



**ICAR - Indian Institute of Rice Research**  
**Rajendranagar, Hyderabad – 500 030**  
**Email Id: director.iirr@icar.gov.in, Phone: +91-40-24591218**



**Announcement for inviting ‘EXPRESSION OF INTENT - 2022’**

ICAR - IIRR is inviting “**Expression of Intent**” from registered seed growers, companies and producers located in different states of the country for the seed production of following high yielding rice varieties and hybrids developed by ICAR- IIRR, Hyderabad as per the terms and conditions provided in the ‘**Agreement Document**’:

S. No.	Name	Year of release	Recommended States for cultivation	Ecosystem
<b>Varieties</b>				
1	Improved Samba Mahsuri	2008	Andhra Pradesh, Chattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra	Rainfed Shallow Lowland
2	DRR Dhan 39	2010	Odisha, Kerala and Gujarat	Saline/Alkaline Tolerant rice
3	DRR Dhan 42	2015	Bihar, Madhya Pradesh, Chattisgarh, Jharkhand, Telangana, Andhra Pradesh, Puducherry and Tamil Nadu	Irrigated Early and Drought
4	DRR Dhan 43	2015	Tamil Nadu, Puducherry, Karnataka and Kerala	Irrigated Early
5	DRR Dhan 44	2015	Uttarakhand, Haryana and Bihar	Irrigated Early and Drought
6	DRR Dhan 45	2016	Tamil Nadu, Karnataka and Andhra Pradesh	Irrigated medium and Biofortified
7	DRR Dhan 46	2016	Bihar, Madhya Pradesh and Maharashtra	Irrigated mid early
8	DRR Dhan 47	2017	Telangana, Andhra Pradesh, Karnataka, Kerala and Puducherry	Irrigated Early
9	DRR Dhan 48	2017	Telangana, Andhra Pradesh, Karnataka, Kerala and Tamil Nadu	Irrigated medium and Biofortified
10	DRR Dhan 49	2017	Gujarat, Maharashtra and Kerala	Irrigated medium and Biofortified
11	DRR Dhan 50	2017	Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Bihar, Odisha, Chhattisgarh, Uttar Pradesh, Madhya Pradesh	Irrigated Late, Drought and Submergence
12	DRR Dhan 51	2017	Gujarat, Maharashtra, Odisha and Uttar Pradesh	Irrigated medium
13	DRR Dhan 52	2018	Haryana, Gujarat and Odisha	Irrigated Early Transplanted
14	DRR Dhan 53	2020	Telangana, Andhra Pradesh, Tamilnadu, Karnataka, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra	Irrigated medium
15	DRR Dhan 54	2021	Haryana, Gujarat and Odisha	Aerobic

S. No.	Name	Year of release	Recommended States for cultivation	Ecosystem
<b>Varieties</b>				
16	DRR Dhan 55	2021	Bihar (Zone III) and Chhattisgarh (Zone V)	Aerobic
17	DRR Dhan 56	2021		Irrigated
18	DRR Dhan 57	2021	Jharkhand (Zone III) and Chhattisgarh (Zone V)	Aerobic
19	DRR Dhan 58	2021	Telangana, Andhra Pradesh, Tamil Nādu, Karnataka, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra	Irrigated
20	DRR Dhan 59	2021	Telangana, Andhra Pradesh, Tamil Nadu, Karnataka, Jharkhand	Irrigated
21	DRR Dhan 60	2021	Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Odisha, Chhattisgarh, Jharkhand, Bihar, Gujarat and Maharashtra	Irrigated
22	DRR Dhan 62	2021	Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Maharashtra, Odisha, Tamil Nadu and Telangana	Irrigated
23	DRR Dhan 63	2021	Uttar Pradesh & Odisha (Zone III) and Kerala (Zone VII)	Irrigated
24	DRR Dhan 64	2022	Bihar and West Bengal (Zone III)	Irrigated
25	DRR Dhan 65	2022	Telangana, Andhra Pradesh, Chhattisgarh and Punjab	Irrigated
26	DRR Dhan 66	2022	Andhra Pradesh, Telangana and regions growing MTU 1010	Irrigated
<b>Hybrids</b>				
27	DRRH-4	2022	Punjab, Odisha, Chhattisgarh, Tripura and Gujarat	Aerobic

Interested parties are invited to submit their '**EXPRESSION OF INTENT**' on the letterhead of the company to the undersigned, which will be considered for further processing on first come first serve basis. The detailed description of the variety and the Agreement Document can be obtained by email (drritmu@gmail.com) on request. Alternatively, agreement document may also be downloaded from ICAR-IIRR website <https://www.icar-iirr.org>.

Please note that the policy for commercialization of technologies through licensing is under revision at ICAR. The guidelines for the same will be revised as and when the new policy is notified.

For further information, please contact Dr. A.S. Hari Prasad (Incharge ITMU, IIRR), Office Phone No: 040-24591270, Email Id: drritmu@gmail.com.

**Dated:**

(Director)

 31/10/22

### **PAYMENT DETAILS**

<b>Crop: Rice</b>	<b>*Licensing Fee (Rs.)</b>	<b>**PPVFRA Regist. Fee (Rs.)</b>
<i>For each variety</i>	50000 + 18% GST = <b>59,000/-</b>	<b>15000/-</b>
<i>For each hybrid</i>	100000 + 18% GST = <b>1,18,000/-</b>	<b>15000/-</b>
<b>Cost of breeder seed of varieties, A-line, B-line &amp; R-line as per GoI rates to be paid by the LICENSEE at the time of delivery of seed</b>		
<b>Royalty for each variety:</b> @ Rs.25 per kg of breeder seed + (18% GST)		
<b>Royalty for each hybrid parental lines:</b> <ul style="list-style-type: none"><li>• A-line: @ Rs.1,000/- per kg of breeder seed + (18% GST)</li><li>• B-line: @ Rs.500/- per kg of breeder seed + (18% GST)</li><li>• R-line: @ Rs.500/- per kg of breeder seed + (18% GST)</li></ul>		
<b>Basic cost of the seed:</b> The basic cost of the seed will be paid by the LICENSEE at the time of delivery of the breeder seed		
<b>Please note that mode of payment as below</b>		
<b>*Licensing Fee:</b> Net banking transactions as per bank detail given below.		
<b>**PPV&amp;FRA registration Fee:</b> Net banking transactions as per bank detail given below.		
<b>Royalty and basic cost of seed for each variety / hybrid:</b> At the time of delivery of the breeder seed through net banking/online transaction		

### **BANK DETAILS FOR LICENSE FEE**

Name of Office	<b>ICAR - Indian Institute of Rice Research</b> Rajendranagar, Hyderabad – 500 030
Name of Bank & Address	STATE BANK OF INDIA, Near “NIRD Cross Roads”, Rajendranagar, Hyderabad - 500 030
Name of Bank Account	ICAR Unit – Indian Institute of Rice Research
Bank Account No.	52114970145
Nature of Account (Saving / Current)	Current
IFSC Code of Bank	SBIN 0020378
GST Number	36AAALP0448H1Z3

### **BANK DETAILS FOR PPV & FRA REGISTRATION FEE**

Account Name	PPV&FRA, New Delhi
Bank Name	State Bank of India
Account No.	30200604773
IFSC Code	SBIN0005389
Branch Name	NSC Beej Bhawan, Pusa, New Delhi

# Improved Samba Mahsuri (RP Bio-226)

*Variety*



Released for the states	:	Andhra Pradesh, Chattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra
Duration	:	135-140 days
Grain type	:	Medium slender
Yield potential	:	47 to 50 q/ha
Resistant reaction to diseases and insects	:	Highly resistant to bacterial blight
Unique features	:	Bacterial blight resistant, high yielding, fine grain variety possessing premium grain and cooking quality and low level of glycaemic index (50.99)



# DRR Dhan 39

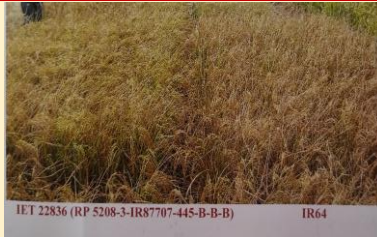
*Variety*



Released for the states	:	Odisha, Kerala and Gujarat
Duration	:	130-135 days
Grain type	:	Long slender
Yield potential	:	~40 q/ha
Resistant reaction to diseases and insects	:	Resistant to Blast, moderately resistant to RTV, BLB, BPH and WBPH, stem borer, leaf folder bacterial leaf blight
Unique features	:	A salinity tolerant medium duration variety

# DRR Dhan 42 (IR 64 Drt 1)

*Variety*



Released for the states	:	Bihar, Madhya Pradesh, Chattisgarh, Jharkhand, Telangana, Andhra Pradesh, Puducherry and Tamil Nadu
Duration	:	120-125 days
Grain type	:	Long slender
Yield potential	:	<ul style="list-style-type: none"> <li>• Yield under irrigated conditions- 65 to 70 q/ha</li> <li>• Yield under moderate drought (25 to 30 rain-free days)- 37 to 45 q/ha</li> <li>• Yield under severe drought (&gt; 35 rain-free days)-20 to 25 q/ha</li> </ul>
Resistant reaction to diseases and insects	:	Resistant to Leaf blast
Unique features	:	This culture is a near isogenic line (NIL) developed in the background popular rice variety IR 64 by introgressing drought yield QTLs viz., <i>qDTY 2.2</i> and <i>qDTY4.1</i> for high-yielding ability under drought stress through marker-assisted selection

# DRR Dhan 43

*Variety*



Released for the states	:	Tamil Nadu, Puducherry, Karnataka and Kerala
Duration	:	110-115 days
Grain type	:	Long bold
Yield potential	:	70-80 q/ha
Resistant reaction to diseases and insects	:	Resistant to blast and moderate resistant to sheath rot and brown spot, neck blast, BPH and field tolerance to stem borer
Unique features	:	A high yielding, early duration, drought tolerant rice variety

# DRR Dhan 44

*Variety*



<b>Released for the states</b>	<b>:</b>	<b>Uttrakhand, Haryana and Bihar</b>
<b>Duration</b>	<b>:</b>	<b>115-120 days</b>
<b>Grain type</b>	<b>:</b>	<b>Long slender</b>
<b>Yield potential</b>	<b>:</b>	<b>~70 q/ha</b>
<b>Resistant reaction to diseases and insects</b>	<b>:</b>	<b>Resistant blast and moderate resistant to BB, BPH and WBPH</b>
<b>Unique features</b>	<b>:</b>	<b>An early duration, high yielding, long slender grain variety suited to transplanted and direct seeded aerobic cultivation with good weed competitive ability</b>



# DRR Dhan 45

*Variety*



Released for the states	:	Tamil Nadu, Karnataka and Andhra Pradesh
Duration	:	125 days
Grain type	:	Long slender
Yield potential	:	~50 q/ha
Resistant reaction to diseases and insects	:	Moderately resistant to blast, sheath rot and rice tungro virus
Unique features	:	High zinc rice variety

# DRR Dhan 46

*Variety*



Released for the states	:	Bihar, Madhya Pradesh and Maharashtra
Duration	:	110-115 days
Grain type	:	Long slender
Yield potential	:	65-70 q/ha
Resistant reaction to diseases and insects	:	Moderate resistance to leaf blast, neck blast, brown spot, BLB, sheath rot, BPH and WBPH
Unique features	:	A high yielding, early duration rice variety for transplanted conditions

# DRR Dhan 47

*Variety*



Released for the states	:	Telangana, Andhra Pradesh, Karnataka, Kerala and Puducherry
Duration	:	110-115 days
Grain type	:	Long slender
Yield potential	:	~60 q/ha
Resistant reaction to diseases and insects	:	Resistant to blast and moderate resistance to neck blast, sheath rot, sheath blight, brown spot and RTD
Unique features	:	Heat tolerance; under artificially elevated temperature (5-8°C) at reproductive stage, DRR Dhan 47 was the highest yielding with yield advantage of 6-39% over all other heat tolerant varieties identified earlier

# DRR Dhan 48

*Variety*



Released for the states	:	Telangana, Andhra Pradesh, Karnataka, Kerala and Tamil Nadu
Duration	:	130-135 days
Grain type	:	Medium slender
Yield potential	:	54-60 q/ha
Resistant reaction to diseases and insects	:	Resistant to Bacterial blight (xa5+xa13+Xa21)
Unique features	:	<ul style="list-style-type: none"> <li>Bio-fortified variety with high zinc content Zinc in polished rice: 22 ppm; in brown rice: 27 ppm.</li> <li>Low glycemic index: 51.1</li> </ul>

# DRR Dhan 49

*Variety*

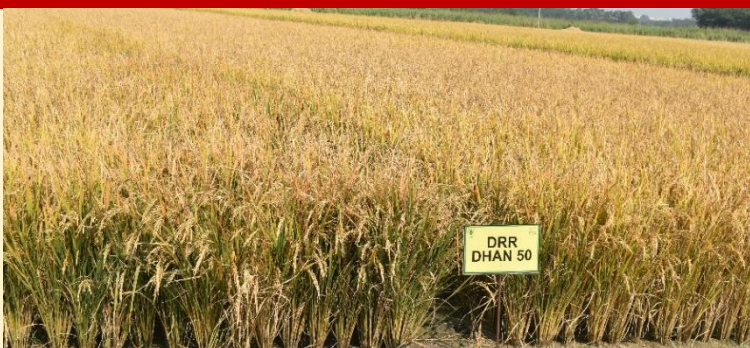


Released for the states	:	Gujarat, Maharashtra and Kerala
Duration	:	125-130 days
Grain type	:	Long slender
Yield potential	:	~50 q/ha
Resistant reaction to diseases and insects	:	Resistant to bacterial leaf blight (xa5+xa13+Xa21)
Unique features	:	<ul style="list-style-type: none"> <li>Bio-fortified variety with high zinc content</li> <li>Zinc in polished rice: 25.2 ppm; in brown rice: 27 ppm</li> </ul>



# DRR Dhan 50

*Variety*



Released for the states	:	Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Bihar, Odisha, Chhattisgarh, Uttar Pradesh, Madhya Pradesh
Duration	:	140-145 days
Grain type	:	Medium slender
Yield potential	:	~61 q/ha
Resistant reaction to diseases and insects	:	Resistant to blast and moderate resistance to neck blast, sheath rot, sheath blight, brown spot and RTD
Unique features	:	Seedling stage submergence tolerance ( <i>Sub1</i> ) and Reproductive ( <i>qDTY2.1+qDTY3.1</i> ) stage drought tolerance

# DRR Dhan 51

*Variety*



Released for the states	:	Gujarat, Maharashtra, Odisha and Uttar Pradesh
Duration	:	130-135 days
Grain type	:	Short bold
Yield potential	:	~62 q/ha
Resistant reaction to diseases and insects	:	Resistant to Leaf Blast
Unique features	:	A high yielding short bold grain variety resistant to blast

# DRR Dhan 52

*Variety*



Released for the states	:	Haryana, Gujarat and Odisha
Duration	:	110-115 days
Grain type	:	Long slender
Yield potential	:	~60 q/ha
Resistant reaction to diseases and insects	:	Resistant to blast and moderate resistance to neck blast, sheath rot, sheath blight, brown spot and RTD
Unique features	:	Heat tolerance; under artificially elevated temperature (5-8°C) at reproductive stage, DRR Dhan 47 was the highest yielding with yield advantage of 6-39% over all other heat tolerant varieties identified earlier

# DRR Dhan 53

*Variety*



Released for the states	:	Released for commercial cultivation in Samba Mahsuri/Improved Samba Mahsuri growing regions of Telangana, Andhra Pradesh, Tamilnadu, Karnataka, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra
Duration	:	130-135 days
Grain type	:	Medium slender
Yield potential	:	~60 q/ha
Resistant reaction to diseases and insects	:	Highly resistant to bacterial blight of rice. It possesses 4 Major BB resistance genes viz., Xa21+xa13+xa5+Xa38
Unique features	:	A high-yielding, bacterial blight resistant, fine-grain type rice variety

# DRR Dhan 54

*Variety*



Released for the states	:	Haryana, Gujarat and Odisha
Duration	:	115-120 days
Grain type	:	Short bold
Yield potential	:	~60 q/ha under transplanted conditions; ~43 q/ha under aerobic conditions
Resistant reaction to diseases and insects	:	Resistant to blast and moderate resistance to neck blast, sheath rot, sheath blight, brown spot and RTD
Unique features	:	Suitable for cultivation under direct seeded aerobic conditions in water limiting areas



# DRR Dhan 55

*Variety*



Released for the states	:	Bihar (Zone III) and Chhattisgarh (Zone V)
Duration	:	125 DAYS
Grain type	:	Long bold
Yield potential	:	49 - 55 q/ha
Resistant reaction to diseases and insects	:	Moderate resistance to Leaf blast and Neck blast. Resistance to gall midge and rice thrips and moderate resistance to plant hoppers.
Unique features	:	Early Direct seeded aerobic rice variety

# DRR Dhan 56

*Variety*



Released for the states	:	Punjab and Haryana States
Duration	:	110-115 days
Grain type	:	Long slender
Yield potential	:	~52 q/ha
Resistant reaction to diseases and insects	:	Resistant to leaf blast (SI: 3.8), bacterial leaf blight (SI: 4.8) and false smut (0.25)
Unique features	:	A High Yielding Long Slender Green Super Rice (GSR) variety

# DRR Dhan 57

*Variety*



Released for the states	:	Jharkhand (Zone III) and Chhattisgarh (Zone V)
Duration	:	120 days
Grain type	:	Long bold
Yield potential	:	47 - 50 q/ha
Resistant reaction to diseases and insects	:	Moderate resistance to Leaf blast and Neck blast. Resistance to gall midge and rice thrips and moderate resistance to plant hoppers and Whorl Maggot.
Unique features	:	Early Direct seeded aerobic rice variety

# DRR Dhan 58

*Variety*



Released for the states	:	Telangana, Andhra Pradesh, Tamil Nādu, Karnataka, Chhattisgarh, Orissa, Jharkhand, Bihar, Gujarat and Maharashtra
Duration	:	130-135 days
Grain type	:	Medium slender
Yield potential	:	~55 q/ha. Under saline conditions, 24% more yield and under saline conditions and 8% under normal conditions.
Resistant reaction to diseases and insects	:	Resistant to bacterial leaf blight
Unique features	:	Salinity tolerant , Bacterial blight resistant, High yielding, Fine-grain type rice variety

# DRR Dhan 59

*Variety*



<b>Released for the states</b>	<b>:</b>	<b>Telangana, Andhra Pradesh, Tamil Nadu, Karnataka, Jharkhand</b>
<b>Duration</b>	<b>:</b>	<b>130-135 days</b>
<b>Grain type</b>	<b>:</b>	<b>Long bold</b>
<b>Yield potential</b>	<b>:</b>	<b>50-55 q/ha</b>
<b>Resistant reaction to diseases and insects</b>	<b>:</b>	<b>Resistant to bacterial leaf blight</b>
<b>Unique features</b>	<b>:</b>	<b>High-yielding, Bacterial blight resistant, long bold-grain type rice variety</b>



# DRR Dhan 60

*Variety*



Released for the states	:	Andhra Pradesh, Telangana, Tamil Nadu, Karnataka, Odisha, Chhattisgarh, Jharkhand, Bihar, Gujarat and Maharashtra.
Duration	:	120-125 days
Grain type	:	Medium slender
Yield potential	:	~52 q/ ha (under 60 kg/ha of P, i.e. recommended dose) and ~48 q/ha (under 40 kg/ha of P)
Resistant reaction to diseases and insects	:	Resistant to bacterial leaf blight
Unique features	:	High-yielding, Low soil phosphorous (P) tolerant (saves 25 % of P fertilizer) Bacterial blight resistant, Fine-grain type rice variety

# DRR Dhan 62

*Variety*



Released for the states	:	Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Jharkhand, Karnataka, Maharashtra, Odisha, Tamil Nadu and Telangana
Duration	:	135-140 days
Grain type	:	Medium slender
Yield potential	:	~61 q/ha
Resistant reaction to diseases and insects	:	Resistant to Leaf Blast, BLB, Neck blast, Brown spot and Sheath rot
Unique features	:	A high yielding fine grain rice variety durable resistant to blast and bacterial blight diseases

# DRR Dhan 63

*Variety*



Released for the states	:	Uttar Pradesh & Odisha (Zone III) and Kerala (Zone VII)
Duration	:	127-130 days
Grain type	:	Short bold
Yield potential	:	~50 q/ha
Resistant reaction to diseases and insects	:	Moderately resistant to leaf and neck blast, bacterial blight, False smut and planthoppers.
Unique features	:	A high yielding Zinc rich rice variety

# DRR Dhan 64

*Variety*



Released for the states	:	Bihar and West Bengal (Zone III)
Duration	:	120 DAYS
Grain type	:	Long slender
Yield potential	:	53 to 60 q/ha
Resistant reaction to diseases and insects	:	Moderate resistance to Leaf blast and Neck blast.
Unique features	:	N use efficient Early Variety

# DRR Dhan 65

*Variety*



<b>Released for the states</b>	<b>:</b>	<b>Telangana, Andhra Pradesh, Chhattisgarh and Punjab</b>
<b>Duration</b>	<b>:</b>	<b>Late duration variety (130-135 days)</b>
<b>Grain type</b>	<b>:</b>	<b>Short bold</b>
<b>Yield potential</b>	<b>:</b>	<b>~60 q/ ha in normal irrigated conditions ~47 q/ha under low P conditions</b>
<b>Resistant reaction to diseases and insects</b>	<b>:</b>	<b>Tolerant reaction to leaf blast, neck blast, sheath blight and BPH</b>
<b>Unique features</b>	<b>:</b>	<b>Low Soil Phosphorous Tolerance, Heat stress Tolerance</b>



# DRR Dhan 66

*Variety*



Released for the states	:	Andhra Pradesh, Telangana and regions growing MTU 1010
Duration	:	120-125 days
Grain type	:	Long slender
Yield potential	:	~43 q/ha (60 kg/ha Phosphorous), ~42 q/ha (40 kg/ha Phosphorous) and ~39 q/ha (20 kg/ha Phosphorous).
Resistant reaction to diseases and insects	:	Moderate resistant to leaf blast
Unique features	:	High-yielding, Low soil phosphorous (P) tolerant (saves 25 % of P fertilizer) Leaf blast resistant, Fine-grain type rice variety

# DRRH-4

*Hybrid*



Released for the states	:	Punjab, Odisha, Chhattisgarh, Tripura and Gujarat
Duration	:	120 days
Grain type	:	Medium slender
Yield potential	:	57 to 63 q/ha
Resistant reaction to diseases and insects	:	Moderate resistance to Leaf blast and Neck blast. Resistance to gall midge and rice thrips and moderate resistance to plant hoppers.
Unique features	:	World's first public bred aerobic rice hybrid with multiple disease resistance.