



Germplasm Registration Information System (GRIS)

(Simple, Transparent and Fast)

ICAR-National Bureau of Plant Genetic Resources (NBPGR)

Indian Council of Agricultural Research (ICAR)

User Guide

User Registration

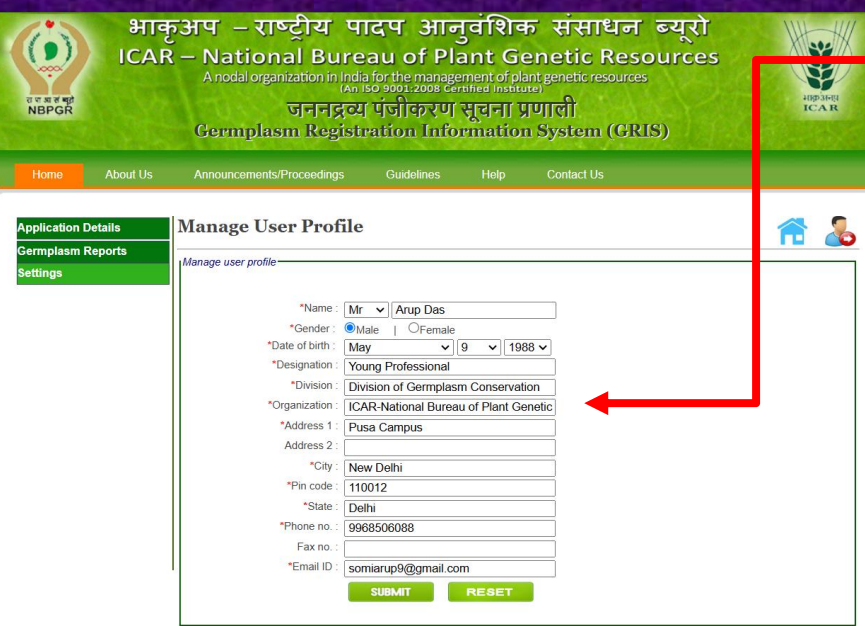
- Individual registration is free.
- Valid **mobile number** and valid **email id** are mandatory to register as individual user.
- Please click on sign up link on home page of www.nbper.ernet.in/registration.
- After successful registration, please check your registered email for your **user name** and **Password**.
- **Please send two sets of hard copy of the application along with documentary evidence duly signed by associates, depositor and Head of the Institute** to the Director, ICAR-NBPGR, New Delhi-110 012, also send the seed samples or a certificate of submission of propagules with respective crop/plant- for establishment/conservation.



Step 1. Home:

To use this system user need to **Sign up** first as you are a new user and fill the registration from properly.

www.nbpgr.ernet.in/registration → Home → Sign up

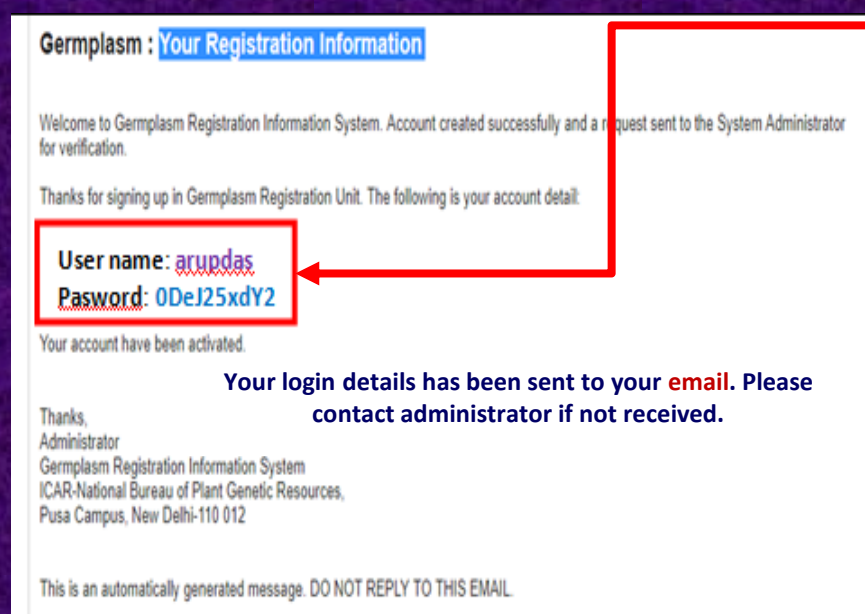


Step 2.

Fill all the required information and click "SUBMIT" button.

After clicking on "SUBMIT" button a **message** will appear and user has to proceed accordingly.

(Home → Sign up → User registration Page open)



Step 3.

After successful registration please check your registered email for your **User name** and **Password**.

The **User name** cannot be changed and hence we recommend that you store this email for your future reference.

User can easily change his current **Password** after successful login.



Step 4.

Now user can go for Login through the **User name** and **Password**.

(Home → User name → Password → "SUBMIT" → Dashboard will be open)

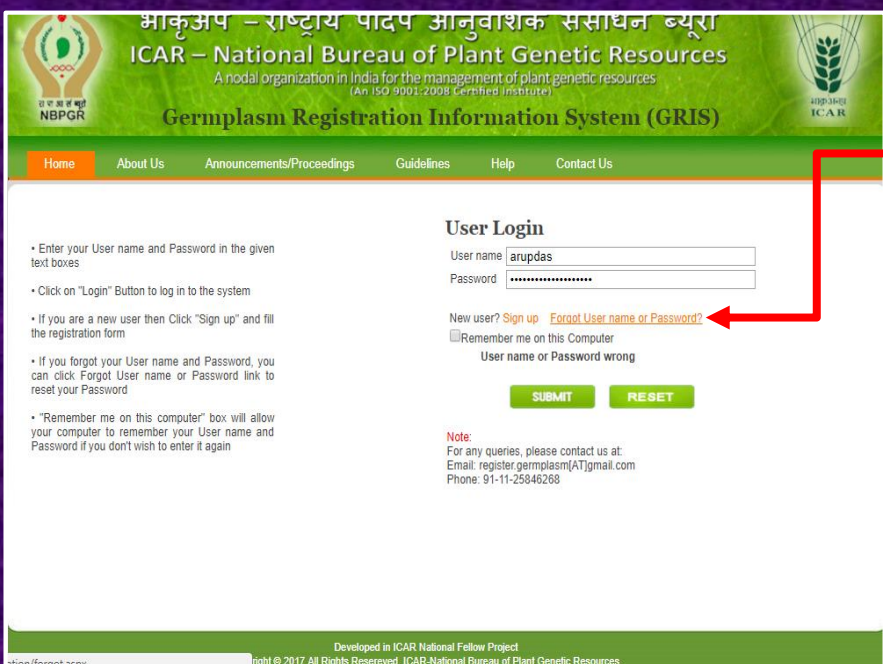


Step 5.

After successful Login now user **Personal Dashboard** will be displayed.

Here user can view details regarding online application submitted through this icon.

- i) Submitted Application
- ii) Deferred Application
- iii) Application for Revision
- iv) Application Recommended
- v) Application Not Recommended



Step 6.

If you ever forget your Password or fail to Login, you can use the **"Forgot User name or Password" link** available on the Home page of the site.

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Trouble Accessing your Account?

Forgot your User name or Password? Enter your registered Email ID and your date of birth below. We will send you an Email with a link to reset your Password.

Security Check

Enter your registered Email ID and date of birth below:

Enter your Email ID :

Enter your Date of Birth : | |

SUBMIT

Note : If above provided details match, we shall send you a link on your Email ID to reset your Password. If you are still facing problems or don't remember your details, please Email your details to register.germplasm@gmail.com to get your account details.

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Step 7.

To reset your password the '**Forgot User name or Password**' link will send on your **Email ID** Please fill the **required information** and details and set new password.

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Registration of Plant Germplasm

The need for recognition to the developers of new improved varieties is being served by the Central Sub-Committees on Crop Standards, Notification and Release of Varieties of Agricultural Crops (CVRC) as part of the Indian National Agricultural Research System (NARS). Further, the enactment of Protection of Plant Varieties and Farmers' Rights Act (PPV&FRA) 2001 provides for protection of the intellectual property rights of plants breeders and farmers involved in development of plant varieties.

The Indian Council of Agricultural Research (ICAR) operates the mechanism for evaluation, identification and recommendation for release of crop varieties. The Ministry of Agriculture under the Seed Act, 1966, Section 5 provides procedure for notification of released varieties through CVRC and ensures production and sale of seeds meeting the Minimum Seed Certification Standards.

Plant Genetic Resources for Food and Agriculture (PGRFA) form the basis for genetic improvement of crop species in development of new varieties. Hence, it was realized that due recognition should be accorded to the persons/institutions who are associated with the development and identification of improved or unique potentially valuable germplasm and genetic stocks. It is also desirable from the point of changed world scenario of Intellectual Property Rights (IPR) regimes to inventorize, document and bring all the important genetic resources into public domain, facilitating their safe and accelerated use in research and crop improvement.

Recognizing the importance of the issue, a mechanism for "Registration of Plant Germplasm" was instituted in 1996 at the ICAR-National Bureau of Plant Genetic Resources (NBPGR), New Delhi by the ICAR. This mechanism is envisaged to serve as a recognized tool for registration of PGRFA at national level. This would also provide facilitated access to the developed or identified potentially valuable germplasm for utilization in crop improvement programmes. Since the institution of this mechanism, 36 meetings have been held and a total of 1,313 germplasm belonging to 209 crop species have been registered. The present revision of the guidelines is an effort towards simplification and inclusion of provision required as per the changing scenario for submission of application and seed/genetic material, recommended by Plant Germplasm Registration Committee (PGRC).

Germplasm Registration Information System

An organized digital information system provides fair and just opportunity for all to access. Information systems facilitate efficient PGR management and enhanced utilization. The Germplasm Registration Information System has been developed to make the entire process of germplasm registration submission of application, evaluation by experts and access to the developed or identified potentially valuable germplasm for utilization in crop improvement programmes, easy and fast. The system is expected to provide genebank managers, breeders and plant researchers with a hands-on tool for management of germplasm registration process, and to policy makers with a reliable source of information. With the advent of this system, it is expected that the entire process of germplasm registration is made simple, transparent and fast.

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About Us:

An organized digital information system provides fair and just opportunity for all to access to provide genebank managers, breeders and plant researchers with a hands-on tool for management of germplasm registration process.

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Announcements

- Last date of receiving application is 30 April 2016
- The next meeting will be held on 9th May 2016

[View all](#)

Proceedings of Plant Germplasm Registration Committee (PGRC) Meeting

- XXXVIth PGRC Meeting
- XXXVth PGRC Meeting
- XXXIVth PGRC Meeting
- XXXIIIrd PGRC Meeting
- XXXIIth PGRC Meeting
- XXXIth PGRC Meeting
- XXXth PGRC Meeting
- XXIXth PGRC Meeting
- XXVIIIth PGRC Meeting
- XXVIIth PGRC Meeting

[View all](#)

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Announcements/Proceedings:

Here user can see the latest **announcements** reg. Plant Germplasm Registration Committee (PGRC) Meeting and user can see all the **previous PGRC meeting proceedings** including latest.

User can download the proceedings and save it for future use.



Guidelines (Approved by ICAR):

During filing new registration application if user have any queries reg. data, seed, NAG sites and terms & conditions *etc.* user can click on the guidelines option.

User download the guidelines and save it for his future use.



Help:

This is where you are right now.

The objective is to provide a step by step procedure and to explain each part of the Germplasm Registration Information System (GRIS).



Contact Us:

Information contained in the Germplasm Registration Information System (GRIS) is a result of Plant Germplasm Registration Committee (PGRC) activities carried out by the ICAR-NBPGR.

If user desires to know more about these activities contact the relevant person whose contact details given below.

Contact Us

Dr. Gyanendra Pratap Singh
Director
ICAR-National Bureau of Plant Genetic Resources
Pusa Campus, New Delhi-110 012, India

Email: director.nbpgr(AT)icar.gov.in
Phone: + 91-11-25843697
Fax: + 91-11-25842495

Dr. Anju Mahendru Singh
Head
Division of Germplasm Conservation
Member-Secretary
Plant Germplasm Registration Committee
ICAR-National Bureau of Plant Genetic Resources
Pusa Campus, New Delhi-110 012, India

E-mail: nbpgr.conserva(AT)icar.gov.in
Phone: + 91-11-25846268
Fax: + 91-11-25842495

Officer-In-Charge
Agriculture Knowledge Management Unit
ICAR National Bureau of Plant Genetic Resources
Pusa Campus, New Delhi-110 012, India

Email: akmu.nbpgr(AT)icar.gov.in
Fax: + 91-11-25842495

About Your Personal Dashboard

The screenshot shows the user's personal dashboard. At the top, there is a header with the ICAR logo and text in Hindi and English: 'भाकृअप - राष्ट्रीय पादप आनुवंशिक ससाधन ब्यूरो' and 'ICAR - National Bureau of Plant Genetic Resources'. Below this is a navigation bar with links: Home, About Us, Announcements/Proceedings, Guidelines, Help, and Contact Us. The main content area is titled 'Welcome Mr Arup Das' and features five application status cards: Submitted Application (1), Deferred Application (0), Application for Revision (0), Application Recommended (1), and Application Not Recommended (0). A sidebar on the left contains links for Application Details, Germplasm Reports, and Settings. A red arrow points from the 'User Personal Dashboard view:' text to the 'Submitted Application' card.

User Personal Dashboard view:

After successful Login in Germplasm Registration Information System (GRIS) User own dashboard will be displayed as shown.

Here user can see his **submitted application status**, **Preview of application** and **certificates** and user can also **manage his profile** etc.

The screenshot shows the 'Application for Registration of Plant Germplasm' page. It features a header with the ICAR logo and text in Hindi and English. Below the header is a navigation bar with links: Home, About Us, Announcements/Proceedings, Guidelines, Help, and Contact Us. The main content area is titled 'Application for Registration of Plant Germplasm' and features three application status cards: New Application, Incomplete Application, and Revised Application. A sidebar on the left contains links for Application Details, Germplasm Reports, and Settings. A red arrow points from the 'Here user can see three Icons:' text to the three application status cards.

Here user can see three **Icons:**

A. New Application:

When user want to apply or register a new application.

B. Incomplete Application:

Here user can see the applications which the administrator sent back for completion and also applications which were left without final submission from the user end.

C. Revised Application:

Here user can see those applications, which were deferred by Plant Germplasm Registration Committee (PGRC) and recommended for revision.

[Application Details](#) → [Germplasm registration](#)

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Application Details
 Germplasm Reports
 All application list
 Settings

Application List

Report option details

Application type: (Dropdown menu: New, Approved, Not Approved, Revised)

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To preview the application:

Germplasm Reports → All application list → Click on application type-Select (New, Approved, Not Approved and Revised) then click "SUBMIT" button-Dialog box open-Click on action button and see the preview of your application which is submitted by you.

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Change Password

Change password

Old password:

New password:

Confirm new password:

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To Change Password:

Settings → Click on Change Password → After doing the needful then click "SUBMIT" button-New password will be set.

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Manage User Profile

Manage user profile

*Name:

*Gender: Male Female

*Date of birth:

*Designation:

*Division:

*Organization:

*Address 1:

Address 2:

*City:

*Pin code:

*State:

*Phone no.:

Fax no.:

*Email ID:

To Manage User Profile :

Settings → Click on Manage user profile → User profile open-Update your profile then click on "SUBMIT" button-Profile will update automatically.

How to Apply for Plant Germplasm Registration

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Settings

Application for Registration of Plant Germplasm

NEW
New Application

Incomplete
Application

Revised
Application

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To Apply for a New Registration of Application:

For filling new registration application the user has to follow the steps given below:

Application details → Germplasm registration → New Application-First page will open and Plant germplasm registration proforma will be displayed.

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Registration of Plant Germplasm

Primary Information Developer Passport & Pedigree Information Remarks Attachment Undertaking & Submit

Application of germplasm

Botanical name: Oryza sativa Crop name: Rice

Crop group name: Cereals Application status: New

Biological status of the material to be registered: Genetic Stock Nature of genetic material: Seed

Identity: CR-143-2-2 Quantity deposited: 4000 seeds

Criteria for registration (unique feature(s) maximum three): Rice breeding line tolerant to both vegetative as well as reproductive stage drought stress

Material value: Scientific Commercial Academic Other

Basis of eligibility: Published with peer review Institute annual report All India co-ordinated trials data Any other report

Has it been registered/protected anywhere? No

Save & Continue

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Step 1.

This is the first page of registration application i.e **Primary Information page.**

Here user need to provide/select/mention the primary information regarding the particular crop.

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Registration of Plant Germplasm

1 Primary Information 2 **Developer** 3 Passport & Pedigree Information 4 Remarks 5 Attachment 6 Undertaking & Submit

Name and address of the corresponding person (Developer/Depositor) *

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.
Mr	Arup Das	Technical Assis	Division of Germplasm	0112569874	0112569874	somiarup9@gmail	9968506081

Particulars of the scientist(s)/person(s)/organization/farmer/farming community who developed germplasm/genetic stock *

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.	Action
Dr	P Swain	Principal Scientist	ICAR-National Rice Research Institute (NRI) Cuttack, Odisha	6712367777	6712367863	swainp_cri@yahoo.com	9856895889	
Dr	O N Singh	Principal Scientist & Head	Crop Improvement Division, ICAR-National Rice Research Institute (NRI) Cuttack, Odisha	6712367777	6712367863	onsingh01@yahoo.com	9784589999	
Dr	M J Baig	Principal Scientist	ICAR-National Rice Research Institute (NRI) Cuttack, Odisha	6712367777	6712367863	mjbaircri@gmail.com	9658496588	
Dr	N P Mandal	Principal Scientist	NRI-Central Rainfed Upland Rice Research Station (CRURRS) Hazaribagh, Jharkhand	9136128270	9136128270	aks0215@gmail.com	9689445888	
Dr	Name *	Designation *	Address *	Telephone	Fax	Email	Mobile	Add

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Step 2.

This is the second page of registration application i.e **Developer Information page.**

Here the user need to provide/select/mention the contact information of the developers.

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Registration of Plant Germplasm

1 Primary Information 2 Developer 3 **Passport & Pedigree Information** 4 Remarks 5 Attachment 6 Undertaking & Submit

Passport information of germplasm *

Is national identity available (IC/EC) * Yes No

IC/EC	IC/EC No.	Other identity	Source	Place of origin Tehsil/Dist/State	Gene identified, if any	Action
IC	513420	/CR 143-2-2	CRRI, Cuttack	Bidyadharpur Cuttack, Odisha		

Farmers/Community contribution, if any (Max. 500 character)

None

Pedigree of the genetic stock

Breeding method * Pedigree Selection

Pedigree * Bala x Lalnakanda 41

Other information

Usefulness of identified germplasm/genetic stock * (Max. 500 character)

The breeding line (CR 143-2-2) was developed at ICAR-NRI, Cuttack by making a cross between Bala x Lalnakanda 41 following pedigree selection method. This showed tolerance to vegetative as well as reproductive stage drought stress consistently for several years after rigorous screening under simulated moisture stress in the field in NRI Main Institute and its substation CRURRS, Hazaribagh. Under simulated stress during vegetative and reproductive stage, CR 143-2-2 was observed to be tolerant with least leaf death score of SES "0" and

Year of seed production * 2015-16 Season of seed production * kharif

Location of seed production * ICAR-National Rice Research Instit Quantity of available seed (Qty. of seed with unit) 5 kg

Seed viability (%) * 90% Seed deposited in National Genebank * Yes No

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Step 3.

This is the third page of registration application i.e **Passport & Pedigree Information page.**

Here the user provide/select/mention the Passport & Pedigree of the germplasm.

Please keep in mind that if user have **already submitted the material and have National Identity** Please select option **"Yes"** button and **provide allotted national Identity no.** then **information will be automatically filled** as it is connected with the PGR database.

Cont.....

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Passport information of germplasm

Is national identity available(IC/EC) * Yes No

IC/EC	IC/EC No.	Other identity	Source	Place of origin Tehsil/Distri/State	Gene identified, if any	Action
IC		/CR 143-2-2	CRR1, Cuttack	Bidyadharpur Cuttack,Odisha		Add

Farmers/Community contribution, if any (Max. 500 character)

NA

Pedigree of the genetic stock

Breeding method * Pedigree Selection

Pedigree * Bala x Lalnakanda 41

Indigenous-Exotic Details

Nature of material Indigenous Exotic

Coil-No **

Other-ID ** CR 143-2-2

Source CRR1, Cuttack

Village

Mandal Bidyadharpur

District Cuttack

State * Odisha

Any other details

Save Cancel

Other information

Usefulness of identified germplasm/genetic stock * (Max. 500 character)

The breeding line (CR 143-2-2) was developed at ICAR-NRRI, Cuttack by making a cross between Bala x Lalnakanda 41 following pedigree selection method. This showed tolerance to vegetative as well as reproductive stage drought stress consistently for several years after rigorous screening under simulated moisture stress in the field in NRRI Main Institute and its substation CRURRS, Hazaribag. Under simulated stress during vegetative and reproductive stage, CR 143-2-2 was observed to be tolerant with least leaf death score of SES "0" and

Year of seed production * 2015-16 Season of seed production * kharif

Location of seed production * ICAR-National Rice Research Instit Quantity of available seed (Qty. of seed with unit) 5 kg

Seed viability (%) * 90% Seed deposited in National Genebank * Yes No

Material available at * ICAR-National Rice Research Instit

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Step 3.

If user does not have National Identity of the germplasm/material, Please select option "No". New dialog box will be open in the same page and user can provide the required information and save, which will be automatically fill in particular box/column.

User should not to forget the deposition of seeds/NAGS certificate at the time of submitting hard copies at ICAR-NBPGR.

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Manuscript (one-page note on proposed germplasm enclosed)* (Attach pdf file only)

Choose file No file chosen [Instructions for manuscript](#)

Salient characteristics/chief botanical and morpho-agronomic description (Max. 500 character)

**Provide Salient characteristics/chief botanical and morpho-agronomic description of the material as per AICRP proforma.

Additional information/Remarks (if any) (Max. 500 character)

The breeding line (cr 143-2-2) was developed at NRRI by making a cross between Bala x Lalnakanda 41 and subsequently following pedigree selection method.

Recommendation of Institute's Germplasm Identification Committee * (Attach pdf file only)

Choose file No file chosen

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Step 4.

This is the fourth page of registration application i.e **Remarks page.**

Here the user need to provide/select/choose as an attachment "one page note" on proposed germplasm and "IGIC recommendation" PDF files only.

1 Primary Information 2 Developer 3 Passport & Pedigree Information 4 Remarks 5 Attachment 6 Undertaking & Submit

* marked fields are mandatory

File attachment details

Please attach documentary proof as pdf files only in support of the trait(s) claimed

Attachment title *

Annual report-2014-15 After attaching every file click upload button

Choose file | No file chosen

Open

ppp-Arup-GRIS-13-6-2017 > PDF File

Name	Date modified	Type
Additional data	03-05-2017 08:15	PDF File
Annual report-2011-12-Arup	03-05-2017 08:17	PDF File
Annual report-2014-15	03-05-2017 08:17	PDF File
IGIC recommendation Certificate	03-05-2017 08:19	PDF File
Justification and Photographs-F1 and par...	03-05-2017 08:19	PDF File
Table-1--Arup	03-05-2017 08:19	PDF File
Table-2--Arup	03-05-2017 08:20	PDF File
One page note	13-06-2017 14:19	PDF File

File name: Annual report-2014-15

Step 5.

This is the fifth page of registration application i.e **Attachment page.**

Here the user need to provide/select/choose the **relevant portion as an attachment PDF files only** e.g (AICRP Report or peer reviewed journals with NAAS rating, Photographs/NAGS certificate etc.).

Please keep in mind that after attaching every file you have to **click on upload option.**

For final uploading purposes (see the uploading stages in left side of this page)

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* marked fields are mandatory

File attachment details

Please attach documentary proof as pdf files only in support of the trait(s) claimed

Attachment title *

Annual report-2014-15 After attaching every file click upload button

Choose file | Annual report-2014-15.pdf

Upload

Uploading...

Progress: 50%

Upload bytes: 1240471 of 2555964 Bytes

File name: Annual report-2014-15.pdf

List of uploaded files

Sr. No.	File	Size
No file uploaded		

Total Files: 0 Total Size: 0 K

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1 Primary Information 2 Developer 3 Passport & Pedigree Information 4 Remarks 5 Attachment 6 Undertaking & Submit

* marked fields are mandatory

File attachment details

Please attach documentary proof as pdf files only in support of the trait(s) claimed

Attachment title *

Annual report-2014-15 After attaching every file click upload button

Choose file | No file chosen

Upload

File uploaded successfully.

Progress: 100%

Upload bytes: 2555964 of 2555964 Bytes

File name: Annual report-2014-15.pdf

List of uploaded files

Sr. No.	File	Size
1	Annual report-2014-15	2.44 MB

Total Files: 1 Total Size: 2.44 MB


Previous Save & Continue

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Step 6.

This is the **six page** of registration application i.e **Undertaking & Submit page.**

Here the user need to select the checklist “Yes or No after that accept **term & conditions** and click on the **preview & submit** button to see the final preview before final submit from user end.



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ICAR

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Registration of Plant Germplasm

1 Primary Information 2 Developer 3 Passport & Pedigree Information 4 Remarks 5 Attachment 6 Undertaking & Submit

* marked fields are mandatory

Checklist

Sr. No.	Item	Yes/No
1	Whether this is a new application?	<input checked="" type="radio"/> Yes <input type="radio"/> No
2	Whether this is a revised application?	<input type="radio"/> Yes <input checked="" type="radio"/> No
3	Whether same or similar material has been registered earlier?	<input checked="" type="radio"/> Yes <input type="radio"/> No
4	Whether unique or distinguishing characteristics of potential value merit consideration for registration?	<input checked="" type="radio"/> Yes <input type="radio"/> No
5	Whether documentary evidence or data (as per the guidelines) is provided in support of the claim on potential value of germplasm?	<input checked="" type="radio"/> Yes <input type="radio"/> No
6	State any other economic potential value of germplasm, if possible.	<input type="radio"/> Yes <input checked="" type="radio"/> No
7	Whether applicant, institution, university or centre has given a commitment for maintenance and supply of germplasm for use?	<input checked="" type="radio"/> Yes <input type="radio"/> No
8	Whether appropriate size of germplasm sample for long-term storage at National Genebank or for conservation and maintenance of active collections at the concerned NAGS has been sent?	<input checked="" type="radio"/> Yes <input type="radio"/> No
9	Whether the applicant has sent maintainer line of the CMS line to the National Genebank?	<input type="radio"/> Yes <input checked="" type="radio"/> NA
10	Whether all the proposers signed the declaration regarding evaluation of the germplasm/genetic stock under hot spots/under artificial (epiphytotic) conditions?	<input type="radio"/> Yes <input checked="" type="radio"/> NA
11	Whether acknowledgement receipt of germplasm from concerned NAGS for deposition and establishment is attached, wherever required?	<input type="radio"/> Yes <input checked="" type="radio"/> NA
12	Whether detailed address of the corresponding person is given?	<input checked="" type="radio"/> Yes <input type="radio"/> No
13	Whether recommendations of IGIC (Institute Germplasm Identification Committee) attached?	<input checked="" type="radio"/> Yes <input type="radio"/> No
14	Whether competent Authority of the institute has duly endorsed the application?	<input checked="" type="radio"/> Yes <input type="radio"/> No

UNDERTAKING

1. I/We undertake to ensure deposition of seed/genetic material for long term conservation of the aforesaid germplasm/genetic stock at the National Genebank, ICAR-NBPGR and also its sustainable use by maintaining appropriate quantity of Active/Working Collection and providing access as appropriate on prior informed consent and on mutually agreed terms. I/We also agree to provide any further information or data pertaining to the description and unique characteristics to the ICAR/NBPGR in a transparent manner.

2. I/We assure genetic purity and truthfulness of seed material supplied with the application.

3. I/We assure that such germplasm does not contain any gene or gene sequence involving terminator technology.

I have read and agreed to the terms and conditions

Mr Arup Das
Young Professional
Division of Germplasm Conservation
ICAR-NBPGR, Pusa Campus -110012, New Delhi

Previous Preview & Submit

Final Preview before Final Submit:

Please select "Final Submit" button after checking the final preview of
 i) Registration application ii) Attachments and iii) Checklist

Registration of Plant Germplasm



Registration Application | Attachment | Application Checklist

Annexure II

Form A Application for Registration of Plant Germplasm (To be submitted to The Director, ICAR-NBPGR, New Delhi-110012) Please refer to guidelines for filling the application form and codes (Annexure II A, B)

1. Application status	New	2. Crop name	Rice
3. Botanical name	<i>Oryza sativa</i>	4. Crop group	Cereals
5. Biological status of the material to be registered	Genetic Stock	6. Identity	CR-143-2-2
7. Criteria for registration [unique feature(s) maximum three]	Rice breeding line tolerant to both vegetative as well as reproductive stage drought stress. Highest grain filling (68%) High water retention capacity (>70%)		
8. Nature of genetic material	Seed	9. Quantity deposited (Actual)	4000 seeds
10. Value referred to	Scientific, Commercial, Other	11. Basis of eligibility	Published with peer review, All India co-ordinated trials data, Institute annual report
12. Has it been registered/protected anywhere?	No	13. Manuscript (one-page note on proposed germplasm enclosed)	<input checked="" type="checkbox"/> Yes

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.
Dr	P Swain	Principal Scientist	ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	swainp_crrri@yahoo.com	9856895889
Dr	O N Singh	Principal Scientist & Head	Crop Improvement Division, ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	onsingh01@yahoo.com	9784589999
Dr	M J Baig	Principal Scientist	ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	mjbaigcrrri@gmail.com	9658496588
Dr	N P Mandal	Principal Scientist	NRRRI-Central Rainfed Upland Rice Research Station (CRURRS) Hazaribagh, Jharkhand	9136128270	9136128270	aks0215@gmail.com	9689445888

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.
Mr	AKD	Technical Assistant	Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi-110 012	01125698747	0112569874	somiarup9@gmail.com	9968506088

16(A) Passport information of germplasm		Yes	
IC/EC	IC/EC No.	Other Identity	Source
IC	513420	/ CR 143-2-2	CRRI, Cuttack
Farmers/Community contribution, if any		NA	

17. Salient characteristics/chief botanical and morpho-agronomic description		**Provide Salient characteristics/chief botanical and morpho-agronomic description of the material as per AICRP proforma.	
18. Usefulness of identified germplasm/genetic stock		The breeding line (CR 143-2-2) was developed at ICAR-NRRRI, Cuttack by making a cross between Bala x Lainakanda 41 following pedigree selection method. This showed tolerance to vegetative as well as reproductive stage drought stress consistently for several years after rigorous screening under simulated moisture stress in the field in NRRRI Main Institute and its substation CRURRS, Hazaribagh. Under simulated stress during vegetative and reproductive stage, CR 143-2-2 was observed to be tolerant with least leaf death score of SES '0' and '1', had high and stable grain yield of around 2.0 t/ha with lowest reduction in yield (10%), highest drought index (90.3)/lowest drought susceptibility index (0.47), high water retention capacity (>70%), highest grain filling (68%) with less impaired translocation at 10-13% soil moisture content and soil moisture tension of -55 to -60 kPa during the stress period (Ramakrishnaya and Swain, 2005; Swain et al., 2013). This line CR 143-2-2 was also	

19. Year of seed production	2015-16	20. Location of seed production	ICAR-National Rice Research Institute (NRRRI), Cuttack, Odisha
21. Quantity of available seed	5 kg	22. Seed viability (%)	90%
23. Additional information/Remarks (if any)	The breeding line (cr 143-2-2) was developed at NRRRI by making a cross between Bala x Lainakanda 41 and subsequently following pedigree selection method.		
24. Recommendation of Institute's Germplasm Identification Committee	<input checked="" type="checkbox"/> Yes		
25. Season of seed production	kharif	27. Material available at	ICAR-National Rice Research Institute (NRRRI), Cuttack, Odisha
26. Seed deposited in National Genbank	No		

UNDERTAKING

- I/We undertake to ensure deposition of seed/genetic material for long term conservation of the aforesaid germplasm/genetic stock at the National Genbank, ICAR-NBPGR and also its sustainable use by maintaining appropriate quantity of Active/Working Collection and providing access as appropriate on prior informed consent and on mutually agreed terms. I/We also agree to provide any further information or data pertaining to the description and unique characteristics to the ICAR/NBPGR in a transparent manner.
- I/We assure genetic purity and truthfulness of seed material supplied with the application.
- I/We assure that such germplasm does not contain any gene or gene sequence involving terminator technology.

I have read and agreed to the terms and conditions

SIGNATURE OF THE ASSOCIATES

Dr P Swain
Principal Scientist
ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha

Dr O N Singh
Principal Scientist & Head
Crop Improvement Division, ICAR-National Rice Research Institute (NRRRI)
Cuttack, Odisha

Dr M J Baig
Principal Scientist
ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha

Dr N P Mandal
Principal Scientist
NRRRI-Central Rainfed Upland Rice Research Station (CRURRS) Hazaribagh,
Jharkhand

SIGNATURE OF THE DEPOSITOR

Mr Arup Das
Young Professional
Division of Germplasm Conservation
ICAR-NBPGR, Pusa Campus -110012, New Delhi

COUNTERSIGNED BY HEAD OF THE INSTITUTE

Signature (SEAL)

Full Name:
Designation & Address:

Please send two sets of hard copy of the application along with documentary evidence duly signed by associates, depositor and Head of the Institute to the Director, ICAR-NBPGR, New Delhi-110012, also send the seed samples or a certificate of submission of propagules with respective crop/plant-based National Active Germplasm Sites (NAGS) for establishment/conservation.

Previous

Final Submit

For Print:

After final submit you can take print as per need.

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Registration of Plant Germplasm

Annexure II

Form A
Application for Registration of Plant Germplasm
 (To be submitted to The Director, ICAR-NBPGR, New Delhi-110012)
 Please refer to guidelines for filling the application form and codes (Annexure II A, B)

Application No. R1952617004 **Date of Application** 25 Jul 2017

1. Application status New **2. Crop name** Rice
3. Botanical name *Oryza sativa* **4. Crop group** Cereals
5. Biological status of the material to be registered Genetic Stock **6. Identity** CR 143-2-2
7. Criteria for registration [unique feature(s) maximum three] Rice breeding line tolerant to both vegetative as well as reproductive stage drought stress.
 Highest grain filling (68%)
 High water retention capacity (>70%)
8. Nature of genetic material Seed **9. Quantity deposited (Actual)** 4000 seeds
10. Value referred to Scientific, Commercial, Other **11. Basis of eligibility** Published with peer review, All India co-ordinated trials data, Institute annual report
12. Has it been registered/protected anywhere? No **13. Manuscript (one-page note on proposed germplasm enclosed)** Yes

14. Particulars of the scientist(s)/person(s)/organization/farmer/farming community who developed germplasm/genetic stock

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.
Dr	P Swain	Principal Scientist	ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	swainp_crri@yahoo.com	9856895889
Dr	O N Singh	Principal Scientist & Head	Crop Improvement Division, ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	onsingh01@yahoo.com	9784589999
Dr	M J Baig	Principal Scientist	ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha	6712367777	6712367663	mjbaircrri@gmail.com	9658496588
Dr	N P Mandal	Principal Scientist	NRRRI-Central Rainfed Upland Rice Research Station (CRURRS), Hazaribagh, Jharkhand	9136128270	9136128270	aks0215@gmail.com	9689445888

15. Name and address of the corresponding person (Developer/Depositor)

Title	Name	Designation	Address	Telephone	Fax	Email	Mobile No.
Mr	AKD	Technical Assistant	Division of Germplasm Conservation, ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi-110 012	01125698747	0112569874	somiarup9@gmail.com	9968506088

16(A) Passport information of germplasm No

IC/EC	IC/EC No.	Other identity	Source	Place of origin Tehsil/Dist/State	Gene identified, if any
IC	5013420	/ CR 143-2-2	CRRI, Cuttack	Bidyadharpur Cuttack, Odisha	

Farmers/Community contribution, if any NA

(B) Pedigree of the genetic stock

Pedigree	Breeding method
Bala x Lainakanda 41	Pedigree Selection

17. Salient characteristics/chief botanical and morpho-agronomic description **Provide Salient characteristics/chief botanical and morpho-agronomic description of the material as per AICRP proforma.

18. Usefulness of identified germplasm/genetic stock The breeding line (CR 143-2-2) was developed at ICAR-NRRRI, Cuttack by making a cross between Bala x Lainakanda 41 following pedigree selection method. This showed tolerance to vegetative as well as reproductive stage drought stress consistently for several years after rigorous screening under simulated moisture stress in the field in NRRRI Main Institute and its substation CRURRS, Hazaribagh. Under simulated stress during vegetative and reproductive stage, CR 143-2-2 was observed to be tolerant with least leaf death score of SES "0" and "1", had high and stable grain yield of around 2.0 t/ha with lowest reduction in yield (10%), highest drought index (90.3)/lowest drought susceptibility index (0.47), high water retention capacity (>70%), highest grain filling (68%) with less impaired translocation at 10-13% soil moisture content and soil moisture tension of -55 to -60 kPa during the stress period (Ramakrishnaya and Swain, 2005; Swain et al., 2013). This line CR 143-2-2 was also

19. Year of seed production 2015-16 **20. Location of seed production** ICAR-National Rice Research Institute (NRRRI), Cuttack, Odisha

21. Quantity of available seed 5 kg **22. Seed viability (%)** 90%

23. Additional information/Remarks (if any) The breeding line (cr 143-2-2) was developed at NRRRI by making a cross between Bala x Lainakanda 41 and subsequently following pedigree selection method.

24. Recommendation of Institute's Germplasm Identification Committee Yes

25. Season of seed production kharif **27. Material available at** ICAR-National Rice Research Institute (NRRRI), Cuttack, Odisha

26. Seed deposited in National Genebank No

UNDERTAKING

1. I/We undertake to ensure deposition of seed/genetic material for long term conservation of the aforesaid germplasm/genetic stock at the National Genebank, ICAR-NBPGR and also its sustainable use by maintaining appropriate quantity of Active/Working Collection and providing access as appropriate on prior informed consent and on mutually agreed terms. I/We also agree to provide any further information or data pertaining to the description and unique characteristics to the ICAR/NBPGR in a transparent manner.
 2. I/We assure genetic purity and truthfulness of seed material supplied with the application.
 3. I/We assure that such germplasm does not contain any gene or gene sequence involving terminator technology.

I have read and agreed to the terms and conditions

SIGNATURE OF THE ASSOCIATES

Dr P Swain
Principal Scientist
ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha

Dr O N Singh
Principal Scientist & Head
Crop Improvement Division, ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha

Dr M J Baig
Principal Scientist
ICAR-National Rice Research Institute (NRRRI) Cuttack, Odisha

Dr N P Mandal
Principal Scientist
NRRRI-Central Rainfed Upland Rice Research Station (CRURRS), Hazaribagh, Jharkhand

SIGNATURE OF THE DEPOSITOR
 Mr Arup Das
Young Professional
Division of Germplasm Conservation
ICAR-NBPGR, Pusa Campus -110012, New Delhi

COUNTERSIGNED BY HEAD OF THE INSTITUTE

Signature (SEAL)

Full Name:
Designation & Address:

Please send two sets of hard copy of the application along with documentary evidence duly signed by associates, depositor and Head of the Institute to the Director, ICAR-NBPGR, New Delhi-110 012. also send the seed samples or a certificate of submission of propagules with respective crop/plant-based National Active Germplasm Sites (NAGS) for establishment/conservation.

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Dashboard view (After submission of application):

User dashboard will be displayed as shown.

The screenshot displays the user dashboard for Mr Arup Das. The header includes the ICAR logo and the text 'भाकृअप - राष्ट्रीय पादप आनुवंशिक संसाधन ब्यूरो' and 'ICAR - National Bureau of Plant Genetic Resources'. Below the header is a navigation menu with 'Home', 'About Us', 'Announcements/Proceedings', 'Guidelines', 'Help', and 'Contact Us'. The main content area features a sidebar with 'Application Details', 'Germplasm Reports', and 'Settings'. The main dashboard area shows a welcome message and five application status cards:

Application Status	Count
Submitted Application	1
Deferred Application	0
Application for Revision	0
Application Recommended	0
Application Not Recommended	0

Checking Information of Submitted Applications

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Application List

Report option details

Application type :

SUBMIT

Action	Reg. Id	Botanical name	Crop	Crop group	Reg. date
	R1952617001	Oryza sativa	Rice	Cereals	10 Jul 2
	R1952617004	Oryza sativa	Rice	Cereals	25 Jul 2

Registration application details

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To see the detail/preview of submitted application.

Just after submission of the online application user can view/check his application using the steps given below.

Germplasm Reports → All Application list → Select application type (e.g. "New") → Click on action button and see the details.

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Welcome Mr Arup Das

Submitted Application: 0

Deferred Application: 1

Application for Revision: 1

Application Recommended: 0

Application Not Recommended: 0

Dashboard view (When an application will be deferred or recommended for revision):

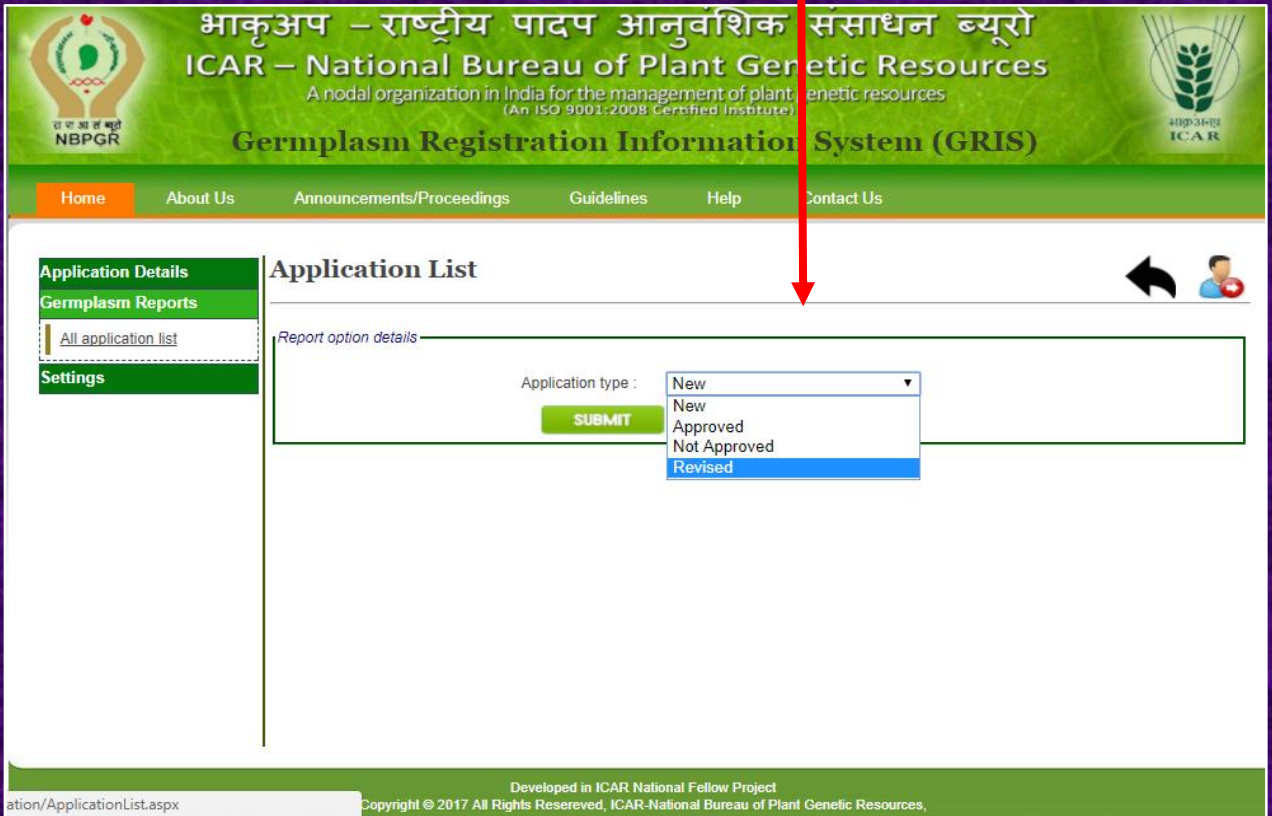
Here user can see those applications, which were deferred by Plant Germplasm Registration Committee (PGRC) and recommended for revision

User can attached additional data, Justification, Clarification etc.

(see the next slides).

Germplasm Reports → **All Application list** → **Select application type from pop up menu (e.g. Revised)** → **"SUBMIT"** button.

One dialog box will be open where user need to copy **Reg. Id and Reg. date** for editing the application and for uploading the additional data/clarification/justification.



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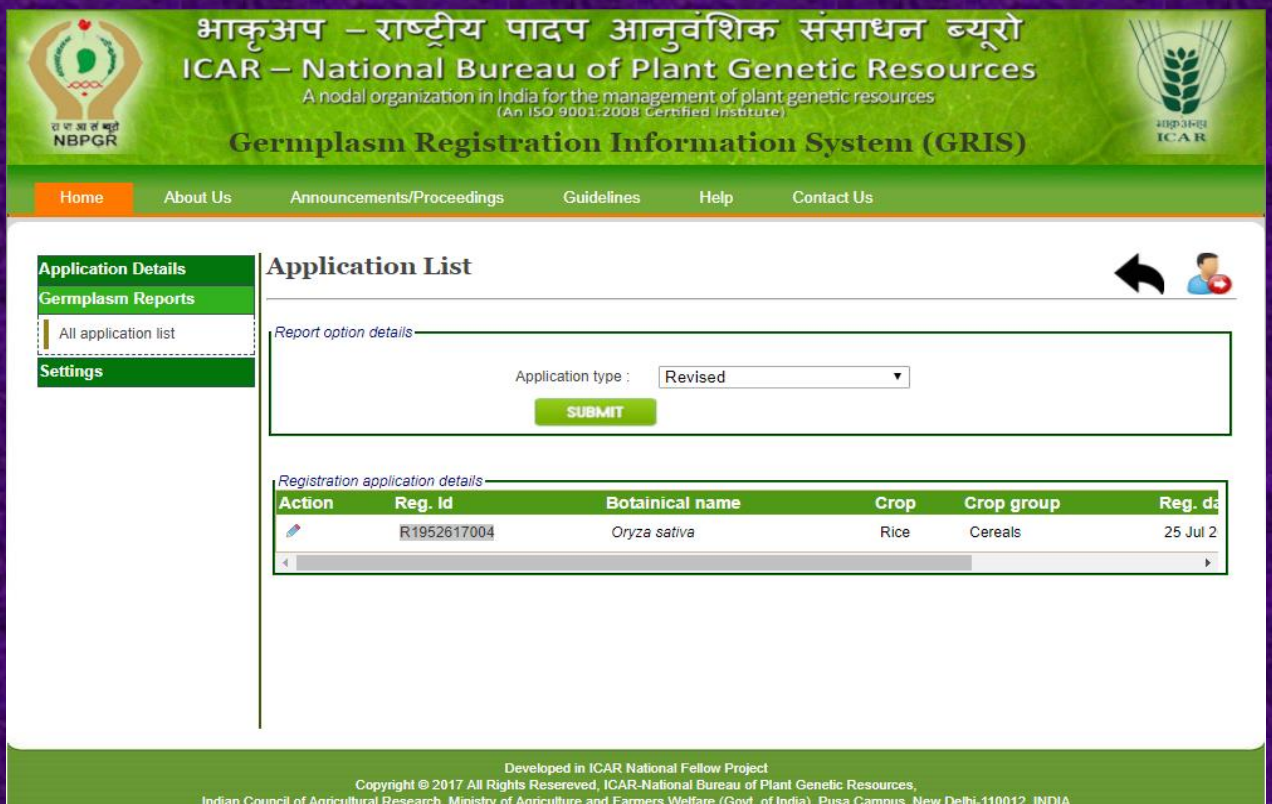
Application List

Report option details

Application type : (dropdown menu open with options: New, Approved, Not Approved, Revised)

SUBMIT

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ation/ApplicationList.aspx



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Application List

Report option details

Application type :

SUBMIT

Registration application details

Action	Reg. Id	Botainical name	Crop	Crop group	Reg. da
	R1952617004	Oryza sativa	Rice	Cereals	25 Jul 2

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Application for Registration of Plant Germplasm

NEW New Application
 Incomplete Incomplete Application
 Revised Revised Application

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To edit a Application which is Recommended for Revision:

Germplasm Details →
 Germplasm registration
 → Revised Application

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Revised Application of Plant Germplasm

Fill required information

Application no. * R1952617004
 Date of application * 07/25/2017

SUBMIT

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Give application no. and application date → Click on "SUBMIT" button.

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Revised Application of Plant Germplasm

Primary Information Developer Passport & Pedigree Information Remarks Attachment Undertaking & Submit
 * marked fields are mandatory

Application of germplasm:

Botanical name Oryza sativa Crop name Rice
 Crop group name Cereals Application status Revised
 Biological status of the material to be registered * Genetic Stock Nature of genetic material * Seed
 Identity * CR 143-2-2 Quantity deposited * 4000 seeds
 (Number of seeds/clones)
 Criteria for registration [unique feature(s) maximum three]*
 Rice breeding line tolerant to both vegetative as well as reproductive stage drought stress.
 Highest grain filling (68%)
 High water retention capacity (>70%)
 Material value *
 Scientific Commercial Academic Other
 Basis of eligibility *
 Published with peer review All India co-ordinated trials data
 Institute annual report Any other report
 Has it been registered/protected anywhere? No

Save & Continue

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Your revised application will open, now you can attached data/ Justification etc.

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Welcome Mr Arup Das

Application Details
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Submitted Application: 1
 Deferred Application: 0
 Application for Revision: 0
 Application Recommended: 2
 Application Not Recommended: 0

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To Print a Certificate:

To take print certificate of an **approved application** user should follow the steps given below.

Germplasm Details →
Germplasm registration →
Click on Application recommended → see the details of application.

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Germplasm Registration Information System (GRIS)

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Application List

Report option details

Application type:

Registration application details

Action	INGR No.	Reg. Id	Botanical name	Crop	Crop group
	17028	R1952617003	Oryza sativa	Rice	Cereals
	17029	R1952617004	Oryza sativa	Rice	Cereals

Certificate

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Germplasm Details → **All application list** → **Application type** → select **approved** → **Click on "SUBMIT"** button-one dialog box will be open, now user can print certificate after click on the **certificate button**.

Certificate Plant Germplasm Registration



It is certified that germplasm CR 143-2-2 of Rice (INGR17029) developed by

P Swain, O N Singh, M J Baig and N P Mandal
 ICAR-National Rice Research Institute (NRRI) Cuttack, Odisha

has been registered by Plant Germplasm Registration Committee (PGRC) of Indian Council of Agricultural Research on July 28, 2017.

Member-Secretary
 PGRC

Chairman, PGRC
 DDG (CS) ICAR

Now user can see the **Certificate preview** and take print as per need.

THANKS



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