157
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 filed on 22/05/2012 by Harish Ch. Das, At Nuagaon, Block Remuna, District Balasore, Odisha, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination MUGEI, 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** : MUGEI

**Applicant** : Harish Ch. Das

**Address of the Applicant** : At Nuagaon, Block Remuna, District Balasore, Odisha

**Nationality of Applicant** : Indian

**Application details**

F2	OS19	12	157
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a. Number :  
b. Date of receipt : 22/05/2012  
c. Date of acceptance : 22/05/2012

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

**Denomination** : MUGEI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : MUGEI

**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	Purple lines
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
MUGEI has distinguishing characters as Basal leaf: Sheath colour: Purple lines; Spikelet: Colour of tip of lemma: White	

<b>C. Reference varieties:</b>
Mandya Vijaya has distinguishing characters as Basal leaf: Sheath colour: Green; Spikelet: Colour of tip of lemma: Brown

<b>D. Date of commercialization of the variety</b>	----
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04. Application No. 

F12	OS23	12	167
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 filed on 24/05/2012 by Chamarlal Ganjhu, Village Bartuwa, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand,

**India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KALAMDANI, 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** : KALAMDANI

**Applicant** : Chamarlal Ganjhu

**Address of the Applicant** : Village Bartuwa, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F12	OS23	12	167
b. Date of receipt	:	24/05/2012			
c. Date of acceptance	:	24/05/2012			

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

**Denomination** : KALAMDANI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : KALAMDANI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Krishna Hamsa

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
KALAMDANI has distinguishing characters as Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b> Krishna Hamsa has distinguishing characters as Panicle: Exertion: Well exerted
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<b>D. Date of commercialization of the variety</b>	----
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05. Application No. 

F498	OS556	13	1303
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanana, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination NUGEM (BARO), 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** : NUGEM (BARO)

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F498	OS556	13	1303
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			

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

**Denomination** : NUGEM (BARO)

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : NUGEM (BARO)

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : PTB 38

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
NUGEM (BARO) has distinguishing characters as Leaf: Auricles: Present	

<b>C. Reference varieties:</b>
PTB 38 has distinguishing characters as Leaf: Auricles: Absent

<b>D. Date of commercialization of the variety</b>	----
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06. Application No. 

F1247	OS1341	14	2368
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 filed on 21/11/2014 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 **JEERA DHAN DHAROHAR**, 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** : JEERA DHAN DHAROHAR

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F1247	OS1341	14	2368
b. Date of receipt	:	21/11/2014			
c. Date of acceptance	:	21/11/2014			

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

**Denomination** : JEERA DHAN DHAROHAR

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : JEERA DHAN DHAROHAR

**Denomination** :

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : PTB 5 and SAVITRI

**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)	Very Late
Stem: Length (excluding panicle; excluding floating rice)	Long
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Variegated brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
JEERA DHAN DHAROHAR has distinguishing characters as Leaf: Colour of ligule: Light purple; Spikelet: Colour of stigma: Purple	

<b>C. Reference varieties:</b>
PTB 5 has distinguishing characters as Leaf: Colour of ligule: White
SAVITRI has distinguishing characters as Leaf: Colour of ligule: White; Spikelet: Colour of stigma: White

<b>D. Date of commercialization of the variety</b>	----
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07. Application No. 

F1242	OS1336	14	2363
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 filed on 21/11/2014 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 **GADAKHUTA DHAROHAR**, 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** : **GADAKHUTA DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F1242	OS1336	14	2363
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b. Date of receipt : 21/11/2014

c. Date of acceptance : 21/11/2014

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

**Denomination** : **GADAKHUTA DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : **GADAKHUTA DHAROHAR**

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : JAYA and NAVEEN

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
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	Long
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Variegated brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
GADAKHUTA DHAROHAR has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Purple; Leaf: Colour of ligule: Purple; Spikelet: Colour of stigma: Purple	

<b>C. Reference varieties:</b>
JAYA has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colorless; Leaf: Colour of ligule: White; Spikelet: Colour of stigma: White
NAVEEN has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colorless; Leaf: Colour of ligule: White; Spikelet: Colour of stigma: White

<b>D. Date of commercialization of the variety</b>	----
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08. Application No. 

F1239	OS1333	14	2356
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 filed on 20/11/2014 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 **PANDARI LUCHAI DHAROHAR**, 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** : **PANDARI LUCHAI DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details**

F1239	OS1333	14	2356
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a. Number :  
b. Date of receipt : 20/11/2014  
c. Date of acceptance : 20/11/2014

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

**Denomination** : **PANDARI LUCHAI DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : **PANDARI LUCHAI DHAROHAR**

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : JAYA and IR 64

**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)	Medium
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
PANDARI LUCHAI DHAROHAR has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Medium	
<b>C. Reference varieties:</b>	
JAYA has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Very short	
IR 64 has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Very short	
<b>D. Date of commercialization of the variety</b>	----

09. Application No. 

F1246	OS1340	14	2367
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 filed on 21/11/2014 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 **KHUTI DHAN DHAROHAR**, 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** : **KHUTI DHAN DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F1246	OS1340	14	2367
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b. Date of receipt : 21/11/2014

c. Date of acceptance : 21/11/2014

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

**Denomination** : **KHUTI DHAN DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : **KHUTI DHAN DHAROHAR**

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : PTB 37 and NDR 359

**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)	Very long
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
KHUTI DHAN DHAROHAR has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Very long; Spikelet: Colour of tip of lemma: Yellowish	

<b>C. Reference varieties:</b>
PTB 37 has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Short; Spikelet: Colour of tip of lemma: White
NDR 359 has distinguishing characters as Stem: Length (excluding panicle; excluding floating rice): Short; Spikelet: Colour of tip of lemma: White

<b>D. Date of commercialization of the variety</b>	----
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10. Application No. 

F1241	OS1335	14	2361
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 filed on 20/11/2014 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 **KOSAWARI DHAROHAR**, 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** : **KOSAWARI DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details**

F1241	OS1335	14	2361
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a. Number :  
b. Date of receipt : 20/11/2014  
c. Date of acceptance : 20/11/2014

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

**Denomination** : **KOSAWARI DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : **KOSAWARI DHAROHAR**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : ASD 16 and Ajaya

**Variety Description:**

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

**B. Distinct Characteristics:**

**KOSAWARI DHAROHAR** has distinguishing characters as Panicle: Curvature of main axis: Deflexed

**C. Reference varieties:**

ASD 16 has distinguishing characters as Panicle: Curvature of main axis: Dropping  
Ajaya has distinguishing characters as Panicle: Curvature of main axis: Dropping

<b>D. Date of commercialization of the variety</b>	----
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11. Application No. 

F1240	OS1334	14	2360
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 filed on 20/11/2014 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 **GOYANDI DHAROHAR**, 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** : **GOYANDI DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details** : 

F1240	OS1334	14	2360
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a. Number :  
b. Date of receipt : 20/11/2014  
c. Date of acceptance : 20/11/2014

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

**Denomination** : **GOYANDI DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : **GOYANDI DHAROHAR**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : VL DHAN 81 and RP 2421

**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)	Medium
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Variegated brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
GOYANDI DHAROHAR has distinguishing characters as Panicle: Awns: Present	

<b>C. Reference varieties:</b>
VL DHAN 81 has distinguishing characters as Panicle: Awns: Absent
RP 2421 has distinguishing characters as Panicle: Awns: Absent

<b>D. Date of commercialization of the variety</b>	----
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12. Application No. 

F1243	OS1337	14	2364
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 filed on 21/11/2014 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 **KURLU DHAN DHAROHAR**, 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** : **KURLU DHAN DHAROHAR**

**Applicant** : Dharohar Samiti

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

**Nationality of Applicant** : Indian

**Application details** : 

F1243	OS1337	14	2364
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a. Number :  
b. Date of receipt : 21/11/2014  
c. Date of acceptance : 21/11/2014

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

**Denomination** : **KURLU DHAN DHAROHAR**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : **KURLU DHAN DHAROHAR**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : HEMAVATHI and JAYA

**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)	Very Late
Stem: Length (excluding panicle; excluding floating rice)	Very long
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
KURLU DHAN DHAROHAR has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Purple; Spikelet: Colour of stigma: Purple	
<b>C. Reference varieties:</b>	
HEMAVATHI has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colorless; Spikelet: Colour of stigma: White	
JAYA has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colorless; Spikelet: Colour of	

stigma: White

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

13. Application No. 

F769	OS827	15	1860
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 filed on 8/10/2015 by Dr Richariya Kisani Samwardhan Samiti, Village Kekrakholi, No.5, District Dhamtari, Chattisgarh 491001, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Kere Jeera 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** : Kere Jeera Dhan

**Applicant** : Dr Richariya Kisani Samwardhan Samiti

**Address of the Applicant** : Village Kekrakholi, No.5, District Dhamtari, Chattisgarh 491001

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	<table border="1"><tr><td>F769</td><td>OS827</td><td>15</td><td>1860</td></tr></table>	F769	OS827	15	1860
F769	OS827	15	1860			
b. Date of receipt	:	8/10/2015				
c. Date of acceptance	:	8/10/2015				

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

**Denomination** : Kere Jeera Dhan

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : Kere Jeera Dhan

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : T 23 and KASTURI

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Purple lines
Time of heading (50 % of plants with panicles)	Very Late
Stem: Length (excluding panicle; excluding floating rice)	Very long
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Low
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b> Kere Jeera Dhan has distinguishing characters as Sterile lemma: Colour: Purple	

**C. Reference varieties:**  
T 23 has distinguishing characters as Sterile lemma: Colour: Straw  
KASTURI has distinguishing characters as Sterile lemma: Colour: Straw

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

14. Application No. 

F29	OS57	12	317
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 filed on 08/07/2012 by Balakram Ganju, Village Melghousa, Post Sikidri, Block Angada, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination CHARKA 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** : CHARKA DHAN

**Applicant** : Balakram Ganju

**Address of the Applicant** : Village Melghousa, Post Sikidri, Block Angada, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

F29	OS57	12	317
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a. Number :  
b. Date of receipt : 08/07/2012  
c. Date of acceptance : 08/07/2012

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

**Denomination** : CHARKA DHAN

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : CHARKA DHAN

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Krishna Hamsa

**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)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
CHARKA DHAN has distinguishing characters as Flag leaf: Attitude of blade (early observation): Semi-erect	

<b>C. Reference varieties:</b> Krishna Hamsa has distinguishing characters as Flag leaf: Attitude of blade (early observation): Erect
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<b>D. Date of commercialization of the variety</b>	----
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15. Application No. 

F9	OS20	12	164
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 filed on 24/05/2012 by Chamarlal Ganjhu, Village Bartuwa, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination NETA, 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** : NETA

**Applicant** : Chamarlal Ganjhu

**Address of the Applicant** : Village Bartuwa, Post Chutupalu, Block Ormanjhi, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F9	OS20	12	164
b. Date of receipt	:	24/05/2012			
c. Date of acceptance	:	24/05/2012			

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

**Denomination** : NETA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : NETA

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Uniform purple
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent

**B. Distinct Characteristics:**  
NETA has distinguishing characters as Spikelet: Density of pubescence of lemma: Medium

**C. Reference varieties:**  
Salivahana has distinguishing characters as Spikelet: Density of pubescence of lemma: Strong

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

16. Application No. 

F246	OS277	12	662
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 filed on 13/12/2012 by Suleman Kujur, Village Kurmiya Mahto Toli, Post Kurmiya, Block Thethaitanger, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BHETLU, 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** : BHETLU

**Applicant** : Suleman Kujur

**Address of the Applicant** : Village Kurmiya Mahto Toli, Post Kurmiya, Block Thethaitanger, District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F246	OS277	12	662
b. Date of receipt	:	13/12/2012			
c. Date of acceptance	:	13/12/2012			

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

**Denomination** : BHETLU

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : BHETLU

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Karjat 3

**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)	Very 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>B. Distinct Characteristics:</b>	
BHETLU has distinguishing characters as Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b>
Karjat 3 has distinguishing characters as Panicle: Exertion: Partly exerted

<b>D. Date of commercialization of the variety</b>	----
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17. Application No. 

F496	OS554	13	1301
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkananda, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KABI RAJ, 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** : KABI RAJ

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	F496	OS554	13	1301
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b. Date of receipt : 19/12/2013

c. Date of acceptance : 19/12/2013

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

**Denomination** : KABI RAJ

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : KABI RAJ

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Dantheswari

**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)	Very Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
KABI RAJ has distinguishing characters as Panicle: Awns: Present	

<b>C. Reference varieties:</b>
Dantheswari has distinguishing characters as Panicle: Awns: Absent

<b>D. Date of commercialization of the variety</b>	----
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18. Application No. 

F501	OS559	13	1306
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination LIKE-KAKUA, 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** : LIKE-KAKUA

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F501	OS559	13	1306
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)			
<b>Denomination</b>	:	LIKE-KAKUA			
<b>Type of Variety</b>	:	Farmers' variety			
<b>Classification of Variety</b>	:	Typical Variety			
<b>Previously proposed Denomination</b>	:	LIKE-KAKUA			
<b>Name of Parental Material</b>	:	Own Material			
<b>Name of Reference Varieties</b>	:	Manoharsali			

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Dark brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
LIKE-KAKUA has distinguishing characters as Panicle: Awns: Present	

<b>C. Reference varieties:</b>
Manoharsali has distinguishing characters as Panicle: Awns: Absent

<b>D. Date of commercialization of the variety</b>	----
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19. Application No. 

F502	OS560	13	1307
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BASKAMINI, 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** : BASKAMINI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F502	OS560	13	1307
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			



**Crop (Taxonomical Lineage)** : Rice (*Oryza sativa* L.)  
**Denomination** : BASKAMINI  
**Type of Variety** : Farmers' variety  
**Classification of Variety** : Typical Variety  
**Previously proposed** : BASKAMINI  
**Denomination**  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Krishna Hamsa

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long Slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
BASKAMINI has distinguishing characters as Decorticated grain: Aroma: Present	

**C. Reference varieties:**  
 Krishna Hamsa has distinguishing characters as Decorticated grain: Aroma: Absent

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

20 Application No. 

F318	OS361	13	1102
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 filed on 5/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination SUAKALMA, 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** : SUAKALMA

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F318	OS361	13	1102
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 b. Date of receipt : 5/12/2013  
 c. Date of acceptance : 5/12/2013

**Crop (Taxonomical Lineage)** : Rice (*Oryza sativa* L.)  
**Denomination** : SUAKALMA  
**Type of Variety** : Farmers' variety  
**Classification of Variety** : Typical Variety  
**Previously proposed** : SUAKALMA

**Denomination**  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Sonasali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long Slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
SUAKALMA Panicle: Curvature of main axis: Deflexed	

<b>C. Reference varieties:</b> Sonasali has distinguishing characters as Panicle: Curvature of main axis: Semi-straight
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<b>D. Date of commercialization of the variety</b>	----
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21. Application No. 

F42	OS70	12	330
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 filed on 18/07/2012 by Manilal Bediya, Village Bisa Dahuatoli (Baloura), Post Bisa, Block Angada, District Ranchi, Jharkhand, India for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination HARA KHUTA, 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** : HARA KHUTA

**Applicant** : Manilal Bediya

**Address of the Applicant** : Village Bisa Dahuatoli (Baloura), Post Bisa, Block Angada, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F42	OS70	12	330
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b. Date of receipt : 18/07/2012

c. Date of acceptance : 18/07/2012

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

**Denomination** : HARA KHUTA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : HARA KHUTA

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
HARA KHUTA has distinguishing characters as Spikelet: Colour of tip of lemma: White	

<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Spikelet: Colour of tip of lemma: Yellowish
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<b>D. Date of commercialization of the variety</b>	----
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22. Application No. 

F311	OS354	13	1095
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 filed on 5/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination Langal Mura, 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.**

<b>Passport data of the variety</b>	:	Langal Mura				
<b>Applicant</b>	:	Anjan Kumar Sinha				
<b>Address of the Applicant</b>	:	Village Ranbahal, Post Amarkanan, District Bankura, West Bengal				
<b>Nationality of Applicant</b>	:	Indian				
<b>Application details</b>		<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>F311</td><td>OS354</td><td>13</td><td>1095</td></tr></table>	F311	OS354	13	1095
F311	OS354	13	1095			
a. Number	:					
b. Date of receipt	:	5/12/2013				
c. Date of acceptance	:	5/12/2013				
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)				
<b>Denomination</b>	:	Langal Mura				
<b>Type of Variety</b>	:	Farmers' variety				
<b>Classification of Variety</b>	:	Typical Variety				
<b>Previously proposed Denomination</b>	:	Langal Mura				
<b>Name of Parental Material</b>	:	Own Material				
<b>Name of Reference Varieties</b>	:	Mahamaya				

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Uniform purple

Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Bold
Decorticated grain: Colour	Dark brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> Langal Mura has distinguishing characters as Stem: Anthocyanin colouration of nodes: Present; Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b> Mahamaya has distinguishing characters as Stem: Anthocyanin colouration of nodes: Absent; Panicle: Exertion: Well exerted
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<b>D. Date of commercialization of the variety</b>	----
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23. Application No. 

F316	OS359	13	1100
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 filed on 5/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination GHEUSH, 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** : GHEUSH

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F316	OS359	13	1100
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a. Number :  
b. Date of receipt : 5/12/2013  
c. Date of acceptance : 5/12/2013

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

**Denomination** : GHEUSH

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : GHEUSH

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Varalu

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Early
Stem: Length (excluding panicle; excluding floating	Very Short

rice)	
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
GHEUSH has distinguishing characters as Flag leaf: Attitude of blade (late observation): Horizontal	

<b>C. Reference varieties:</b>
Varalu has distinguishing characters as Flag leaf: Attitude of blade (late observation): Erect

<b>D. Date of commercialization of the variety</b>	----
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24. Application No. 

F317	OS360	13	1101
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 filed on 05/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination SINDURMUKHI, 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.**

<b>Passport data of the variety</b>	:	SINDURMUKHI				
<b>Applicant</b>	:	Anjan Kumar Sinha				
<b>Address of the Applicant</b>	:	Village Ranbahal, Post Amarkanan, District Bankura, West Bengal				
<b>Nationality of Applicant</b>	:	Indian				
<b>Application details</b>						
a. Number	:	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>F317</td><td>OS360</td><td>13</td><td>1101</td></tr></table>	F317	OS360	13	1101
F317	OS360	13	1101			
b. Date of receipt	:	05/12/2013				
c. Date of acceptance	:	05/12/2013				
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)				
<b>Denomination</b>	:	SINDURMUKHI				
<b>Type of Variety</b>	:	Farmers' variety				
<b>Classification of Variety</b>	:	Typical Variety				
<b>Previously proposed</b>	:	SINDURMUKHI				
<b>Denomination</b>						
<b>Name of Parental Material</b>	:	Own Material				
<b>Name of Reference Varieties</b>	:	Manoharsali				

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold

Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent

**B. Distinct Characteristics:**  
SINDURMUKHI has distinguishing characters as Lemma: Anthocyanin colouration of apex: Strong; Spikelet: Colour of stigma: Purple; Spikelet: Colour of tip of lemma: Purple

**C. Reference varieties:**  
Manoharsali has distinguishing characters as Lemma: Anthocyanin colouration of apex: Absent; Spikelet: Colour of stigma: White; Spikelet: Colour of tip of lemma: White

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

25. Application No. 

F518	OS576	13	1323
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination GOKUL SAL, 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** : GOKUL SAL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F518	OS576	13	1323
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : GOKUL SAL

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : GOKUL SAL

**Denomination** : GOKUL SAL

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**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)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High

Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> GOKUL SAL has distinguishing characters as Spikelet: Density of pubescence of lemma: Strong	
<b>C. Reference varieties:</b> Manoharsali has distinguishing characters as Spikelet: Density of pubescence of lemma: Medium	
<b>D. Date of commercialization of the variety</b>	----

26. Application No. 

F499	OS557	13	1304
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination NONA BOGRA, 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.**

<b>Passport data of the variety</b>	:	NONA BOGRA				
<b>Applicant</b>	:	Anjan Kumar Sinha				
<b>Address of the Applicant</b>	:	Village Ranbahal, Post Amarkanan, District Bankura, West Bengal				
<b>Nationality of Applicant</b>	:	Indian				
<b>Application details</b>		<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>F499</td><td>OS557</td><td>13</td><td>1304</td></tr></table>	F499	OS557	13	1304
F499	OS557	13	1304			
a. Number	:					
b. Date of receipt	:	19/12/2013				
c. Date of acceptance	:	19/12/2013				
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)				
<b>Denomination</b>	:	NONA BOGRA				
<b>Type of Variety</b>	:	Farmers' variety				
<b>Classification of Variety</b>	:	Typical Variety				
<b>Previously proposed Denomination</b>	:	NONA BOGRA				
<b>Name of Parental Material</b>	:	Own Material				
<b>Name of Reference Varieties</b>	:	Manoharsali				

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Light red
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b> NONA BOGRA has distinguishing characters as Flag leaf: Attitude of blade (early observation): Erect; Panicle: Attitude of branches: Semi-erect	

<b>C. Reference varieties:</b>
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Manoharsali has distinguishing characters as Flag leaf: Attitude of blade (early observation): Semi-erect; Panicle: Attitude of branches: Semi-erect to spreading

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

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27. Application No. 

F505	OS563	13	1310
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BOMBAL MUGI, 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** : BOMBAL MUGI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F505	OS563	13	1310
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : BOMBAL MUGI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : BOMBAL MUGI

**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	Light purple
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium Slender
Decorticated grain: Colour	Dark Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
BOMBAL MUGI has distinguishing characters as Basal leaf: Sheath colour: Light purple; Leaf: Anthocyanin colouration of auricles: Purple; Spikelet: Colour of stigma: Light purple; Stem: Anthocyanin colouration of nodes: Present; Decorticated grain: Colour: Dark brown	
<b>C. Reference varieties:</b>	
Mandya Vijaya has distinguishing characters as Basal leaf: Sheath colour: Green; Leaf: Anthocyanin colouration of auricles: Colorless; Spikelet: Colour of stigma: White; Stem: Anthocyanin colouration of nodes: Absent;	



Decorticated grain: Colour: White

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

28. Application No. 

F500	OS558	13	1305
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination DAHAR LAGRA, 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** : DAHAR LAGRA

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F500	OS558	13	1305
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			

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

**Denomination** : DAHAR LAGRA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : DAHAR LAGRA

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> DAHAR LAGRA has distinguishing characters as Spikelet: Colour of tip of lemma: White; Sterile lemma: Colour: Straw; Endosperm: Content of amylose: Medium	
<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Spikelet: Colour of tip of lemma: Yellowish; Sterile lemma: Colour: Gold; Endosperm: Content of amylose: High	

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

29. Application No. 

F494	OS552	13	1299
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination Danga-Patnai, 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** : Danga-Patnai

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F494	OS552	13	1299
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : Danga-Patnai

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : Danga-Patnai

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Annada

**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)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> Danga-Patnai has distinguishing characters as Spikelet: Colour of tip of lemma: Brown	
<b>C. Reference varieties:</b> Annada has distinguishing characters as Spikelet: Colour of tip of lemma: White	
<b>D. Date of commercialization of the variety</b>	----

30. Application No. 

F314	OS357	13	1098
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 filed on 05/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination Jamaynadu, 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** : Jamaynadu

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F314	OS357	13	1098
b. Date of receipt	:	05/12/2013			
c. Date of acceptance	:	05/12/2013			

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

**Denomination** : Jamaynadu

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : Jamaynadu

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Annada

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Light purple
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
Jamaynadu has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Light purple; Lemma: Anthocyanin colouration of apex: Strong; Spikelet: Colour of stigma: Purple; Spikelet: Colour of tip of lemma: Brown	

**C. Reference varieties:**  
Annada has distinguishing characters as Leaf: Anthocyanin colouration of auricles: Colorless; Lemma: Anthocyanin colouration of apex: Absent; Spikelet: Colour of stigma: White; Spikelet: Colour of tip of lemma: White

<b>D. Date of commercialization of the variety</b>	----
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31. Application No. 

F503	OS561	13	1308
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination NAGRASAL, 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** : NAGRASAL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

	<b>F503</b>	<b>OS561</b>	<b>13</b>	<b>1308</b>
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : NAGRASAL

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : NAGRASAL

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**Variety Description:**

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

<b>C. Reference varieties:</b> Manoharsali has distinguishing characters as Decorticated grain: Colour: White
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<b>D. Date of commercialization of the variety</b>	----
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32. Application No. 

<b>F516</b>	<b>OS574</b>	<b>13</b>	<b>1321</b>
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination DUDH KALAM, 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** : DUDH KALAM

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F516	OS574	13	1321
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			

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

**Denomination** : DUDH KALAM

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : DUDH KALAM

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Karjat 3

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
DUDH KALAM has distinguishing characters as Leaf: Pubescence of blade surface: Strong; Panicle: Curvature of main axis: Deflexed	

**C. Reference varieties:**  
Karjat 3 has distinguishing characters as Leaf: Pubescence of blade surface: Medium; Panicle: Curvature of main axis: Semi-straight

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

33. Application No. 

F38	OS66	12	326
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 filed on 18/07/2012 by Rampod Mahto, Village: Mahuatungri, Post: Baxdi, Block: Angada, Dist: Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination CHARKA DHUSRI, 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** : CHARKA DHUSRI

**Applicant** : Rampod Mahto

**Address of the Applicant** : Village: Mahuatungri, Post: Baxdi, Block: Angada, Dist: Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F38	OS66	12	326
b. Date of receipt	:	18/07/2012			
c. Date of acceptance	:	18/07/2012			

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

**Denomination** : CHARKA DHUSRI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : CHARKA DHUSRI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Karjat 3

**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)	Very 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>B. Distinct Characteristics:</b>	
CHARKA DHUSRI has distinguishing characters as Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b> Karjat 3 has distinguishing characters as Panicle: Exertion: Partly exerted
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<b>D. Date of commercialization of the variety</b>	----
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34. Application No. 

F34	OS62	12	322
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 filed on 18/07/2012 by Ramdhani Ganju, Village Melghousa, Post Sikidri, Block Angada, District Ranchi, Jharkhand, India for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BARAHA SAIL, 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** : BARAHA SAIL

**Applicant** : Ramdhani Ganju

**Address of the Applicant** : Village Melghousa, Post Sikidri, Block Angada, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	<table border="1"><tr><td>F34</td><td>OS62</td><td>12</td><td>322</td></tr></table>	F34	OS62	12	322
F34	OS62	12	322			
b. Date of receipt	:	18/07/2012				
c. Date of acceptance	:	18/07/2012				
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)				
<b>Denomination</b>	:	BARAHA SAIL				
<b>Type of Variety</b>	:	Farmers' variety				
<b>Classification of Variety</b>	:	Typical Variety				
<b>Previously proposed Denomination</b>	:	BARAHA SAIL				
<b>Name of Parental Material</b>	:	Own Material				
<b>Name of Reference Varieties</b>	:	Annada				

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Uniform purple
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
BARAHA SAIL has distinguishing characters as Basal leaf: Sheath colour: Uniform purple; Leaf: Anthocyanin colouration of auricles: Purple; Spikelet: Colour of tip of lemma: Black	

<b>C. Reference varieties:</b>
Annada has distinguishing characters as Basal leaf: Sheath colour: Light purple; Leaf: Anthocyanin colouration of auricles: Colorless; Spikelet: Colour of tip of lemma: White

<b>D. Date of commercialization of the variety</b>	----
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35. Application No. 

F33	OS61	12	321
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 filed on 18/07/2012 by Budhna Oraon, Village Balora, Post Gatalsood, Block Angada, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination PANI 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.**

<b>Passport data of the variety</b>	:	PANI DHAN				
<b>Applicant</b>	:	Budhna Oraon				
<b>Address of the Applicant</b>	:	Village Balora, Post Gatalsood, Block Angada, District Ranchi, Jharkhand				
<b>Nationality of Applicant</b>	:	Indian				
<b>Application details</b>		<table border="1"><tr><td>F33</td><td>OS61</td><td>12</td><td>321</td></tr></table>	F33	OS61	12	321
F33	OS61	12	321			
a. Number	:					
b. Date of receipt	:	18/07/2012				

c. Date of acceptance : 18/07/2012  
**Crop (Taxonomical Lineage)** : Rice (*Oryza sativa* L.)  
**Denomination** : PANI DHAN  
**Type of Variety** : Farmers' variety  
**Classification of Variety** : Typical Variety  
**Previously proposed Denomination** : PANI DHAN  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Sonasali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	Light red
Endosperm: Content of amylose	Low
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
PANI DHAN has distinguishing characters as Decorticated grain: Colour: Light red	

**C. Reference varieties:**  
 Sonasali has distinguishing characters as Decorticated grain: Colour: White

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

36. Application No. 

F315	OS358	13	1099
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 filed on 05/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination MARICH SAL, 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** : MARICH SAL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F315	OS358	13	1099
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 b. Date of receipt : 05/12/2013  
 c. Date of acceptance : 05/12/2013

**Crop (Taxonomical Lineage)** : Rice (*Oryza sativa* L.)  
**Denomination** : MARICH SAL  
**Type of Variety** : Farmers' variety



**Classification of Variety** : Typical Variety  
**Previously proposed** : MARICH SAL  
**Denomination**  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Manoharsali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short Bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
DUDH KALAM has distinguishing characters as Flag leaf: Attitude of blade (late observation): Deflexed	

**C. Reference varieties:**  
 Manoharsali has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect

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

37. Application No. 

F514	OS572	13	1319
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination CHINA KAMINI, 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** : CHINA KAMINI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F514	OS572	13	1319
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 b. Date of receipt : 19/12/2013  
 c. Date of acceptance : 19/12/2013

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

**Denomination** : CHINA KAMINI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : CHINA KAMINI

**Denomination**

**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Sonasali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
CHINA KAMINI has distinguishing characters as Panicle: Curvature of main axis: Deflexed	

<b>C. Reference varieties:</b> Sonasali has distinguishing characters as Panicle: Curvature of main axis: Semi-straight
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<b>D. Date of commercialization of the variety</b>	----
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38. Application No. 

F510	OS568	13	1315
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 led on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination DUDHERSWAR, 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** : DUDHERSWAR

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

F510	OS568	13	1315
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a. Number :  
 b. Date of receipt : 19/12/2013  
 c. Date of acceptance : 19/12/2013

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

**Denomination** : DUDHERSWAR

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : DUDHERSWAR

**Denomination** :  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Manhar

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
DUDHERSWAR has distinguishing characters as Flag leaf: Attitude of blade (late observation): Semi-erect	

<b>C. Reference varieties:</b> Manhar has distinguishing characters as Flag leaf: Attitude of blade (late observation): Horizontal
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<b>D. Date of commercialization of the variety</b>	----
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39. Application No. 

F506	OS564	13	1311
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination CHOTODIDI, 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** : CHOTODIDI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

F506	OS564	13	1311
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : CHOTODIDI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : CHOTODIDI

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green

Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> CHOTODIDI has distinguishing characters as Spikelet: Density of pubescence of lemma: Strong	

<b>C. Reference varieties:</b> Manoharsali has distinguishing characters as Spikelet: Density of pubescence of lemma: Medium
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<b>D. Date of commercialization of the variety</b>	----
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40 Application No. 

F41	OS69	12	329
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 filed on 18/07/2012 by Jitu Oraon, Village Baredhi, Post Bedo, Block Bedo, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination **Nanhiya**, 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** : **Nanhiya**

**Applicant** : Jitu Oraon

**Address of the Applicant** : Village Baredhi, Post Bedo, Block Bedo, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

F41	OS69	12	329
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a. Number :  
b. Date of receipt : 18/07/2012  
c. Date of acceptance : 18/07/2012

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

**Denomination** : **Nanhiya**

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : **Nanhiya**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**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)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> Nanhiya has distinguishing characters as Panicle: Attitude of branches: Semi-erect	

<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Panicle: Attitude of branches: Semi-erect to spreading
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<b>D. Date of commercialization of the variety</b>	----
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41. Application No. 

F83	OS83	14	101
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 filed on 13/1/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination TAL MUGUR DHAN-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** : TAL MUGUR DHAN-1

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F83	OS83	14	101
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a. Number :  
b. Date of receipt : 13/1/2014  
c. Date of acceptance : 13/1/2014

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

**Denomination** : TAL MUGUR DHAN-1

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : TAL MUGUR DHAN-1

**Name of Parental Material** : Own Material

Name of Reference Varieties : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Dark brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> TAL MUGUR DHAN-1 has distinguishing characters as Leaf: Pubescence of blade surface: Very strong; Panicle: Attitude of branches: Semi-erect	

<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Leaf: Pubescence of blade surface: Medium; Panicle: Attitude of branches: Semi-erect to spreading
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<b>D. Date of commercialization of the variety</b>	----
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42. Application No. 

F94	OS94	14	112
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 filed on 13/1/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination RUPSAL, the specification includes its drawing and or photograph(s) of which are given below, has been accepted and given registration number -----NA -----on ----- NA -----  
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The convention application no. -----NA-----, in respect of the said variety has been filed on -----NA-----, in ---NA-----.

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

**Passport data of the variety** : RUPSAL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	<table border="1" style="display: inline-table;"><tr><td>F94</td><td>OS94</td><td>14</td><td>112</td></tr></table>	F94	OS94	14	112
F94	OS94	14	112			
b. Date of receipt	:	13/1/2014				
c. Date of acceptance	:	13/1/2014				
<b>Crop (Taxonomical Lineage)</b>	:	Rice ( <i>Oryza sativa</i> L.)				
<b>Denomination</b>	:	RUPSAL				
<b>Type of Variety</b>	:	Farmers' variety				
<b>Classification of Variety</b>	:	Typical Variety				
<b>Previously proposed</b>	:	RUPSAL				
<b>Denomination</b>	:					
<b>Name of Parental Material</b>	:	Own Material				
<b>Name of Reference Varieties</b>	:	Krishna Hamsa				

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
RUPSAL has distinguishing characters as Panicle: Attitude of branches: Erect to semi-erect; Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b>
Krishna Hamsa has distinguishing characters as Panicle: Attitude of branches: Semi-erect to spreading; Panicle: Exertion: Well exerted

<b>D. Date of commercialization of the variety</b>	----
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43. Application No. 

F86	OS86	14	104
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 filed on 13/1/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BHADOI, 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** : BHADOI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F86	OS86	14	104
b. Date of receipt	:	13/1/2014			
c. Date of acceptance	:	13/1/2014			

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

**Denomination** : BHADOI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : BHADOI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
BHADOI has distinguishing characters as Panicle: Length of main axis: Short	

<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Panicle: Length of main axis: Medium
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<b>D. Date of commercialization of the variety</b>	----
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44. Application No. 

F66	OS66	14	84
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 filed on 9/1/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KALO JIRA-81, 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** : KALO JIRA-81

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F66	OS66	14	84
b. Date of receipt	:	9/1/2014			
c. Date of acceptance	:	9/1/2014			

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

**Denomination** : KALO JIRA-81

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : KALO JIRA-81

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Suraksha

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Light purple
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b>	
KALO JIRA-81 has distinguishing characters as Lemma: Anthocyanin colouration of apex: Very strong; Flag leaf: Attitude of blade (late observation): Horizontal; Spikelet: Colour of tip of lemma: Purple ; Decorticated grain: Aroma: Present	

<b>C. Reference varieties:</b>
Suraksha has distinguishing characters as Lemma: Anthocyanin colouration of apex: Absent; Flag leaf: Attitude of blade (late observation): Erect; Spikelet: Colour of tip of lemma: Yellowish ; Decorticated grain: Aroma: Absent

<b>D. Date of commercialization of the variety</b>	----
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45. Application No. 

F53	OS53	14	71
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 filed on 9/1/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination JALADHI, 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** : JALADHI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>F53</td><td>OS53</td><td>14</td><td>71</td></tr></table>	F53	OS53	14	71
F53	OS53	14	71			
b. Date of receipt	:	9/1/2014				
c. Date of acceptance	:	9/1/2014				

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

**Denomination** : JALADHI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : JALADHI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Bhalum 1

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Variegated brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent

**B. Distinct Characteristics:**

JALADHI has distinguishing characters as Flag leaf: Attitude of blade (early observation): Erect

**C. Reference varieties:**

Bhalum 1 has distinguishing characters as Flag leaf: Attitude of blade (early observation): Semi-erect

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

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46. Application No. 

F515	OS573	13	1320
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination JHULUR, 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** : JHULUR

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F515	OS573	13	1320
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b. Date of receipt : 19/12/2013

c. Date of acceptance : 19/12/2013

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

**Denomination** : JHULUR

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : JHULUR

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Sonasali

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
JHULUR has distinguishing characters as Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b>
Sonasali has distinguishing characters as Panicle: Exertion: Partly exerted

<b>D. Date of commercialization of the variety</b>	----
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47. Application No. 

F507	OS565	13	1312
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination Byama Jhupi, 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** : Byama Jhupi

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F507	OS565	13	1312
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : Byama Jhupi

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : Byama Jhupi  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : PTB 38

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Dark purple
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
Byama Jhupi has distinguishing characters as Decorticated grain: Colour: Dark purple	

<b>C. Reference varieties:</b> PTB 38 has distinguishing characters as Decorticated grain: Colour: Light brown
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<b>D. Date of commercialization of the variety</b>	----
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48. Application No. 

F508	OS566	13	1313
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination PATNAI-23, 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** : PATNAI-23  
**Applicant** : Anjan Kumar Sinha  
**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F507	OS565	13	1312
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b. Date of receipt : 19/12/2013

c. Date of acceptance : 19/12/2013

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

**Denomination** : PATNAI-23

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : PATNAI-23

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Krishna Hamsa

**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)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
PATNAI-23 has distinguishing characters as Panicle: Attitude of branches: Erect to semi-erect	

<b>C. Reference varieties:</b> Krishna Hamsa has distinguishing characters as Panicle: Attitude of branches: Semi-erect to spreading
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<b>D. Date of commercialization of the variety</b>	----
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49.Application No. 

F509	OS567	13	1314
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KASIPHUL, 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** : KASIPHUL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F509	OS567	13	1314
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			

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

**Denomination** : KASIPHUL

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : KASIPHUL

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Karjat 3

**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)	Very 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>B. Distinct Characteristics:</b>	
KASIPHUL has distinguishing characters as Panicle: Curvature of main axis:Deflexed; Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b>
Karjat 3 has distinguishing characters as Panicle: Curvature of main axis:Semi-straight; Panicle: Exertion: Partly exerted

<b>D. Date of commercialization of the variety</b>	----
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50.Application No. 

F517	OS575	13	1322
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination ASAN LAYA, 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** : ASAN LAYA

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura,  
West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F517	OS575	13	1322
b. Date of receipt	:	19/12/2013			
c. Date of acceptance	:	19/12/2013			

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

**Denomination** : ASAN LAYA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : ASAN LAYA

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Light purple
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
ASAN LAYA has distinguishing characters as Spikelet: Colour of stigma: Light purple	

<b>C. Reference varieties:</b>
Salivahana has distinguishing characters as Spikelet: Colour of stigma: White



<b>D. Date of commercialization of the variety</b>	----
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51. Application No. 

F313	OS356	13	1097
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 filed on 5/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination DHARANSAL, 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** : DHARANSAL

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F313	OS356	13	1097
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a. Number :  
b. Date of receipt : 5/12/2013  
c. Date of acceptance : 5/12/2013

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

**Denomination** : DHARANSAL

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : DHARANSAL

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	White

Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b> DHARANSAL has distinguishing characters as Leaf: Auricles: Present	

<b>C. Reference varieties:</b> PTB 38 has distinguishing characters as Leaf: Auricles: Absent
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<b>D. Date of commercialization of the variety</b>	----
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52. Application No. 

F497	OS555	13	1302
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination VUTMURI, 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** : VUTMURI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details** : 

F497	OS555	13	1302
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a. Number :  
b. Date of receipt : 19/12/2013  
c. Date of acceptance : 19/12/2013

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

**Denomination** : VUTMURI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : VUTMURI

**Denomination** :  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Krishna Hamsa

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
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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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
VUTMURI has distinguishing characters as Panicle: Exertion: Mostly exerted	

<b>C. Reference varieties:</b>
Krishna Hamsa has distinguishing characters as Panicle: Exertion: Well exerted

<b>D. Date of commercialization of the variety</b>	----
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53. Application No. 

F319	OS 362	13	filed on	1103n
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 5/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination FULKHAR, 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** : FULKHAR

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

F319	OS 362	13	1103
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a. Number :  
b. Date of receipt : 5/12/2013  
c. Date of acceptance : 5/12/2013

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

**Denomination** : FULKHAR

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : FULKHAR  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Bhalum 1

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Present
<b>B. Distinct Characteristics:</b> FULKHAR has distinguishing characters as Spikelet: Density of pubescence of lemma: Strong; Endosperm: Content of amylose: High	

<b>C. Reference varieties:</b> Bhalum 1 has distinguishing characters as Spikelet: Density of pubescence of lemma: Absent; Endosperm: Content of amylose: Medium
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<b>D. Date of commercialization of the variety</b>	----
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54. Application No. 

F60	OS 60	14	78
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 filed on 9/01/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination JAL-DHEPA, 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** : JAL-DHEPA  
**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F60	OS 60	14	78
b. Date of receipt	:	9/01/2014			
c. Date of acceptance	:	9/01/2014			

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

**Denomination** : JAL-DHEPA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : JAL-DHEPA

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
JAL-DHEPA has distinguishing characters as Spikelet: Colour of stigma: Light purple	

<b>C. Reference varieties:</b>
Salivahana has distinguishing characters as Spikelet: Colour of stigma: White

<b>D. Date of commercialization of the variety</b>	
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55. Application No. 

F58	OS 58	14	76
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 filed on 9/01/2014 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BAHURUPIA- RAN, 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** : BAHURUPIA- RAN

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F58	OS 58	14	76
b. Date of receipt	:	9/01/2014			
c. Date of acceptance	:	9/01/2014			

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

**Denomination** : BAHURUPIA- RAN

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : BAHURUPIA- RAN

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	High
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
BAHURUPIA- RAN has distinguishing characters as Leaf: Pubescence of blade surface: Weak	

<b>C. Reference varieties:</b> Manoharsali has distinguishing characters as Leaf: Pubescence of blade surface: Medium
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<b>D. Date of commercialization of the variety</b>	
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56. Application No. 

F 495	OS 553	13	1300
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 filed on 19/12/2013 by Anjan Kumar Sinha, Village Ranbahal, Post Amarkanan, District Bankura, West Bengal, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination VALKI, 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** : VALKI

**Applicant** : Anjan Kumar Sinha

**Address of the Applicant** : Village Ranbahal, Post Amarkanan, District Bankura, West Bengal

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F495	OS 553	13	1300
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b. Date of receipt : 19/12/2013

c. Date of acceptance : 19/12/2013

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

**Denomination** : VALKI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : VALKI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsal

**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)	Very short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
VALKI has distinguishing characters as Lemma: Anthocyanin colouration of apex: Strong; Panicle: Attitude of branches: Semi-erect; Panicle: Exertion: Mostly exerted	

**C. Reference varieties:**

Manoharsal has distinguishing characters as Lemma: Anthocyanin colouration of apex: Absent; Panicle: Attitude of branches: Semi-erect to spreading; Panicle: Exertion: Well exerted

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

57. Application No. 

F 247	OS 278	12	663
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 filed on 13/12/2012 by Suleman Kujur, Village Kurmiya Mahto Toli, Post Kurmiya, Block Thethaitanger, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KONDOGIRI, 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** : KONDOGIRI

**Applicant** : Suleman Kujur

**Address of the Applicant** : Village Kurmiya Mahto Toli, Post Kurmiya, Block Thethaitanger, District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

F247	OS 278	12	663
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a. Number :  
 b. Date of receipt : 13/12/2012  
 c. Date of acceptance : 13/12/2012

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

**Denomination** : KONDOGIRI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : KONDOGIRI

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Krishna Hamsa

**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)	Very short
Decorticated grain: Length	Long
Decorticated grain: Shape (in lateral view)	Long slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> KONDOGIRI has distinguishing characters as Leaf: Pubescence of blade surface: Medium	

<b>C. Reference varieties:</b> Krishna Hamsa has distinguishing characters as Leaf: Pubescence of blade surface: Weak
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<b>D. Date of commercialization of the variety</b>	
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58. Application No. 

F 274	OS 307	12	694
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 filed on 31/12/2012 by Madhusudan Singh, Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination BADI MUGADHI, 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** : BADI MUGADHI

**Applicant** : Madhusudan Singh

**Address of the Applicant** : Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

F274	OS 307	12	694
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a. Number :  
b. Date of receipt : 31/12/2012  
c. Date of acceptance : 31/12/2012

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

**Denomination** : BADI MUGADHI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety  
**Previously proposed Denomination** : BADI MUGADHI  
**Name of Parental Material** : Own Material  
**Name of Reference Varieties** : Mahamaya

**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)	Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Long bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b> BADI MUGADHI has distinguishing characters as Spikelet: color of tip of lemma: Yellowish	

<b>C. Reference varieties:</b> Mahamaya has distinguishing characters as Spikelet: color of tip of lemma: Brown
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<b>D. Date of commercialization of the variety</b>	
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59.Application No. 

F 28	OS 56	12	316
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 filed on 18/7/2012 by Jagmojan Bediya, Village Dimra, Post Jhona, Block Angada, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination TEWA (CHOTA), 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** : TEWA (CHOTA)  
**Applicant** : Jagmojan Bediya  
**Address of the Applicant** : Village Dimra, Post Jhona, Block Angada, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F28	OS 56	12	316
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b. Date of receipt : 18/7/2012

c. Date of acceptance : 18/7/2012

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

**Denomination** : TEWA (CHOTA)

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : TEWA (CHOTA)

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**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)	Very Short
Decorticated grain: Length	Short
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
TEWA (CHOTA) has distinguishing characters as Panicle: Length of main axis: Medium	

**C. Reference varieties:**  
 Manoharsali has distinguishing characters as Panicle: Length of main axis: Long

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

60. Application No. 

F 7	OS 18	12	162
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 filed on 24/5/2012 by Kesto Eka, Village Dahua Bagan Toli, Post Jhona, Block Angada, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination GARIB SAIL 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** : GARIB SAIL

**Applicant** : Kesto Eka

**Address of the Applicant** : Village Dahua Bagan Toli, Post Jhona, Block Angada, District Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F7	OS 18	12	162
b. Date of receipt	:	24/5/2012			
c. Date of acceptance	:	24/5/2012			

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

**Denomination** : GARIB SAIL

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : GARIB SAIL

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Manoharsali

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Medium
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Light brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
GARIB SAIL has distinguishing characters as Panicle: Attitude of branches: Erect to semi-erect	

<b>C. Reference varieties:</b> Manoharsali has distinguishing characters as Panicle: Attitude of branches: Semi-erect to spreading
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<b>D. Date of commercialization of the variety</b>	
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61. Application No. 

F 46	OS 74	12	334
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 filed on 18/7/2012 by Ramsingh Ahier, Village Hahua, Post Jhona, Block Angada, District Ranchi, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination Dhani Goda 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** : Dhani Goda

**Applicant** : Ramsingh Ahier

**Address of the Applicant** : Village Hahua, Post Jhona, Block Angada, District  
Ranchi, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	F46	OS 74	12	334
b. Date of receipt	:	18/7/2012			
c. Date of acceptance	:	18/7/2012			

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

**Denomination** : Dhani Goda

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : Dhani Goda

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**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)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	Dark Brown
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
Dhani Goda has distinguishing characters as Spikelet: color of tip of lemma: White	

<b>C. Reference varieties:</b> Salivahana has distinguishing characters as Spikelet: color of tip of lemma: Yellowish
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<b>D. Date of commercialization of the variety</b>	
--	--

62.Application No. 

F 275	OS 308	12	695
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 filed on 31/12/2012 by Hernus Dungdung, Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination KHIJUR JHOPA 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** : KHIJUR JHOPA

**Applicant** : Hernus Dungdung,

**Address of the Applicant** : Village Kurumdegi Baniya Toli, Post Taraboga, Block Thethaitanger, District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number	:	<table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>F275</td><td>OS 308</td><td>12</td><td>695</td></tr></table>	F275	OS 308	12	695
F275	OS 308	12	695			
b. Date of receipt	:	31/12/2012				
c. Date of acceptance	:	31/12/2012				

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

**Denomination** : KHIJUR JHOPA

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed Denomination** : KHIJUR JHOPA

**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)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short
Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Medium slender
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	

KHIJUR JHOPA has distinguishing characters as Decorticated grain: Width: Medium

**C. Reference varieties:**

Mandya Vijaya has distinguishing characters as Decorticated grain: Width: Narrow

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

63. Application No. 

F 276	OS 309	12	696
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 filed on 31/12/2012 by Jagdish Singh, Village Kurumdegi, Post Taraboga, Block Thatitangar, District Simdega, Jharkhand, **India** for a **Farmers' variety** of crop **Rice** (*Oryza sativa* L.) having denomination CHINA BHALI 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** : CHINA BHALI

**Applicant** : Jagdish Singh

**Address of the Applicant** : Village Kurumdegi, Post Taraboga, Block Thatitangar,  
District Simdega, Jharkhand

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

F276	OS 309	12	696
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b. Date of receipt : 31/12/2012

c. Date of acceptance : 31/12/2012

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

**Denomination** : CHINA BHALI

**Type of Variety** : Farmers' variety

**Classification of Variety** : Typical Variety

**Previously proposed** : CHINA BHALI

**Denomination**

**Name of Parental Material** : Own Material

**Name of Reference Varieties** : Salivahana

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Basal leaf: Sheath colour	Green
Time of heading (50 % of plants with panicles)	Late
Stem: Length (excluding panicle; excluding floating rice)	Very Short

Decorticated grain: Length	Medium
Decorticated grain: Shape (in lateral view)	Short bold
Decorticated grain: Colour	White
Endosperm: Content of amylose	Medium
Decorticated grain: Aroma	Absent
<b>B. Distinct Characteristics:</b>	
CHINA BHALI has distinguishing characters as Decorticated grain: Colour: White	

<b>C. Reference varieties:</b>
Salivahana has distinguishing characters as Decorticated grain: Colour: Light Brown

<b>D. Date of commercialization of the variety</b>	
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## **PUBLIC NOTICE**

**Sub: Notice is given under Rule 29 (8 and 9) of the PPV & FR Rules, 2003.**

As a requirement under Rule 29 (8) and (9) of the PPV & FR Rules, 2003, it is hereby informed that the crop specific DUS test guideline namely: **Deodar** (*Cedrus deodara* (Roxb.) G.Don and **Chir pine** (*Pinus roxburghii*) Sargent., **Jasmine** (*Jasminum multiflorum* L.) and **Mulberry** (*Morus* spp.) is hereby published in 'Plant Variety Journal of India', Vol. 10, No. 10, October 04, 2016.

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

## **Deodar (*Cedrus deodara*) (Roxb.) G. Don**

### **I. Subject**

These test guidelines will apply to all populations/provenances of Deodar (*Cedrus deodara* (Roxb.) G. Don)

### **II. Planting Material required**

1. The Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA) shall decide on the quantity and quality of the plant material required for testing the population/provenance and when and where it is to be delivered for registration under the Protection of Plant Varieties and Farmers' Rights Act (PPV&FRA), 2001.
2. Applicants submitting such planting material from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations and regulations are complied with.
3. The planting material for DUS test should represent populations/provenances and/or individuals within populations/provenances with characteristic features.
4. The planting material should not have undergone any treatment, which would affect the expression of the characteristics of the population/provenance, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

### **III. Conduct of tests**

#### ***Duration of test***

As observations are to be recorded on fully grown trees showing reproductive stage the duration of test should be a minimum two independent fruiting cycles.

#### ***Conditions for Conducting the Examination***

The population/provenance and individuals possessing characteristics shall be identified by the applicant. If any essential characteristics of the population/provenance are not expressed for visual observation at the selected locations, the population/provenance shall be considered for further examination at another site.

#### ***On-site DUS testing***

The Expert Committee constituted by the PPV & FRA in consultation with the DUS Centre shall be authorized to inspect on-site testing and recording of the appropriate characters.

- The applicant or his/her nominee on his/her behalf shall submit a request to the Authority for conducting a reliable trial according to Test Guidelines and the instructions from Authority before on-site examination of the candidate population/provenance.

- The applicant or his/her nominee shall submit a request to the Authority for on-site examination prior to start of growing cycle as mentioned in Test Guidelines for site examination of the candidate population/provenance.
- On-site testing may be conducted at the places specified by the applicant. The test shall be conducted on fully grown mature trees.
- A minimum five trees should be available for inspection and examination for 'on site' DUS testing. The trees must be healthy and free from pest & disease.
- On-site examination shall be arranged during the fruiting season, when distinguishing characteristics of candidate population/provenance can most easily be seen. The characteristics of the candidate population/provenance can be examined and compared with those of the comparative population/provenance as per the Test guidelines.
- The Expert Committee constituted by the PPV & FRA in consultation with the DUS Centre shall be authorized to inspect on-site testing and recording of the appropriate characters. Applicant shall supply the Expert Committee with summary of distinct characteristics supported by photographs.
- The Expert Committee shall take notes and observations on distinctness and shall confirm preliminary data and/or summary of distinctness from applicant.
- The Expert Committee shall submit examination report to the Authority.

#### **IV. Methods and observations**

- a) The morphological characteristics described in the Table of characteristics shall be used for the DUS testing of populations/provenances (Section VII)
- b) The assessment of distinctiveness and stability of all observations shall be made on five plants or parts taken from each of five plants
- c) Observations on all growth characteristics shall be observed on fully grown mature trees
- d) Observations on all bark and stem shall be made at 1.37 meters from ground level
- e) All branch characters shall be observed in the middle position of crown
- f) Observations on all needle characters shall be made in mature needles
- g) Observations on cones shall be recorded before opening of the cones
- h) For the assessment of all colour characteristics, the Royal Horticultural Society (RHS) colour chart shall be used
- i) Observations on wood characteristics shall be recorded on fully grown mature trees.

#### **V. Grouping of Varieties**

The populations/provenances for DUS testing shall be divided into groups to facilitate the assessment of Distinctiveness. Characteristics which are known from experience not to vary or to vary only slightly, within a population/provenance and which in their various states are fairly evenly

distributed across all the populations/provenances in the collection are suitable for grouping purpose.

Grouping characteristics are those in which the documented states of expression, even when produced at different locations, can be used either individually or in combination with other such characteristics.

The following characteristics shall be used for grouping

1. Needle Attitude (characteristic 9)
2. Needle colour (Characteristic 10)
3. Branch attitude (Characteristic 7)
4. Crown shape (Characteristic 8)
5. Height with clear bole length (Characteristic 1 & 3)

## **VI. Characteristics and symbols**

1. To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of characteristics (Section VII) shall be used.
2. Notes (1 to 9) shall be given for each state of expression for different characteristics for the purpose of electronic data processing
3. Legend:
  - i. (\*) Characteristics that shall be observed during every growing season on all populations/provenances and shall always be included in the description of the population/provenance, except when the state of expression of any of these characters is rendered impossible by the environmental conditions of the testing region. Under such exceptional situations, adequate explanation shall be provided.
  - ii. (+) See Explanation on the Table of characteristics in Section VIII. It is to be noted that for certain characteristics, the plant parts on which observations to be taken are given in the explanation or figures for clarity and not for the colour variation.
4. Characteristics containing the following key in the first column of the Table of characteristics shall be examined as indicated below:

**QN:** Quantitative characteristics

**QL:** Qualitative characteristics

5. Type of assessment of characteristics indicated in column 6 of Table of characteristics 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 observation of individual plants or parts of plants

## VII. Table of characteristics

S.No	Characteristics	State	Notes	Population/provenance	Type of Assessment
1. (* (QN)	Tree height (m)	Small (< 20 ) Medium (20-30 ) Tall (>30 )	3 5 7	Labrang Rohanda Cheog/Sarain	MG/MS
2. (* (QN)	Diameter at breast height (cm)	Small (< 40) Medium (40-60 ) Large (>60)	3 5 7	Udaipur Kandyali Cheog/Chowai	MG/MS
3. (* (QN)	Clear bole length (m)	Short (< 10) Medium (10-15) Tall (15-20) Very Tall ( > 20)	3 5 7 9	Labrang Kufri Chopal Cheog/Sarain	MG/MS
4. (* (QN)	Self Pruning ability(m)	Low (up to10) Medium (10-20) High (>20)	3 5 7	Kalpa Nankhari/Chopal Cheog/Sarain	VG/MS
5. (* (QL)	Bark colour	Grey Dark Grey Greyish Brown Reddish Brown Brown	1 3 5 6 7	Rohanda Cheog/Sarain Chpal Kalpa/Labrang Labrang	VS
6. (+ (QL)	Bark pattern	Longitudinal shallow furrows (Moist zone) Longitudinal deep furrows (Drier zone) Longitudinal smooth cracks Smooth shallow cracks Smooth	1 3 5 6 7	Choeg/Sarain Labrang/Kalpa Rohanda Surkhigala Chajpur	VS
7. (+ (QL)	Branch : attitude	Horizontal Angular Drooping	3 5 7	Cheog/Sarain Nankhair Nihar	VS
8. (* (+ (QL)	Crown shape	Conical Flattened	3 7	Cheog/Chowai Shimla/Nihar	VG/VS
9 (* (+ (QL)	Needle: attitude	Erect Drooping	3 7	Nankhari/Cheog Chopal/Shimla	VG/VS
10. (* (QL)	Needle colour	Light Green Green Dark Green	1 3 5 7	Shimla/Chopal Cheog/Chowai Sarain/Cheog Kandyali	VG/VS

		Silvery Green Bluish Green	8	Labrang	
11. (+) (QN)	Chlorophyll content (mg/g)	Low (<1) Medium (1-1.5) High (>1.5)	3 5 7	Kalpa/Kandyali Labrang/Cheog Chichar	MS
12. (* (QN)	Cone length (cm)	Small (<7) Medium (7-9) Large (>9)	3 5 7	Labrang/Tharoch Chichar/Rohanda Kandyali/Kalpa	MS
13. (* (QN)	Cone width (cm)	Small (<6) Medium (6-7) Large (> 7)	3 5 7	Labrang/Tharoch Kandyali Chichar	MS
14 * (QN)	Cone length: breadth ratio	Small (<1.25) Medium (1.25-1.50) Large(>1.50)	3 5 7	Labrang Kandyali Chichar	MS
15. (QN)	No. of seeds per cone	<140 140-150 >150	3 5 7	Tharoch/Labrang Kandyali Cheog/Kufri	MS
16. (QN)	Bending: Maximum load	Low ( <100 kgf) Medium (100-200 kgf) High (>200 Kgf)	3 5 7	Labrang/Shimla Nankhari Choeg/Sarain	MS
17 (QN)	Strength	Low (<200 kgf) Medium (200-400 Kgf) High (>400 Kgf)	3 5 7	Rohanda/Shimla Choeg/Sarain Nichar/Chowai	MS

## VIII. Explanation for the Table of characteristics

### Characteristic 1: Tree height (m)



**Small (< 20)**  
(3)



**Medium (20-30)**  
(5)



**Tall (> 30)**  
(7)

### Characteristic 2: Diameter at Breast Height (cm)



**Small (< 40)**  
(1)



**Medium (40-60)**  
(5)



**Large (>60)**  
(7)



**Characteristic 3: Clear bole length (m)**



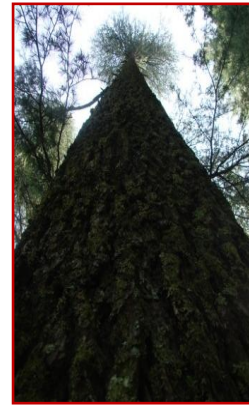
**Short (<10)**  
**(3)**



**Medium (10-15)**  
**(5)**



**Tall(15-20)**  
**(7)**



**Very Tall (>20)**  
**(9)**

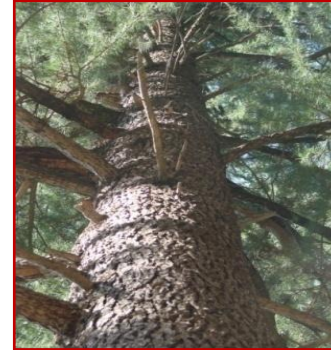
**Characteristic 4: Self Pruning ability**



**High (>20 m)**  
**(7)**



**Medium (10-20 m)**  
**(5)**



**Low (<10 m)**  
**(3)**

**Characteristic 5: Bark Colour**



**Grey**  
**(1)**



**Dark Grey**  
**(3)**



**Greyish Brown**  
**(5)**





**Reddish Brown  
(7)**



**Brown  
(9)**

**Characteristic 6: Bark Pattern**



**Longitudinal shallow furrows  
(Moist zone)  
(1)**



**Longitudinal deep furrows (Drier  
zone)  
(3)**



**Longitudinal smooth cracks  
(5)**



**Smooth shallow cracks  
(7)**



**Smooth  
(9)**

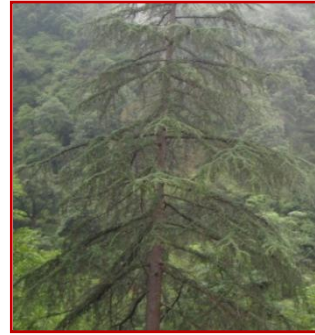
**Characteristics 7: Branch Attitude**



**Horizontal  
(3)**

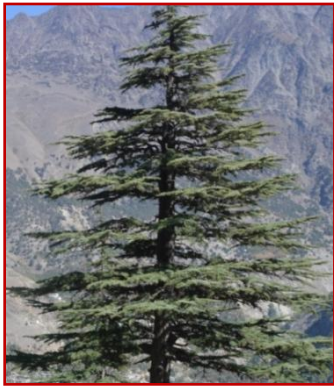


**Angular  
(5)**



**Drooping  
(7)**

**Characteristics 8: Crown Shape**



**Conical  
(3)**



**Flattened  
(7)**

**Characteristics 9: Needle Attitude**



**Erect  
(3)**



**Drooping  
(7)**

**Characteristics 10: Needle Colour**



**Light Green  
(1)**



**Green  
(3)**



**Dark Green  
(5)**



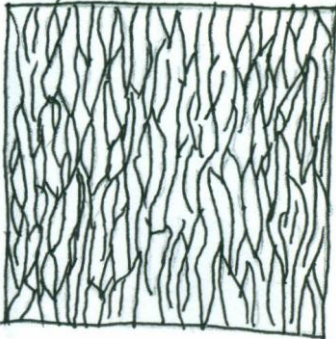
**Silvery Green  
(7)**



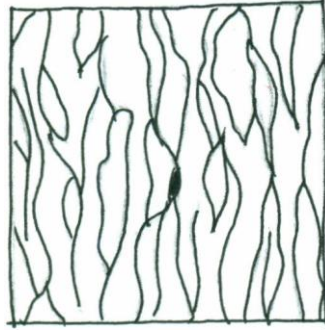
**Bluish Green  
(9)**



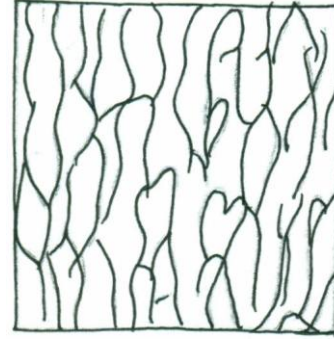
**VIII Explanation for the Table of Characteristics**  
**Characteristic 6: Bark Pattern**



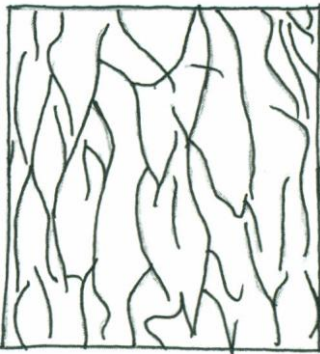
**Longitudinal shallow furrows  
(Moist zone)  
(1)**



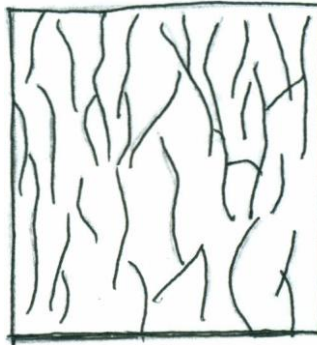
**Longitudinal deep furrows  
(Drier zone)  
(3)**



**Longitudinal smooth cracks  
(5)**

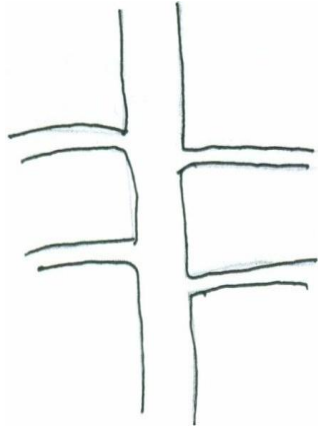


**Smooth shallow cracks  
(7)**



**Smooth  
(9)**

**Characteristic 7: Branch attitude**



**Horizontal  
(3)**

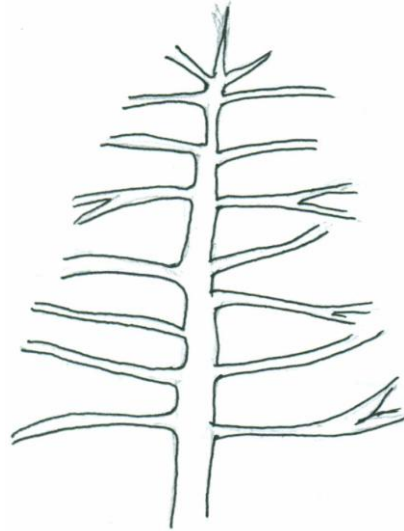


**Angular  
(5)**

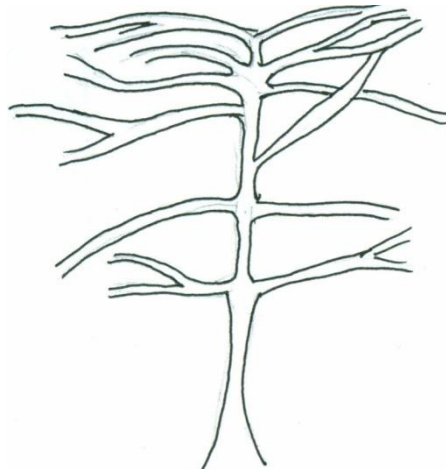


**Drooping  
(7)**

**Characteristic 8: Crown Shape**

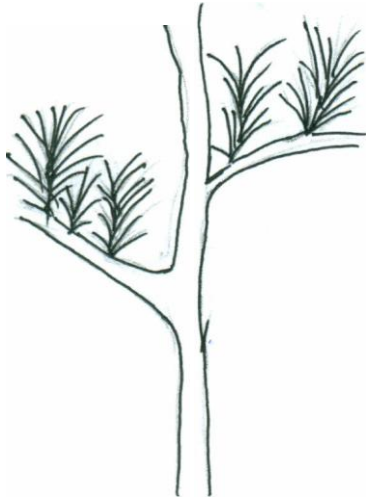


**(3)  
Conical**

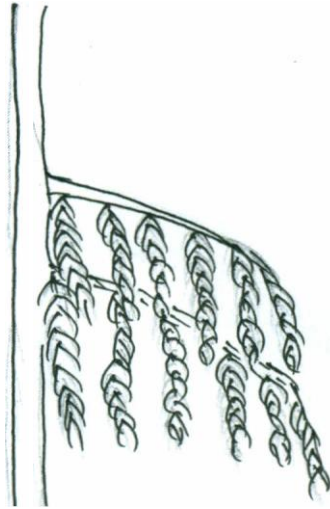


**(7)  
Flattened**

**Characteristic 9: Needle attitude**



(3)  
Erect



(7)  
Drooping

**Chlorophyll estimation:** Estimation of chlorophyll was done according to Arnon (1949) using 80 % Acetone at 645, 663 and 652 nm wavelength

**References:**

Arnon, D.I (1949). *Plant Physiol.* **24** 1

## IX. Working group details

The test guidelines developed by the task force (01/2013) constituted by the PPV & FR Authority for ***Cedrus deodara (Roxb.)*** with consultation by Himalayan Forestry Research Institute, ICFRE, Conifer Campus, Shimla Technical inputs also provided by the PPV & FR Authority and nodal officer.

### The members of the Task Force

**1. Dr. S. L. Madiwalar**

Former Prof. & Dean (Forestry), Sirsi  
Associate Director of Research  
University of Agriculture Science  
Dharwad- 580005, Karnataka

**Chairman**

**2. Dr. Rajesh Sharma**

Scientist-F & Project Investigator  
Himalayan Forest Research Institute  
ICFR&E, Conifer Campus  
Panthaghati, Shimla-171013, HP

**Member**

**3. Dr. Sandeep Sharma**

Scientist-F  
Himalayan Forest Research Institute  
ICFR&E, Conifer Campus  
Panthaghati, Shimla-171013, HP

**Member**

**4. Dr. Ravi Prakash**  
Registrar, PPV & FRA, New Delhi

**Member  
Secretary**

**X. DUS testing centers**

<b>Nodal DUS test centre</b>	<b>Co nodal DUS Test Center</b>
Himalayan Forest Research Institute ICFR&E, Conifer Campus Panthaghati, Shimla-171013, HP	_____

## **Chir pine (*Pinus roxburghii*) Sargent**

### **I. Subject**

These test guidelines will apply to all populations/provenances of Chir pine (*Pinus roxburghii*) Sargent.

### **II. Planting Material required**

1. The Protection of Plant Varieties and Farmers' Rights Authority (PPV&FRA) shall decide on the quantity and quality of the plant material required for testing the population/provenance and when and where it is to be delivered for registration under the Protection of Plant Varieties and Farmers' Rights Act (PPV&FRA), 2001.
2. Applicants submitting such planting material from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations and regulations are complied with.
3. The planting material for DUS test should represent populations/provenances and/or individuals within populations/provenances with characteristic features.
4. The planting material should not have undergone any treatment, which would affect the expression of the characteristics of the population/provenance, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

### **III. Conduct of tests**

#### ***Duration of test***

As observations are to be recorded on fully grown trees showing reproductive stage the duration of test should be a minimum two independent fruiting cycles.

#### ***Conditions for Conducting the Examination***

The population/provenance and individuals possessing characteristics shall be identified by the applicant. If any essential characteristics of the population/provenance are not expressed for visual observation at the selected locations, the population/provenance shall be considered for further examination at another site.

#### ***On-site DUS testing***

The Expert Committee constituted by the PPV & FRA in consultation with the DUS Centre shall be authorized to inspect on-site testing and recording of the appropriate characters.



- The applicant or his/her nominee on his/her behalf shall submit a request to the Authority for conducting a reliable trial according to Test Guidelines and the instructions from Authority before on-site examination of the candidate population/provenance.
- The applicant or his/her nominee shall submit a request to the Authority for on-site examination prior to start of growing cycle as mentioned in Test Guidelines for site examination of the candidate population/provenance.
- On-site testing may be conducted at the places specified by the applicant. The test shall be conducted on fully grown mature trees.
- A minimum five trees should be available for inspection and examination for 'on site' DUS testing. The trees must be healthy and free from pest & disease.
- On-site examination shall be arranged during the fruiting season, when distinguishing characteristics of candidate population/provenance can most easily be seen. The characteristics of the candidate population/provenance can be examined and compared with those of the comparative population/provenance as per the Test guidelines.
- The Expert Committee constituted by the PPV & FRA in consultation with the DUS Centre shall be authorized to inspect on-site testing and recording of the appropriate characters. Applicant shall supply the Expert Committee with summary of distinct characteristics supported by photographs.
- The Expert Committee shall take notes and observations on distinctness and shall confirm preliminary data and/or summary of distinctness from applicant.
- The Expert Committee shall submit examination report to the Authority.

#### **IV. Methods and observations**

- j) The morphological characteristics described in the Table of characteristics shall be used for the DUS testing of populations/provenances (Section VII)
- k) The assessment of distinctiveness and stability of all observations shall be made on five plants or parts taken from each of five plants
- l) Observations on all growth characteristics shall be observed on fully grown mature trees
- m) Observations on all bark and stem shall be made at 1.37 meters from ground level
- n) All branch characters shall be observed in the middle position of crown
- o) Observations on all needle characters shall be made in mature needles
- p) Observations on cones shall be recorded before opening of the cones
- q) For the assessment of all colour characteristics, the Royal Horticultural Society (RHS) colour chart shall be used
- r) Observations on wood characteristics shall be recorded on fully grown mature trees.

#### **V. Grouping of Varieties**

The populations/provenances for DUS testing shall be divided into groups to facilitate the assessment of Distinctiveness. Characteristics which are known from experience not to vary or to vary only slightly, within a population/provenance and which in their various states are fairly evenly distributed across all the populations/provenances in the collection are suitable for grouping purpose.

Grouping characteristics are those in which the documented states of expression, even when produced at different locations, can be used either individually or in combination with other such characteristics.

The following characteristics shall be used for grouping:

6. Needle colour (Characteristic 11)
7. Needle length (Characteristic 10)
8. Branch attitude (Characteristic 8)
9. Crown shape (Characteristic 9)
10. Height with clear bole length (Characteristic 1 & 3)

## **VI. Characteristics and symbols**

6. To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of characteristics (Section VII) shall be used.
7. Notes (1 to 9) shall be given for each state of expression for different characteristics for the purpose of electronic data processing
8. Legend:
  - iii. (\*) Characteristics that shall be observed during every growing season on all populations/provenances and shall always be included in the description of the population/provenance, except when the state of expression of any of these characters is rendered impossible by the environmental conditions of the testing region. Under such exceptional situations, adequate explanation shall be provided.
  - iv. (+) See Explanation on the Table of characteristics in Section VIII. It is to be noted that for certain characteristics, the plant parts on which observations to be taken are given in the explanation or figures for clarity and not for the colour variation.
9. Characteristics containing the following key in the first column of the Table of characteristics shall be examined as indicated below:

**QN:** Quantitative characteristics

**QL:** Qualitative characteristics

10. Type of assessment of characteristics indicated in column 6 of Table of characteristics 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 observation of individual plants or parts of plants

## VII. Table of characteristics

S.No	A. Plant	State	Notes	Populations/prov enance	Type of Assessment
1. (* (QN)	Tree height (m)	Small ( up to 20) Medium (21-30) Tall (>30)	3 5 7	Ghanati/Obta Chhabal/Banethi Platu/Kopra	MG/MS
2. (* (QN)	Diameter at breast height (cm)	Small ( up to 40) Medium (40-60) Large (>60)	3 5 7	Malan/Ghanati Chhabal/Banethi Dibkan/Platu	MG/MS
3. (* (QN)	Clear bole length (m)	Short (< 10) Medium (10-15) Tall (16-20) Very Tal (>20)	3 5 7 9	Banethi/Nihari Chalsai/Surkhigala Dibkan/Bijar Platu/Kopra	MG/MS
4. (* (QN)	Self Pruning ability(m)	Low (up to 10) Medium (10-20) High (>20)	3 5 7	Banethi/Malan Chhabal/Shimla Platu/Kopra	VG/MS
5. (* (QL)	Bark colour	Grey Pinkish Brown Orange Brown Dark Brown	1 3 4 5	Nihari/Chalsai Dibkan/Banethi Platu/Shimla Kopra/Bairkot	VS
6. (+ (QL)	Bark pattern	Smooth, shallow fissures Small, deep fissures Longitudinal shallow fissures Longitudinal deep fissure	1 2 4 5	Platu/Kopra Nihari/Chhabal Surkhigala/Bijar Obta/Dibkan	VS
7. (QN)	Bark thickness (cm)	Thin (<0.5) Moderate (0.5 – 1.5) Thick (>1.5)	3 5 7	Kopra/Dibkan Chalsai/Banethi Platu/Bijar	MG/MS
8. (+ (QL)	Branch : attitude	Horizontal Angular	3 7	Kopra/Dibkan Solan/Nihari	VS
9. (* (+)	Crown shape	Conical Round	1 3 5	Platu/Kopra Dibkan/Banethi Chabbal/Chalsai	VG/VS

(QL)		Umbrella			
10. (* (QN)	Needle length (cm)	Small (up to 20 ) Medium (20-35 ) Large (>30 )	3 5 7	Dibkan/Obta Nihari/Chalsai Platu/Bijar	MS
11. (* (QL)	Needle colour	Light Green Green Yellowish green Dark Green	1 2 3 4	Chalsai/Nihari Ghanati/Obta Bindraban Platu/Kopra	VG/VS
12. (+ (QN)	Chlorophyll content (mg/g)	Low (< 1) Medium (1-1.5) High (> 1.5)	3 5 7	Surkhigala/Banethi Nihari/Chalsai Kopra/Platu	MS
13. (* (QN)	Cone length (cm)	Small (<10) Medium (10-15) Large (>15)	3 5 7	Banethi/Dibkan Nihari/Chalsai Kopra/Platu	MS
14. (* (QN)	Cone width (cm)	Small (<5) Medium (6-8) Large (>8)	3 5 7	Obta/Chalsai Bindraban/Banethi Chhabal/Dibkan	MS
15 (* (QN)	Cone length: breadth ratio	Small Medium Large	3 5 7	Chalsai/Nihari Chhabal/Dibkan Platu/Banethi	MS
16. (QN)	No. of seeds per/cone	Low (<45) Medium (46-70) High (>70)	3 5 7	Banethi/Obta Chalsai/kopra Dibkan/Platu	MS
17. (QN)	Bending: Maximum load	Low (<200 Kgf ) Medium (200-300 Kgf) High (>300 Kgf )	3 5 7	Malan/Ghanati Chalsai/Banethi Platu/Dindraban	MS
18 (QN)	Strength	Low (<200 Kgf) Medium (200-400 Kgf) High (>400 Kgf)	3 5 7	Chhabal/Ghanati Kopra/Banethi Platu/Bindraban	MS

## VIII. Explanation for the Table of characteristics

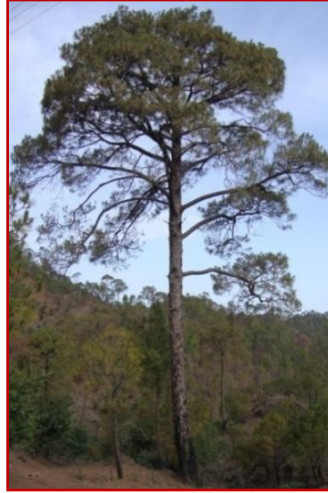
### Characteristic 1: Tree height (m)

Small (up to 20)



(3)

Medium (21-30)



(5)

Tall (> 30)



(7)

**Characteristic 2: Diameter at Breast Height (cm)**

**Small (up to 40)**



(3)

**Large (>60)**



(7)

**Medium (40-60)**



(5)

**Characteristic 3: Clear bole length (m)**

**Short (<10)**



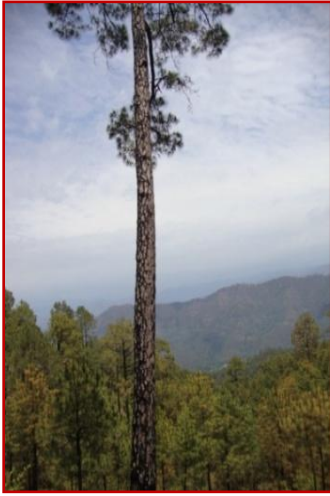
(3)

**Medium (10-15)**



(5)

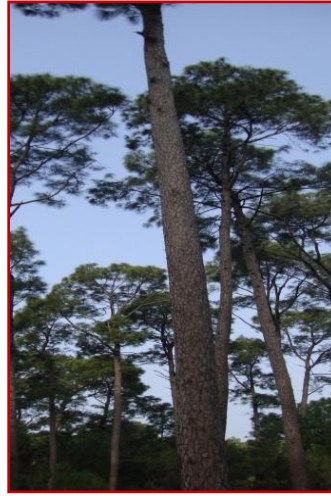
**Tall (16-20)**



(7)

**Characteristic 4: Self Pruning ability  
Low (up to 10)**

**Very Tall (>20)**



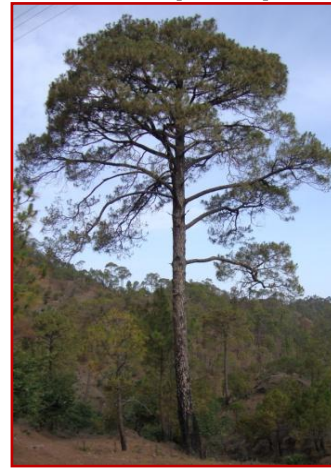
(9)

**Medium (10-20)**

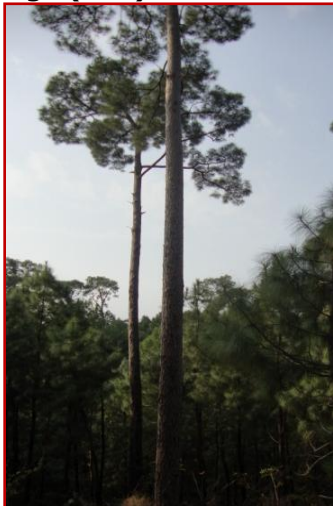


(3)

**High (>20)**



(5)



(7)



**Characteristic 5: Bark Colour**  
**Grey**



**(1)**  
**Orange Brown**



**(4)**

**Pinkish Brown**



**(3)**  
**Dark Brown**



**(5)**

**Characteristic 6: Bark pattern**  
**Smooth, shallow fissures**



**(1)**

**Small, deep fissures**



**(2)**



**Longitudinal shallow fissures**



(4)

**Longitudinal deep fissures**



(5)

**Characteristic 8: Branch attitude**  
**Horizontal**



(3)

**Angular**



(7)

**Characteristic 9: Crown shape**  
**Conical**



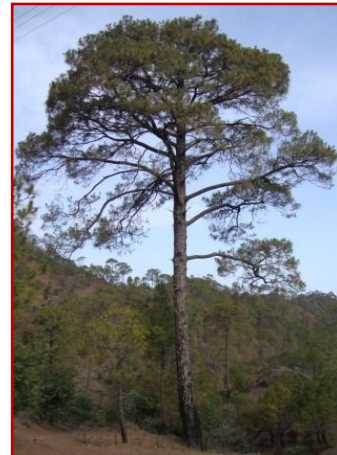
(1)

**Round**



(3)

**Umbrella**



(5)

**Characteristic 11: Needle colour**  
**Light Green**



(1)

**Yellowish Green**



(3)

**Green**



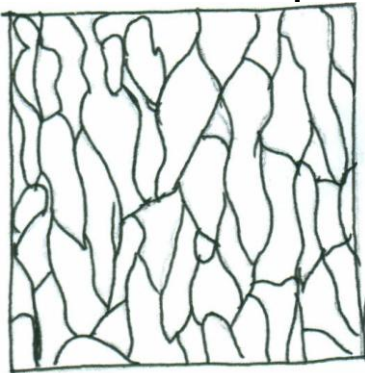
(2)

**Dark Green**



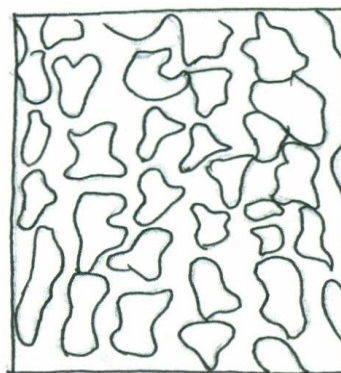
(4)

**VIII. Explanation for the Table of Characteristics**  
**Characteristic 6: Bark pattern**



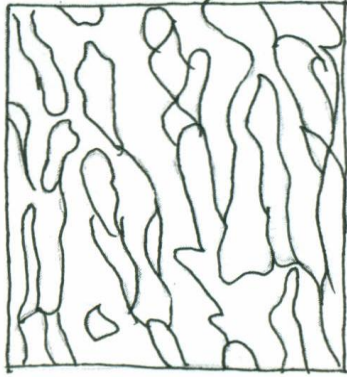
(1)

**Smooth shallow fissures**



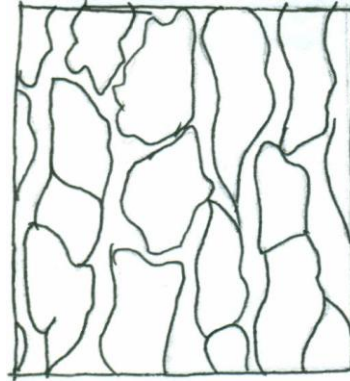
(2)

**Small deep fissures**



(4)

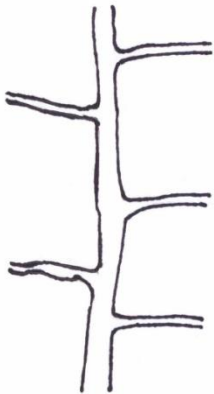
**Longitudinal shallow fissures  
fissures**



(5)

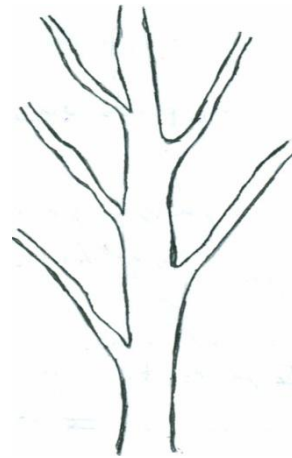
**Longitudinal deep  
fissures**

**Characteristic 8: Branch attitude**



(3)

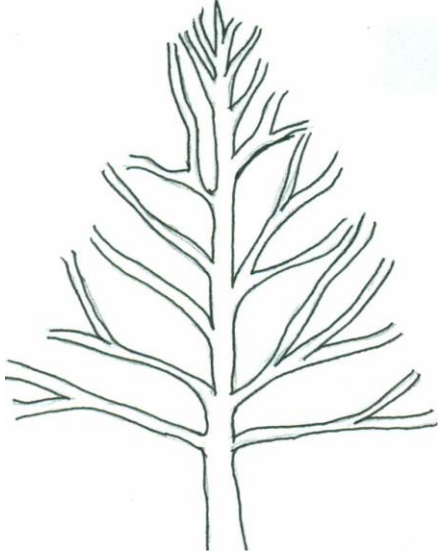
**Horizontal**



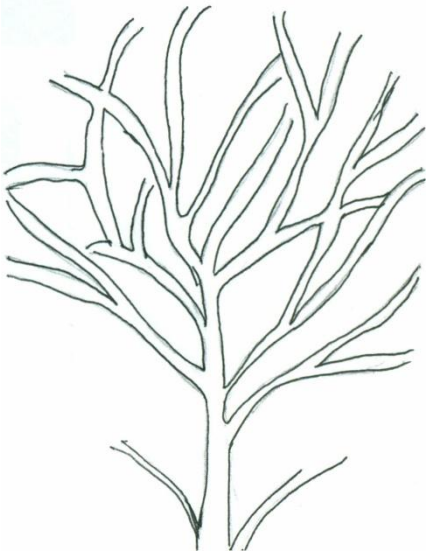
(7)

**Angular**

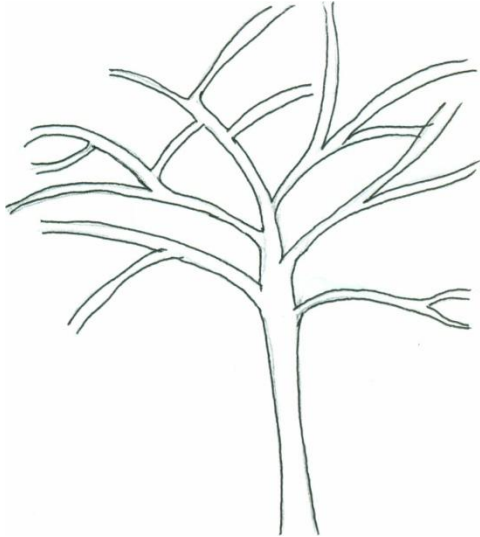
**Characteristic 9: Crown shape**



**(1)**  
**Conical**



**(3)**  
**Round**



**(5)**  
**Umbrella**



**Chlorophyll estimation:** Estimation of chlorophyll was done according to Arnon (1949) using 80 % Acetone at 645, 663 and 652 nm wavelength

**References:**

Arnon, D.I (1949). *Plant Physiol.* **24** 1

**IX. Working group details**

The test guidelines developed by the task force (01/2013) constituted by the PPV & FR Authority for ***Pinus roxburghii* Sargent** with consultation by Himalayan Forestry Research Institute, ICFRE, Conifer Campus, Shimla Technical inputs also provided by the PPV & FR Authority and nodal officer.

**The members of the Task Force**

- |   |                             |
|---|-----------------------------|
| <b>5. Dr. S. L. Madiwalar</b><br>Former Prof. & Dean (Forestry), Sirsi<br>Associate Director of Research<br>University of Agriculture Science<br>Dharwad- 580005, Karnataka | <b>Chairman</b>             |
| <b>6. Dr. Rajesh Sharma</b><br>Scientist-F & Project Investigator<br>Himalayan Forest Research Institute<br>ICFR&E, Conifer Campus<br>Panthaghati, Shimla-171013, HP        | <b>Member</b>               |
| <b>7. Dr. Sandeep Sharma</b><br>Scientist-F<br>Himalayan Forest Research Institute<br>ICFR&E, Conifer Campus<br>Panthaghati, Shimla-171013, HP                              | <b>Member</b>               |
| <b>8. Dr. Ravi Prakash</b><br>Registrar, PPV & FRA, New Delhi   | <b>Member<br/>Secretary</b> |

**X. DUS testing centers**

<b>Nodal DUS test centre</b>	<b>Co nodal DUS Test Center</b>
Himalayan Forest Research Institute ICFR&E, Conifer Campus Panthaghati, Shimla-171013, HP	_____

## **Mulberry (*Morus* spp.)**

### **I. Subject**

These Test Guidelines shall apply to all vegetatively propagated varieties, hybrids, mutants, polyploids and transgenics of **Mulberry** (*Morus* spp.)

### **II. Planting Material Required**

1. The Protection of Plant Varieties & Farmers' Rights Authority (PPV&FRA) shall decide on the quantity and quality of the plant material required for testing of the variety and when and where it is to be delivered for registration  
under the Protection of Plant Varieties and Farmers' Rights (PPV&FR) Act, 2001.
2. Applicants submitting such material(s) from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations are complied with.
3. The crop (mulberry) is a perennial, heterozygous tree plant cultivated as small to high bush and small trees by regular pruning and propagated clonally by stem cuttings in tropics and grafts in temperate regions.
4. The minimum quantity of planting material required to be supplied by the applicant per centre shall be 50 stem cuttings of 12 – 15 cm length and 1.0 – 1.5 cm diameter from 6 – 8 months mature shoots with 2 – 3 healthy buds or 50 saplings of four months old of about 120 cm height or 50 saplings/grafts on the root stock (popular root stock utilized in the region).
5. The planting materials supplied shall be healthy, not lacking in vigour or nutrition as well as free from pests or diseases or any mechanical damage.
6. The stem cuttings or grafted plants will be planted in nursery for rising of 4 months old saplings / grafts required for the test following the recommended cultivation practice in mulberry.
7. The plant material should not have undergone any treatment, which would affect the expression of the characteristics of the variety, unless the competent authorities allow or request such treatment. If it has been treated, full details of the treatment must be given.

### **III. Conduct of tests**

1. The minimum duration of DUS tests shall be normally 90 days each of 2 independent growing cycles per year (in June – August and September – November) and conducted for two years. The reproductive characteristics will be recorded after the second growing cycle during the natural flowering season (January – February) culminating with fruit development. The test will be initiated after 1 year of the

establishment of the plants in an experimental plot. The tests will be conducted at two places or in on-site testing.

2. The growing cycle is considered as the period from the date of pruning of the plants followed by bud sprouting, and active vegetative growth.
3. If any essential characteristic of the candidate variety is not expressed at the time of visual observation at two locations, the variety shall be considered for further examination at another appropriate test site or under special test protocol on expressed request by the applicant, for which additional quantity of planting material shall be supplied.
4. The field tests shall be carried out under conditions favouring normal growth and expression of all test characteristics. The size of the plots shall be such that plants or parts of plants could be removed for measurement and observation without prejudice to the other observations on the standing plants until the end of the growing period.

**5. Test plot design:**

The plants shall be raised with a crown height of 60 cm and spacing of 150 cm x 150 cm in Pit system and nurtured following the package of practices recommended for the variety.

Planting system	: Pit system
Number of rows	: 03
Row to row distance	: 150 cm
Plant to plant distance	: 150 cm
Number of replications	: 03
Number of plants per replication	: 08

**6. On-site testing:**

The applicant or his/her nominee on his/her behalf shall submit a request to the Authority for conducting a reliable trial according to Test Guidelines and the instructions from the Authority before on-site examination of the candidate variety. The applicant or his/her nominee shall submit a request to the Authority for on-site examination prior to start of growing cycle as mentioned in Test Guidelines for on-site examination of the candidate variety. On-site testing may be conducted at places specified by the applicant. The age of the plants at on-site shall be a minimum of 2 years for tropical regions and 3 years for temperate regions. As a minimum, 24 plants with uniform spacing should be available for inspection and examination for 'on-site' DUS testing. The plants must be healthy and free from pest & disease and raised under standard and uniform management practices. For farmer's variety or landraces, the authority may notify suitable guidelines on the number of plant(s) and season(s), if any. On-site examination shall be arranged during the favourable growing season, when distinguishing characteristics

of candidate variety can most easily be seen. The characteristics of the candidate variety can be examined and compared with those of the reference varieties as per the Test Guidelines. The Expert Committee constituted by the PPV & FRA in consultation with the DUS centre shall be authorized to inspect on-site testing and recording of the appropriate characters. Applicant shall supply the Expert Committee with summary of distinct characteristics supported by photographs. The Expert Committee shall take notes and observations on distinctiveness and shall confirm preliminary data and/or summary of distinctiveness from the applicant. The Expert Committee shall submit examination report to the Authority.

7. Observations shall not be recorded on plants in border rows.
8. Additional tests for special purpose shall be established by the PPV & FR Authority.

#### **IV. Methods and observations**

1. The characteristics described in the Table of Characteristics (refer Section – VII) shall be used for the testing of varieties for their DUS.
2. For the assessment of Distinctiveness and Stability, observations shall be made on 9 plants or parts of 9 plants, which shall be equally divided among 3 replications.
3. For the assessment of Uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance of probability of at least 95% shall be applied.
4. All observations on leaf characters shall be measured using fully expanded matured leaves in the middle portion (15<sup>th</sup> leaf) on the longest shoot.
5. All observations on shoot, leaf, bud characteristics shall be made on upper (*e.g.*, stipule nature), middle (*e.g.*, phyllotaxy), lower (*e.g.*, mature shoot color and shoot thickness in cm) 1/3<sup>rd</sup> portion of the longest shoot.
6. Observations on reproductive characteristics shall be taken during the natural flowering season or after about 2 – 3 weeks of pruning.
7. For the assessment of colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.

#### **V. Grouping of varieties**

1. The candidate varieties for DUS testing should be divided into groups to facilitate the assessment of Distinctiveness. Characteristics which are known from experience not to vary, or to vary only slightly within a variety and which in their various states of expression are fairly distributed evenly across all varieties in the collection, are suitable for grouping purposes.
2. The following characteristics shall be used for grouping mulberry varieties
  - a) Inter-nodal distance (Characteristic 08)



- b) Phyllotaxy (Characteristic 09)
- c) Leaf base (Characteristic 21)
- d) Sex (Characteristic 29)
- e) Mature inflorescence length (Characteristic 30)

**VI. Characteristics and symbols**

1. To assess distinctiveness, uniformity and stability, the characteristics and their states of expression as given in the Table of characteristics (Section – VII) shall be used.
2. Notes (1 to 9) shall be used to describe the state of each character for the purpose of digital data processing and these notes shall be given against the states of different characteristics.
3. Legend
  - (\*) Characteristics that shall be observed during the active growing season and shall always be included in the description of the variety, except when the state of expression of any of these characters is rendered impossible by a preceding phenological characteristic or by the environmental conditions of the testing regions. Under such situation, adequate explanation shall be provided.
  - (+) See explanations for the Table of characteristics in the section - VIII. It is noted that for certain characteristics the plant parts on which observations to be taken are given in the explanation of figure (s) for clarity and not for the colour variation.
4. A numerical code in the sixth column of Table of Characteristics is on or after the days indicated for the observation of respective characteristic during the growth and development of plants. The relevant growth stages corresponding to this numeric code are described below:

**Code for the growth stages**

<b>Code</b>	<b>Growth stage</b>
08	After 8 days of pruning, when the buds start sprouting
20	Matured or fully developed inflorescence in the natural flowering season or about 2 - 3 weeks after pruning
40	Fully matured fruit
45	On or after 45 days of pruning
60	On or after 60 days of pruning
90	On 90 <sup>th</sup> day of pruning / planting of cuttings

5. Characteristics denoted with symbols QL, QN and PQ in the first column of the Table of Characteristics shall be indicated as;
  - QL: Qualitative characteristic
  - QN: Quantitative characteristic
  - PQ: Pseudo-qualitative characteristic

6. Type of assessment of characteristics indicated in column seven of Table of Characteristics is as follows:

MS: Measurement of a number of individual plants or parts of plants

MG: Measurement by a single observation of a group of plants or parts of plants

VS: Visual assessment by observation of individual plants or parts of plants

VG: Visual assessment by a single observation of a group of plants or parts of plants

## VII. Table of Characteristics

Sl. No.	Characteristic	State	Note	Example varieties	Stage of observation (Day - on or after)	Type of assessment
1	2	3	4	5	6	7
1 QN (* )	Plant: vigor	Low  Medium  High	3  5  7	Kajli, Surat, Harmutty  Kanva-2  <i>M. laevigata</i> (Hybrid)	45	VG
2 PQ (* (+ )	Plant: growth habit	Erect  Semi-erect  Spreading  Drooping	3  5  7  9	Philippines, Kanva-2, Mysore Local  <i>M. multicaulis</i> , Kosen  Kajli, Bilidevalaya, Doomar Nali, Mizusawa  Creeping mulberry	60	VS
3 QN	Sprouting (days)	Early (<10)  Medium (10-15)  Late (>15)	3  5  7	Kanva-2, Harmutty  Birds Foot, Philippines  Urgam-1, French	8	MG
4 QN	Survival % of cuttings (rooting)	Low (<40)  Medium (40 – 80)  High (>80)	3  5  7	Doomar Nali  Kosen, Philippines  Kajli	90	MG
5 PQ (+ )	Shoot: type	Straight  Slightly curved  Curved	3  5  7	Kanva-2  Kosen  Doomar Nali	60	VS
6 QN	Shoot: thickness (cm)	Thin (<1.0)  Medium (1.0-1.5)  Thick (>1.5)	3  5  7	Harmutty  <i>M. multicaulis</i>  Mizusawa, Lazuraso, Kosen, Gajapathipur-2	60	MS
7 PQ	Mature shoot: color	Yellow-Green Group 147  Greyed-Green Group 195  Grey-Brown Group 199  Brown Group N200  Grey Group 201	1  3  5  7  9	Kokuso  China-34  Asiyoake, Lazuraso, Birds Foot  K2xBC (P11)  Barbat Farm	90	VS
8	Inter-nodal distance	Short (<3)	3	Surat, Kokuso	90	MS

QN (* )	(cm)	Medium (3-6)	5	Railway Quarter, Kosen		
		Long (>6)	7	Phillipines, Doomar Nali, Moreti (Syringe), Birds Foot		
9 PQ (* (+)	Phyllotaxy	Distichous (1/2)	3	Birds Foot, Doomar Nali, <i>M. laevigata</i> (Hybrid)	60	VS
		Tristichous (1/3)	5	Bilidevalaya		
		Pentastichous (2/5)	7	Lazuraso, Kosen, Harmutty, Mizusawa		
		Mixed type {(1/2 & 1/3), (1/2 & 2/5), (1/3 & 2/5), (1/2, 1/3 & 2/5)}	9	French, Mysore Local, Kanva-2, Asiyoake		
10 QN (+)	Leaf: angle	Acute	3	Kanva-2, Mysore Local	45	VG
		Horizontal	5	Moreti (Seringe)		
		Obtuse	7	Phillipines		
11 QN (+)	Petiole: length (cm)	Short (<3)	3	Malakai Local, Surat	60	MS
		Medium (3-5)	5	Kanva-2, Punjab Local, Badodhi		
		Long (>5)	7	Railway Quarter, Doomar Nali, Creeping CP x V-1 (P5)		
12 QN	Petiole: thickness (cm)	Thin (<0.2)	3	Surat, Kajli, Acc.106, Harmutty	60	MS
		Medium (0.2-0.4)	5	Kanva-2, Barbat Farm		
		Thick (>0.4)	7	<i>M. multicaulis</i> , Phillipines, Doomar Nali, China-34		
13 QL	Stipule: nature	Bud scale	1	Surat, Acc.106	45	VS
		Free lateral	2	Mysore Local, Railway Quarter		
		Foliaceous	3	Barbat Farm		
14 QN (* )	Leaf lamina: length (cm)	Short (<10)	3	Surat	60	MS
		Medium(10-20)	5	Kanva-2, Mysore Local		
		Long (>20)	7	<i>M. multicaulis</i> , Doomar Nali, Phillipines, <i>M. laevigata</i> (Hybrid)		
15 QN (* )	Leaf lamina: width (cm)	Narrow (<10)	3	Surat, French, Harmutty	60	MS
		Medium (10-15)	5	Kanva-2, Mysore Local, Railway Quarter		
		Broad (>15)	7	Doomar Nali		
16 QN (* (+)	Leaf: size (sq. cm)	Small (< 200)	3	Surat	90	MG
		Medium (200-400)	5	Kosen, Kanva-2, Punjab Local		
		Large (> 400)	7	Doomar Nali, <i>M. laevigata</i> (Hybrid)		
17 PQ (+)	Leaf: shape	Cordate (L/W ratio=<1:1)	1	Kanranjotli-1	60	MS
		Wide ovate (L/W ratio= 1.2:1)	3	<i>M. multicaulis</i>		
		Ovate (L/W ratio=1.5:1)	5	Doomar Nali, Kanva-2, Mysore Local		
		Narrow ovate (L/W ratio=2:1)	7	Harmutty		
		Lanceolate	9	French		

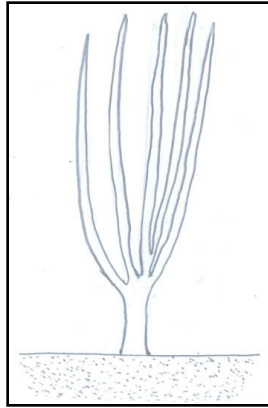
		(L/W ratio =3:1)				
18 PQ (+)	Leaf: color	Light Green -141 D	3	Kanva-2	60	VS
		Green-137C	5	Philippines		
		Dark Green-137A	7	Railway Quarter, Kajli, <i>M. multicaulis</i>		
19 PQ	Leaf: hairiness	Glabrous	3	Kosen	90	VS
		Sparsely Hairy	5	Birds Foot, Badodhi, Malakai Local, Ranchi-5		
		Hairy (pubescent)	7	Urgam-1		
20 PQ	Leaf: texture	Membranaceous	3	Philippines	90	VS
		Charataceous	5	Kajli, Surat, Mysore Local		
		Coriaceous	7	French, Barbat Farm		
21 PQ (* (+)	Leaf: base	Acute	3	French	60	VS
		Truncate	5	Kanva-2, <i>M. laevigata</i> (Hybrid)		
		Cordate	7	Mizusawa, <i>M. multicaulis</i> , Punjab Local		
		Lobate	9	Kosen, Malakai Local		
22 PQ (* (+)	Leaf: apex	Acute	3	Philippines, French, China-34	60	VS
		Acuminate	5	Punjab Local, Mysore Local		
		Caudate	7	Barbat Farm, Harmutty, Badodhi, Ranchi-5		
		Obtuse	9	-		
23 PQ (* (+)	Leaf: margin	Crenate	3	Philippines, Kosen	60	VS
		Dentate	5	Surat, Acc.106, Malakai Local		
		Serrate	7	<i>M. laevigata</i> (Hybrid)		
		Repand	9	Lamia Bay		
24 PQ (*	Leaf: type	Unlobed (entire)	1	<i>M. multicaulis</i>	60	VG
		Lobed	2	Kajli, Bilidevalaya		
		Mixed type	3	Mysore Local, Badodhi, Ranchi-5		
25 QN (+)	Mature bud size	Small	3	Philippines, Surat, Punjab Local	90	VG
		Medium	5	Kosen, <i>M. multicaulis</i> , Kajli		
		Large	7	Doomar Nali		
26 QL (+)	Bud attachment	Adhering to branch	1	Philippines, Surat, Mysore Local	60	VS
		Slanting out ward	2	<i>M. multicaulis</i> , Kajli, Barbat Farm		
		Tilting to one side	3	-		
27 PQ (* (+)	Mature bud shape	Round	3	Acc.106, Gajapathipur-2	90	VG
		Acute triangle	5	Philippines, Mysore Local, Punjab Local		
		Long triangle	7	Mizusawa, <i>M. multicaulis</i> , Birds Foot, Badodhi		
		Spindle	9	Doomar Nali		
28 QL (+)	Accessory bud	Absent	1	French	60	VS
		Present	9	<i>M. multicaulis</i> , Mysore Local		
29 QL	Sex	Gynoecious	1	Kajli, , Doomar Nali, <i>M. multicaulis</i>	20	VG

(*) (+)		Androecious	2	Lamia Bay		
		Bisexual	3	Gajapathipur-2		
		Andromonoecious	4	-		
		Gynomonoecious	5	-		
		Androgynomonoecious	6	-		
30 QN (*) (+)	Mature inflorescence: length (cm)	Short (<2)	3	Surat, Mysore Local, Bilidevalaya, Harmutty	20	MS
		Medium (2-4)	5	Mizusawa, <i>M. multicaulis</i> , Punjab Local		
		Long (>4)	7	Birds Foot, Doomar Nali, <i>M. laevigata</i> (Hybrid)		
31 QL	Stigma: nature	Pubescent	3	Mysore Local, Railway Quarter	20	VS
		Papillate	7	Philippines, Doomar Nali, Lazuraso		
32 QL	Stigma: type	Erect	3	Lasuraso, <i>M. multicaulis</i> , Kajli, Birds Foot	20	VS
		Spreading	5	Punjab Local, Kanva-2, Bilidevalaya		
		Divaricate	7	Mysore Local, Surat, Harmutty, Karanjotli-1		
		Twisted	9	Doomar Nali, Ranchi-5		
33 QN (+)	Mature fruit: length (cm)	Short(<2)	3	Surat, Mysore Local	40	MS
		Medium (2-4)	5	<i>M. multicaulis</i> , China-34, Kanva-2, Karanjotli-1, Moreti (Seringe)		
		Long (4-8)	7	Ranchi-5, <i>M. laevigata</i> (Hybrid)		
		Very long (>8)	9	Doomar Nali		
34 QN	Mature fruit: width (cm)	Narrow (<1)	3	Surat, Harmutty, Mysore Local, <i>M. laevigata</i> (Hybrid)	40	MS
		Medium (1-1.5)	5	Kajli, <i>M. multicaulis</i> , Doomar Nali		
		Broad (>1.5)	7	Railway Quarter		
35 PQ (+)	Mature fruit: color	Black Group 203 - Bluish Black C	1	<i>M. multicaulis</i> , Kajli, Bilidevalaya, Surat, Kanva-2, Mysore Local	40	VG
		Greyed-Orange Group 172 - Dark Reddish Orange B	2	<i>M. laevigata</i> (Hybrid)		
		Purple Group 76 - Very Pale Purple C	3	Punjab Local, RC-1		
		Yellow-Green Group 145 - Light Yellow Green D	4	Moreti (Seringe)		
		White	5	Ranchi-5		
		Green	6	Saravathi Tea Estate		

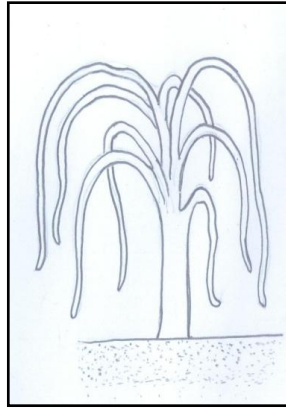
**VIII. Explanation on the table of characteristics**

**Characteristic 2: Plant growth habit**

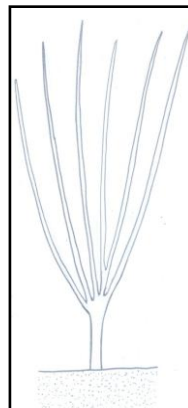




**Erect  
(3)**



**Drooping  
(5)**



**Semi-erect  
(7)**



**Spreading  
(9)**

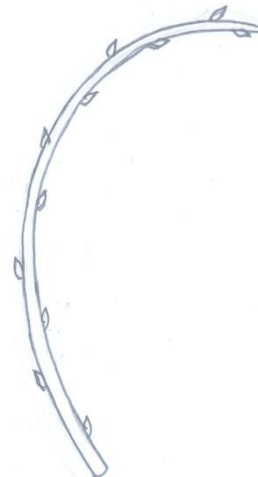
**Characteristic 5: Shoot type**



**Straight  
(3)**

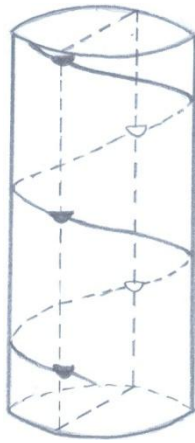


**Slightly curved  
(5)**

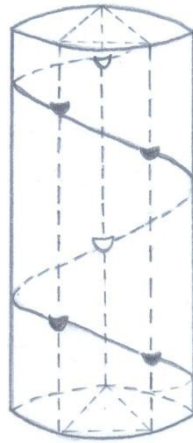


**Curved  
(7)**

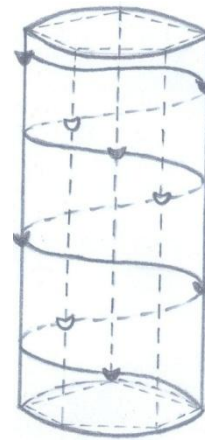
**Characteristic 9: Phyllotaxy**



**1/2  
(3)**



**1/3  
(5)**



**2/5  
(7)**

**Mixed type (9)** - Include combination of 1/2 & 1/3 or 1/2 & 2/5 or 1/3 & 2/5 or 1/2, 1/3 & 2/5

**Characteristic 10: Leaf angle**



**Acute  
(3)**



**Horizontal  
(5)**



**Obtuse  
(7)**



**Characteristic 11: Petiole length**



**Short  
(3)**



**Medium  
(5)**



**Long  
(7)**

**Characteristic 16: Leaf size**



**Small  
(3)**

**Medium  
(5)**

**Large  
(7)**

**Characteristic 17: Leaf shape**



**Cordate  
(1)**



**Wide ovate  
(3)**



**Ovate  
(5)**



**Narrow ovate  
(7)**



**Lanceolate  
(9)**

**Characteristic 18: Leaf color**



**Light green 141 D**  
(3)



**Green 137 C**  
(5)



**Dark green 137 A**  
(7)

**Characteristic 21: Leaf base**



**Acute**  
(3)



**Truncate**  
(5)



**Cordate**  
(7)



**Lobate**  
(9)

**Characteristic 22: Leaf apex**



**Acute**  
(3)

**Acuminate**  
(5)

**Caudate**  
(7)



**Characteristic 23: Leaf margin**



**Crenate  
(3)**



**Dentate  
(5)**

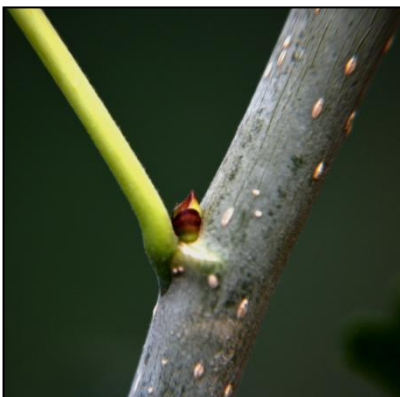


**Serrate  
(7)**



**Repand  
(9)**

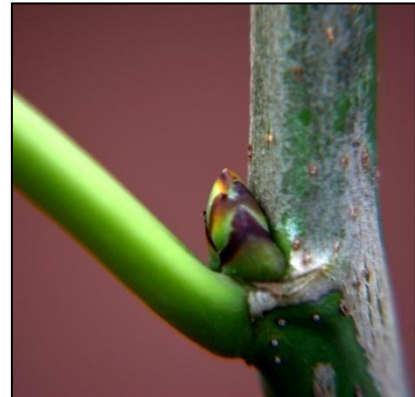
**Characteristic 25: Mature bud size**



**Small  
(3)**

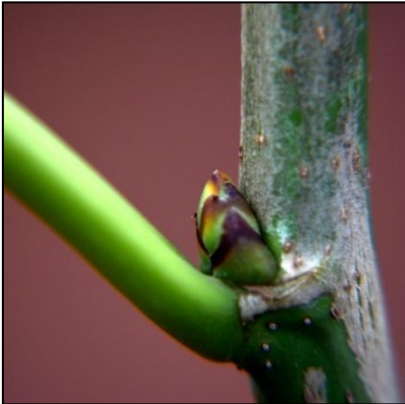


**Medium  
(5)**



**Large  
(7)**

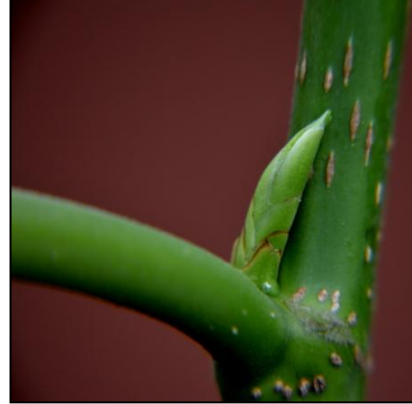
**Characteristic 26: Bud attachment**



**Adhering to branch  
(1)**



**Slanting outward  
(2)**

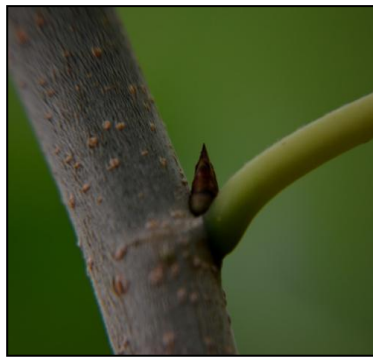


**Tilting to one side  
(3)**

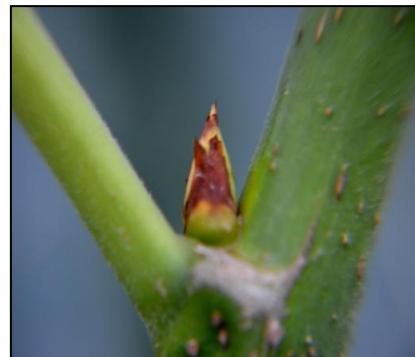
**Characteristic 27: Mature bud shape**



**Round  
(3)**

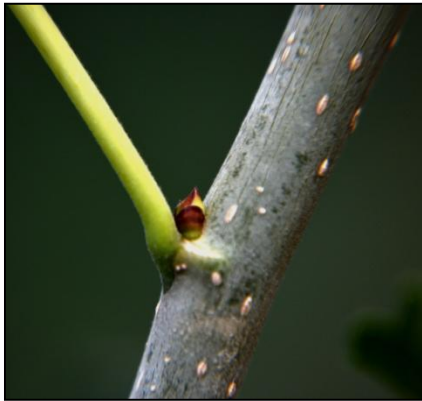


**Acute triangle  
(5)**



**Long triangle  
(7)**

**Characteristic 28: Accessory bud**



**Absent  
(1)**



**Present  
(9)**

**Characteristic 29: Sex**



**Gynoecious (Female)  
(1)**



**Androecious (Male)  
(2)**

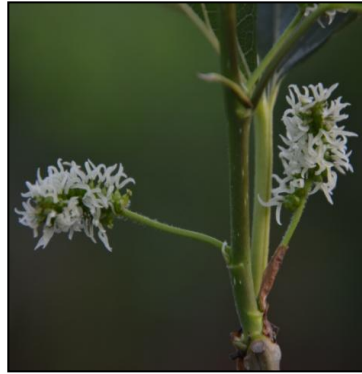


**Bisexual  
(3)**

**Characteristic 30: Mature inflorescence length (Female)**



**Short  
(3)**



**Medium  
(5)**



**Long  
(7)**

**Characteristic 30: Mature inflorescence length (Male)**



**Short  
(3)**



**Medium  
(5)**



**Long  
(7)**

**Characteristic 33: Mature fruit length**



**Short  
(3)**



**Medium  
(5)**



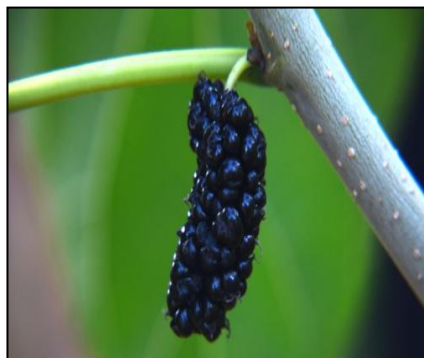
**Long  
(7)**



**Very long  
(9)**



### Characteristic 35: Mature fruit color



**Bluish black  
(1)**



**Dark reddish orange  
(2)**



**Very pale purple  
(3)**



**Light yellow green  
(4)**



**White  
(5)**

### IX. Working group details

The test guidelines developed by the task force (03/2016) constituted by the PPV & FR Authority for **Mulberry (*Morus Spp.*)** with consultation by Central Sericultural Research and Training Institute, Mysuru

Technical inputs also provided by the PPV & FR Authority and nodal officer.

- Dr. S. B. Dandin** Chairman  
Former Vice-Chancellor and Liasion Officer  
Bioversity International  
Southern Center of Sub-Regional Office for South Asia,  
C/o College of Horticulture, UHS Campus, GKVK Post  
Bengaluru- 560065, Karnataka
- Dr. R. S. Mallikarjunappa** Member  
Former Head, Div of Moriculture,  
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6. **Dr. K. Narayana Gowda** Special Invitee  
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 University of Agril. Sciences, GKVK, Bangalore-560065, Karnataka
7. **Shri G. Sathish, IFS** Special Invitee  
 Commissioner for Sericulture Dept. and Director of Sericulture,  
 Govt. of Karnataka,  
 Dr. Ambedkar Veedi, MS Building, Bangalore – 560001
8. **Dr. Ravi Prakash** Member  
 Registrar ( Farmers' Rights), PPV & FRA, New Delhi Secretary

#### X. DUS Testing Centres

Nodal DUS Test Centre	Co nodal DUS Test Centre
Central Sericultural Research and Training Institute, Central Silk Board, Manadavadi Road, Srirampura, Mysore-570008, Karnataka	_____

## **Jasmine (*Jasminum multiflorum* L.)**

### **I. Subject**

These Test Guidelines shall apply to all varieties of *Jasminum multiflorum* L. of the family Oleaceae.

### **II. Material required**

1. The Protection of Plant Varieties & Farmers' Rights Authority (PPV&FRA) shall decide when, where and in what quantity and quality the plant material are required for testing of a variety denomination for registration under the Protection of Plant Varieties and Farmers Rights (PPV&FR) Act, 2001. Applicants submitting such material from a country other than India shall make sure that all customs and quarantine requirements stipulated under relevant national legislations and regulations are complied with. For all varieties bred for fresh flower purpose, landscaping and industrial uses, 20 numbers of 6 months old fully rooted plants of commercial standard has to be supplied for DUS testing. If however any material for DUS tests has a specific requirement for the expression of characters, the same shall be specified by the applicant.
2. The plant material supplied shall be healthy, not lacking in vigor or affected by any pest or disease.
3. The plant material shall not have undergone any chemical or bio-physical treatment which would affect the expression of the characteristics of the variety unless the competent authority allow or request for such treatment. If it has been treated, full details of the treatment must be given.
4. The planting material supplied shall also possess the highest genetic purity, uniformity, sanitary and phyto-sanitary standards.

### **III. Conduct of Tests**

1. The minimum duration of the test shall normally be two similar complete growing cycles with reference to the ecosystem of the variety submitted for DUS test. An option is that a panel of experts shall visit the on- farm test sites for two similar crop seasons. However, in case the material entered does not meet the DUS criteria for any one or more than one character, then the test shall be extended up to the next growing cycle.
2. The tests shall normally be carried out in two locations under conditions ensuring satisfactory growth for the expression of the relevant characteristics of the variety and for the conduct of the examination. All stages are indicated against each character in chapter VII (Table of characteristics).
3. If any essential characteristics of the variety are not expressed for visual observations at the test location, the variety shall be considered for further examination at another appropriate test site or under special test protocol on expressed request of the applicant.
4. The size of the plots shall be such that parts of plants could be removed for measurement and observation without prejudicing the other observations on the standing plants.
5. In particular, growth regulators should not be used.
6. The varieties will be evaluated under natural growing conditions and checked for distinctiveness.

7. The plants shall be planted in the test field/plot at a standard spacing recommended for each type.
8. Additional special test protocols shall be established by the PPV&FR Authority.

#### **IV. Methods and observations**

1. The characteristics described in the Table of characteristics shall be used for the testing of varieties for their DUS (Section VII).
2. The optimum stage of development for the assessment of the characteristics are indicated against each of the characteristics.

#### **System for growth stages in jasmine**

<b>Code</b>	<b>Growth stages</b>
01	Pre flowering stage
02	At the time of shoot emergence
03	At bud stage
04	At anthesis
05	At peak flowering
06	At seed set

3. All observations on vegetative parts shall be as specified and leaf characteristics will be recorded on the fourth fully opened leaf from the tip of the stem. Colours of vegetative parts shall be observed on plants exposed to natural growing conditions.
4. Unless otherwise indicated, all observations on single plants shall be made on all plants or parts taken from each of 10 plants.
5. Each test shall include a total of at least 10 plants in DUS test centres and 5 plants for on - site tests. For assessment of Distinctiveness and Stability, all observations shall be made on all plants.
6. For the assessment of Uniformity of vegetatively propagated varieties, a population standard of 1% and an acceptance probability of at least 95 % shall be applied. In the case of a sample size of 10 plants, 1 off-type is allowed.
7. In practice, it is not usual to perform tests of Stability that produce results as certain as those of the testing of Distinctiveness and uniformity. However, experience has demonstrated that for many types of variety, when a variety has been shown to be uniform, it can also be considered to be stable. Where appropriate or in cases of doubt, stability may be tested either by growing a further generation or by testing a new plant stock to ensure that it exhibits the same characteristics as those shown by the previous material supplied.
8. For the assessment of colour characteristics, the latest Royal Horticultural Society (RHS) colour chart shall be used.
9. Additional test protocols for special purpose if required shall be established by the PPV&FR Authority.

10. Standard cultural practices to be adopted and specified as may be relevant to the location of the DUS test centers for open conditions. If however, any material entered for the DUS test has any specific requirement for expression of characters, the same will be specified by the authority. The DUS test centers shall finalize the standard cultural practices with the approval of the Authority.

## 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 known from experience not to vary or to vary only slightly within a variety and which in their various states are fairly evenly distributed across all varieties in the collection are suitable for grouping purpose.
2. Grouping characteristics are those in which the documented states of expression, even where produced at different locations, can be used, either individually or in combination with other such characteristics: (a) to select varieties of common knowledge that can be excluded from the growing trial used for examination of distinctness; and (b) to organize the growing trial so that similar varieties are grouped together.
3. The following characteristics shall be used for grouping *Jasminum multiflorum* varieties:
  - a) Young shoot anthocyanin colouration (Characteristic 3)
  - b) Tinge on flower bud (Characteristic 17 )
  - c) Reflexing of flower (Characteristic 21)
  - d) Fragrance at flower opening (Characteristic 22 )

## VI. Characteristics and symbols

1. To assess Distinctiveness, Uniformity and Stability, the characteristics and their states as given in the Table of characteristics (section VII) shall be used.
2. Notes (1-9) shall be used to describe the state of each character for the purpose of digital data processing.
3. Legend

**(\*)** Characteristics that shall be observed during every growing season on all varieties and shall always be included in the description of the variety, except when the state of expression of any of these characters is rendered impossible by a preceding phenological characteristic or by the environment conditions of the testing region. Under such exceptional situation, adequate explanation shall be provided.

**(+)** Characteristics are illustrated by explanation and drawings in Sl.No. VIII "Explanations and Method".

4. Characteristics denoted with symbols QL, QN and PQ in first column of the Table of characteristics shall be indicated as:

**QL:** Qualitative characteristic

**QN:** Quantitative characteristic

**PQ:** Pseudo-qualitative characteristic

5. Type of assessment of characteristics indicated in Column no. 7 of the Table of characteristics 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.

## VII. Table of characteristics

S.No.	Characteristics	State	Note	Example variety	Stage of observation	Type of assessment
(1)	(2)	(3)	(4)	(6)	(5)	(7)
1. (* PQ	Plant growth type	Shrub	3	Kakada Arka Arpan	01	VG
		Climber	7	-		
2. QN	Plant height (at flowering)	Short (<45 cm)	1	-	05	MS
		Medium (45 to 100 cm)	3	-		
		Tall (> 100 cm)	5	Kakada Arka Arpan		
3. (* QL	Young shoot anthocyanin colouration (Shoots up to 30 cm from growing tip)	Absent	1	Kakada	02	VG
		Present	9	Arka Arpan		
4. PQ	Young shoot intensity of anthocyanin colouration	Weak	1	-	02	VG
		Medium	3	-		
		Strong	5	Arka Arpan		
5. PQ	Leaf size	Small	1	-	01	VG
		Medium	3	Kakada Arka Arpan		
		Large	5	-		
6. PQ	Intensity of green colour (upper surface of mature leaf)	Light	1	-	01	VG
		Medium	3	Kakada		
		Dark	5	Arka Arpan		
7. (* QL	Leaf anthocyanin colouration (young leaf)	Absent	1	Kakada	01	VG
		Present	9	Arka Arpan		
8. (* QL	Leaf glossiness on upper surface (mature leaf)	Absent	1	-	01	VG
		Present	9	Kakada Arka Arpan		
9. (* QL	Leaf pubescence on lower surface (mature leaf)	Absent	1	-	01	VG
		Present	9	Kakada Arka Arpan		
10. (*	Shape of leaf blade	Lanceolate	1	-	01	VG
		Elliptic	3	-		

PQ (+)		Ovate	5	Kakada Arka Arpan		
		Circular	7	-		
11. PQ (+)	Leaf tip	Sharp	1	Kakada Arka Arpan	01	VG
		Medium	3	-		
		Blunt	5	-		
12. PQ (+)	Shape of base of leaf blade	Acute	1	-	01	VS
		Obtuse	3	Kakada Arka Arpan		
		Rounded	5	-		
		Cordate	7	-		
		Asymmetric	9	-		
13. QL (+)	Flower bearing position	Terminal	1	Kakada	05	VG
		Axillary	3	-		
		Both	5	Arka Arpan		
14.	Flower bud length	Short (1.0-2.0cm)	1	-	03	MS
		Medium ( 2.1-3.0cm)	3	-		
		Long (>3.0cm )	5	Kakada Arka Arpan		
15. (* PQ (+)	Flower bud shape	Pointed and short	1	-	03	VS
		Pointed and long	5	Kakada Arka Arpan		
16. (* PQ	Flower bud colour (RHS colour chart reference indicate number)	Pure white	1	Kakada (White NN155D)	03	VG
		Off white	3	-		
17. (* QL	Tinge on flower bud	Absent	1	Kakada	03	VG
		Present	9	Arka Arpan		
18. (* PQ	Flower colour on opening (RHS colour chart reference indicate number)	Pure white	1	Kakada (White NN155D), Arka Arpan (White NN155D)	04	VG
		Off white	3	-		
19. QN	Corolla length	Short (0.5-1.0cm)	1	-	03	MS
		Medium (1.1-1.5cm)	3	-		
		Long (> 1.5cm)	5	Kakada Arka Arpan		
20. QN	Corolla tube length	Short (0.5-1.0cm)	1	-	03	MS
		Medium(1.1-1.5cm)	3	-		

		Long (> 1.5cm)	5	Kakada Arka Arpan		
21. QL (+)	Reflexing of flower	Absent	1	Kakada	04	VG
		Present	9	Arka Arpan		
22. (* QL	Fragrance at flower opening	Absent	1	Kakada	04	VG
		Present	9	Arka Arpan		
23. (* QL	Seed setting	Absent	1	Kakada	06	VG
		Present	9	Arka Arpan		

### VIII. Explanations on the table of characteristics:

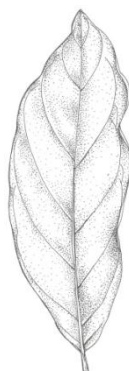
#### 8.1: Explanations covering several characters

All characteristics shall be recorded at the stages indicated against each of the characteristics.

- In all flower types, observation will be recorded when the flower is fully open but before senescence sets in.
- Bud characteristics shall be observed when the buds are showing full colour, just before they begin to open.
- Stem and stipule characteristics shall be observed on the middle third of the stem except for characters requiring young shoot for which new flush will be used.
- Leaf characteristics shall be observed on fourth leaf from the top of the stem.

#### 8.2: Explanations for individual characters

##### Characteristic 10: Shape of leaf blade



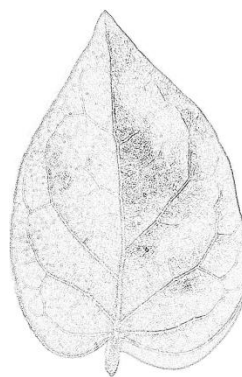
(1)

Lanceolate



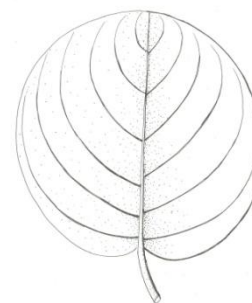
(3)

Elliptic



(5)

Ovate



(7)

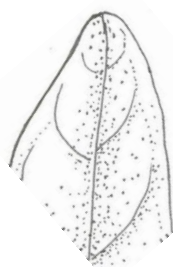
Circular

**Characteristic 11: Leaf tip**



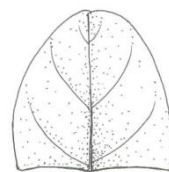
**(1)**

**Sharp**



**(3)**

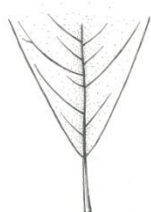
**Medium**



**(5)**

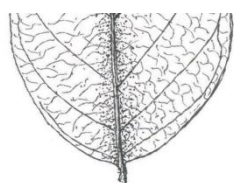
**Blunt**

**Characteristic 12: Shape of the base of leaf blade**



**(1)**

**Acute**



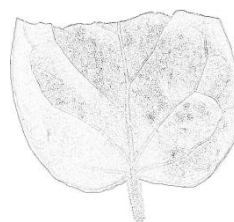
**(3)**

**Obtuse**



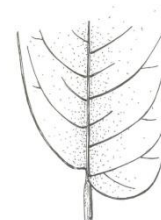
**(5)**

**Rounded**



**(7)**

**Cordate**

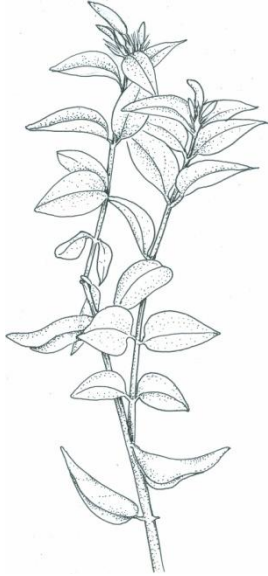


**(9)**

**Asymmetric**



**Characteristic 13: Flower bearing position**



**(1)**

**Terminal**



**(3)**

**Axillary**



**(5)**

**Terminal and axillary**

**Characteristic 15: Flower bud shape**



**(1)**

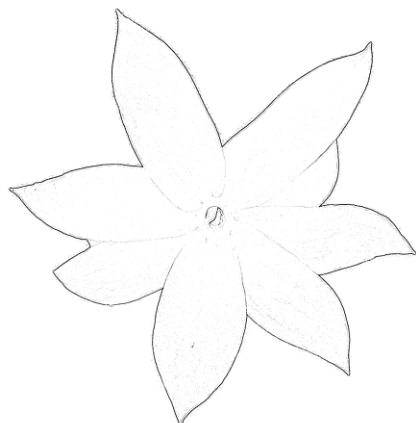
**Pointed and short**



**(3)**

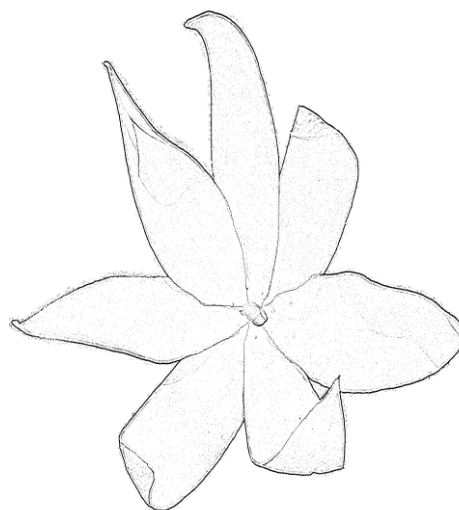
**Pointed and long**

**Characteristic 21: Reflexing of flower**



**(1)**

**Absent**



**(3)**

**Present**

**IX. Biochemical characters (Additional character)**

1.	Aroma profiling	Aroma profiles to be generated for jasmine flowers harvested from plants provided for testing.
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**Methods of extracting essential oils and aroma profiling of jasmine**

**Solvent extraction**

The flowers are covered by a solvent such as ether, petroleum, hexane or acetone and then heated to 40-45 degree centigrade to extract the essential oil. This is then filtered which leaves a paste called concrete made up of wax and fragrance which is then mixed with alcohol and distilled at low temperatures, the alcohol absorbs the fragrance and when the alcohol is evaporated off an aromatic absolute remains. This method is used on delicate flowers and it is a relatively time consuming process.

**Aroma profiling**

Volatile compounds obtained from jasmine flowers are concentrated by headspace solid phase micro extraction and analyzed by MS-GC. HS extraction can be done by SPME fiber which can directly analyze the different contents present.

A commercial library (NIST) and an FFC (Flavor and Fragrance Components) bank provided with Linear Retention Indices are used interactively with MS data for compounds identification.

## **X. Working group details**

The test guidelines were developed by the Principal Investigators at the Nodal centre at ICAR-Indian Institute of Horticultural Research, Hessaraghatta, Co-nodal centre at Tamil Nadu Agricultural University and the Task Force (11/2011) constituted by the PPV&FR Authority. Technical input was also provided by Dr. Kameshwar Rao, Retired Taxonomist of Bangalore University and Dr. Ravi Prakash, Registrar, PPV&FRA.

### **The Members of the Task Force:**

- 1. Dr. M. Kannan** **Chairman**  
Professor (Horticulture) and Head  
Department of Floriculture and Landscaping,  
Tamil Nadu Agricultural University, Coimbatore-641 003.
- 2. Dr. Sujatha A. Nair** **Member**  
Principal Scientist &  
Principal Investigator (DUS Jasmine Nodal Centre)  
ICAR-Indian Institute of Horticultural Research,  
Hessaraghatta, Bangalore – 560 089.
- 3. Dr. M. Ganga** **Member**  
Assistant Professor (Horticulture) &  
Principal Investigator (DUS Jasmine Co-Nodal Centre)  
Department of Floriculture and Landscaping,  
Tamil Nadu Agricultural University, Coimbatore-641 003.
- 4. Dr. M. Jawaharlal** **Member**  
Dean, HC & RI for Women &  
Co-PI (DUS Jasmine Co-Nodal Centre)  
Navalur Kuttapattu, Tamil Nadu Agricultural University,  
Trichy - 620009.
- 5. Dr. Ravi Prakash** **Member Secretary**  
Registrar, PPV & FRA,  
NASC Complex, New Delhi

### **XI. Name of DUS Test Centres:**

<b>Nodal DUS Centre</b>	<b>Co-Nodal Centre</b>
Division of Ornamental Crops, ICAR-Indian Institute of Horticultural Research, Hessaraghatta Lake Post, Bangalore - 560089.	Department of Floriculture and Landscaping, Horticultural College & Research Institute, Tamil Nadu Agricultural University, Coimbatore - 641003

## **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 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.

\*Farmer(s) are exempted from payment of any fee in proceeding Under Section 44 of PPV&FRAct,2001.

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

1. Application No. 

N89	GB3	08	314
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 filed on 03.04.2008 by **Monsanto Holdings Pvt. Ltd, Ahura Centre, 5<sup>th</sup> floor, 96, Mahakali Caves Road, Andheri (East), Mumbai-400093** for a New of crop **Tetraploid Cotton** [*Gossypium barbadense* L.] having denomination **G0898516** 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** : **G0898516**  
**Applicant** : **Monsanto Holdings Pvt. Ltd.**  
**Address of the Applicant** : **Ahura Centre, 5<sup>th</sup> floor, 96, Mahakali Caves Road, Andheri (East), Mumbai-400093**

**Nationality of Applicant** : **Indian**

**Application details**

N89	GB3	08	314
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a. Number  
b. Date of receipt : 03.04.2008  
c. Date of acceptance : --

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

**Denomination** : G0898516

**Type of Variety** : New

**Classification of Variety** : Others (Specify)

**Previously proposed** : Not applicable

**Denomination**

**Name of Parental Material** : **Selection from SB289E** (Egyptian type)

**Source of Parental material** : SB289E is a publicly available line, introduce from USSR.

**Name of Reference Varieties** : **Suvin**

**Variety Description:**

A. Group Characteristics	Remarks measured values, example varieties, etc.
Leaf: Shape	Semi-digitate
Flower: Petal colour	Deep yellow
Flower: Pollen colour	Deep yellow
Boll: Shape (longitudinal section)	Elliptic
Fibre: Length (2.5% span length)(mm)	Long
<b>B. Distinct Characteristics: G0898516</b> has distinguishing character as Fibre: Strength(g/tex): <b>Medium</b>	
<b>C. Reference varieties: Suvin</b> has distinguishing character as Fibre: Strength(g/tex): <b>Strong</b>	
<b>D. Date of commercialization of the variety</b>	23/06/2008

<b>E. Agronomic and commercial attributes</b>	The candidate variety, <b>G0898516</b> is an extra long staple (ELS) G. barbadense variety recommended for Karnataka, Tamilnadu, and M.P. states under assured irrigation cultivation. It needs a spacing of 120 x 60 cm in medium to heavy soils and a RDF of 120-60-60 kg NPK per hectare for optimum yields. It is a tall and late variety maturing in 180-190 days. It is moderately susceptible to sucking pests like jassids and thrips but has a good tolerance to foliar diseases. It bears high number of small bolls and has extra long and white fibre.
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**Photographs:** (See Figure.1.)

2. Application No. 

<b>E204</b>	<b>GH29</b>	<b>08</b>	<b>255</b>
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 filed on 02.04.2008 by **Maharashtra Hybrid Seeds Company Limited, Resham Bhavan, 4th Floor, 78, Veer Nariman Road, Mumbai-400020, Maharashtra, India** for a **Extant (VCK)** of crop **Tetraploid Cotton** [*Gossypium hirsutum* L.] having denomination **MRC 6304 Bt** 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** : **MRC 6304 Bt**  
**Applicant** : **Monsanto Holdings Pvt. Ltd.**  
**Address of the Applicant** : **Ahura Centre, 5<sup>th</sup> floor, 96, Mahakali Caves Road, Andheri (East), Mumbai-400093**

**Nationality of Applicant** : Indian

**Application details**

a. Number

<b>E204</b>	<b>GH29</b>	<b>08</b>	<b>255</b>
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b. Date of receipt

: 02.04.2008

c. Date of acceptance

: --

**Crop (Taxonomical Lineage)**

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

**Denomination**

: **MRC 6304 Bt**

**Type of Variety**

: Extant (VCK)

**Classification of Variety**

: transgenic (Hybrid)

**Previously proposed**

: Not applicable

**Denomination**

**Name of Parental Material**

: **C 5185 Bt x C 5187 Bt**

**Source of Parental material**

: **Developed at Mahyco Research farm at various locations across India.**

**Name of Reference Varieties**

: **G. COT 18, NH 545**

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
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:** **MRC 6304 Bt** has distinguishing character as Boll: weight of seed cotton/boll(g): **Large**

<b>C. Reference varieties:</b> G. COT 18 has distinguishing character as Boll: weight of seed cotton/boll(g): <b>Very large</b> , NH 545 has distinguishing character as Boll: weight of seed cotton/boll(g): <b>Medium</b>	
<b>D. Date of commercialization of the variety</b>	Variety was first sold on 19-04-2005 as MRC 6304 Bt
<b>E. Agronomic and commercial attributes</b>	Maturity duration: 160-170(Medium-late maturity), Boll shape: Ovate, Boll size: Large, Boll opening: Open., Fibre length: 29.0-30, Ginning Outturn(%): 35.0-36.0, fluffy boll opening, Good kapas retention, Yield Potential: 1800-2000 kg/ha

**Photographs:** (See Figure-2)

3. Application No. 

<b>N1</b>	<b>AE3</b>	<b>12</b>	<b>144</b>
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 filed on 03.05.2012 by **Advanta India Limited, #8-2-418, 3rd Floor, Krishnama House, Road No. 7, Banjara Hills, Hyderabad-500034.** for a New of crop **Okra** [*Abelmoschus esculentus* (L.) Moench] having denomination **KOMAL 2486**, 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** : **KOMAL 2486**  
**Applicant** : **Advanta India Limited.**  
**Address of the Applicant** : #8-2-418, 3rd Floor, Krishnama House, Road No. 7, Banjara Hills, Hyderabad-500034.

**Nationality of Applicant** : Indian

**Application details**

a. Number : 

<b>N1</b>	<b>AE3</b>	<b>12</b>	<b>144</b>
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b. Date of receipt : 03.05.2012  
c. Date of acceptance : --

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

**Denomination** : KOMAL 2486

**Type of Variety** : New

**Classification of Variety** : Hybrid

**Previously proposed** : Not applicable

**Denomination**

**Name of Parental Material** : AV 273 x AV 237

**Source of Parental material** : **In house Germplasm** of Advanta India Limited.

**Name of Reference Varieties** : Parbhani kranti.

**Variety Description:**

<b>A. Group Characteristics</b>	<b>Remarks measured values, example varieties, etc.</b>
Stem: Colour	Green
Leaf blade: Depth of lobing	Medium
Stem: Number of nodes at first flowering	Few
Fruit : colour	Green
Fruit : Number of locules	<6
Plant: Number of branches	Medium
<b>B. Distinct Characteristics:</b> KOMAL 2486 has distinguishing character as Flowering time (50% of the plants with at least one open flower): <b>Medium</b> , Plant Number of branches: <b>Medium</b>	

<b>C. Reference variety: Parbhani kranti</b> has distinguishing character as Flowering time (50%) of the plants with at least one open flower): <b>Late</b> , Plant Number of branches: <b>Many</b> .	
<b>D. Date of commercialization of the variety</b>	Not commercialized
<b>E. Agronomic and commercial attributes</b>	Plant height: <b>120-150</b> cm(under harvesting conditions), Foliage colour: <b>Green</b> , No. of Branches: <b>3-4</b> , Days to 1 <sup>st</sup> picking: <b>45-47</b> days, Avg. marketable fruit weight: <b>10-12 gm</b> , Fruit colour: <b>Dark green</b> , Fruit shining: <b>Good</b> , No. of locules: <b>5</b> , Marketable fruit length: <b>10-12 cm</b> , Marketable fruit diameter: <b>1.5-1.6 cm</b> , Reaction to diseases tolerance: <b>Moderate tolerant to Yellow vein mosaic virus</b> , Yield: <b>10000-12000 kg/ha Under favourable conditions</b> .

**Photographs:** (See Figure-3)



## **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**

It is hereby advertised that the application (s) for registration of varieties listed herein have been accepted for registration. 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.

All these varieties have been notified under Section 5 of Seeds Act, 1966 and have been filed under the New Category and in accordance with Rule 29(4) and (4A) of PPV&FR Rules, 2003, the same are exempted from DUS testing as the DUS criteria shall be determined based on report of the All India Coordinated Research Project Trials.

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 "The Registrar, PPV & FR Authority" payable at New Delhi.

\*Farmer(s) are exempted from payment of any fee in proceeding Under Section 44 of PPV&FRA Act, 2001.

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

1. Application No. 

<b>N12</b>	<b>PG14</b>	<b>14</b>	<b>1150</b>
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 filed on 13.05.2014 by **Pioneer Overseas Corporation, 3rd & 4th Floor, Babukhans' Millennium Centre, 6-3-1099/1100, Raj Bhavan Road, Somajiguda, Hyderabad-500082, India** for an **New plant variety notified under the Seed Act, 1966** of crop **Pearl Millet (*Pennisetum glaucum (L.) R.Br.*)** having denomination **86M84 (MH1890)** 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 86M84 (MH1890):**





<b>Crop (Taxonomical Lineage)</b>	: Pearl Millet ( <i>Pennisetum glaucum (L.) R.Br.</i> )
<b>Denomination</b>	: 86M84 (MH1890)
<b>Classification of Variety</b>	: Hybrid
<b>Notification Details</b>	: Number: 2238 (E)
	: Dated: 29.06.2016
	: Denomination: 86M84 (MH1890)

**Variety Description:**

<b>Distinct Characteristics: 86M84 (MH1890):</b> has distinguishing characters like Plant Anthocyanin coloration of first leaf sheath: <b>Present</b> , Leaf Sheath length: <b>Long</b> , Spike exertion: <b>Complete</b> , Spike shape: <b>Lanceolate</b> , Spike Tip sterility: <b>Absent</b> , Spike Density: <b>Very compact</b> , Seed Shape: <b>Obovate</b> , Seed Weight of 1000 grains: <b>Very bold.</b>	
<b>Date of commercialization of the variety</b>	Not commercialized

Photographs: (See figure-4)

**Photographs of candidate varieties notified in Plant Variety Journal of India,  
Vol.-10, No.-10, October 04, 2016**

<p><b>COTTON / G0898516</b></p>	<p><b>COTTON / MRC 6304 Bt</b></p>
 <p>A photograph showing a cotton plant in a field. The plant is green with several yellow flowers. A small white label with the number '60898516' is visible in the upper right corner of the image.</p>	 <p>A close-up photograph of a single cotton flower. The petals are a pale yellow color, and the center shows the dark stamens and pistil.</p>
<p>Figure-1. General view</p>	<p>Figure -2. Flower Patel colour: Yellow</p>
<p><b>Okra /K OMAL 2486</b></p>	<p>86M84 (MH1890)</p>
 <p>A photograph of an okra plant in a field. The plant is green and has several branches. A white label with the text 'Komal 2486' is attached to the plant.</p>	 <p>A photograph showing a large pile of okra seeds. The seeds are small, brown, and have an obovate shape.</p>
<p>Figure-3. Plant: Number of branches: Medium (2-4)</p>	<p>Figure-4. Seed Shape: <b>Obovate,</b></p>

