

**Assessment and transfer of improved production  
technology of Indian mustard in Eastern Uttar Pradesh  
through frontline demonstrations (FLDs)**

**2022-23**

**MEMORANDUM OF UNDERSTANDING**

BETWEEN



**ICAR-Directorate of Rapeseed-Mustard Research**  
*(Indian Council of Agricultural Research)*  
**Bharatpur, Rajasthan**

AND



**Narayan Institute of Agricultural Sciences**  
**Gopal Narayan Singh University**  
**Sasaram -821305, Bihar**

## **Preamble**

Whereas ICAR-Directorate of Rapeseed-Mustard Research, Bharatpur, Rajasthan (hereinafter called ICAR-DRMR) a constituent unit of Indian Council of Agricultural Research (ICAR), Government of India, undertakes planning coordinating, monitoring and conducting Front line demonstrations (FLDs) and other activities related to assess and show the production potential of recommended technology of the crop and get the feedback from farmers about the performance of the demonstrated technology.

And where the Narayan Institute of Agricultural Sciences, Gopal Narayan Singh University, Sasaram (Bihar)-821305, India (here in after called NIAS, GNSU) has been established in July, 2019. The aim of NIAS, GNSU is to promote the creation and dissemination of knowledge about agricultural ecosystems.

It is recognized that the ICAR-DRMR and NIAS, GNSU have common interest in increasing agricultural production through adoption of latest developed technology by the farmers. To this end, collaboration for the assessment and transfer of the improved production technology of rapeseed-mustard through FLDs and other related activities under All India Coordinated Research Project on Rapeseed-Mustard (AICRPRM) of ICAR-DRMR in district Rohtas of Bihar for one year during 2022-23 is agreed between ICAR-DRMR and NIAS, GNSU. The purpose of this agreement is assessment and transfer of improved production technology of rapeseed-mustard through organizing FLDs with newly released improved varieties along with production and protection technologies and other activities related to dissemination of technology for augmenting rapeseed-mustard production of the farmers of the selected districts.

ICAR-DRMR agrees to provide the budgetary support of Rs. 120000 (One lakh twenty thousand rupees only) for the mutually agreed plan to conduct 100 FLDs on Indian mustard during 2022-23.

## **1. Introduction**

This arrangement sets out the terms and conditions on which the NIAS, GNSU will conduct 100 FLDs on mustard in district Rohtas of Bihar during 2022-23.

## **2. Project location**


District Rohtas of Bihar.

## **3. Project purpose**

The project aims at assessment and transfer of improved production technology of rapeseed-mustard through organizing FLDs on newly released improved varieties and corresponding production and protection technologies for rapeseed-mustard crop to showcase their potential *vis-a-vis* farmers' prevailing varieties and practices in the selected districts of Bihar and promoting adoption of superior technology by educational means/ other related activities among the famers of the area for realizing enhanced production of this oilseed crop.

## **4. Terms of reference for this agreement**

- 4.1 The Director, DRMR or his representative with the Director, NIAS, GNSU or his representative will finalize the technical plan for the project in advance.

  
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- 4.2 NIAS, GNSU will conduct the FLDs as per the technical plan finalized for 2022-23 and approved by 29<sup>th</sup> Annual Group Meeting of AICRP Rapeseed-Mustard held during August 1-3, 2022 at RARI, Durgapura, SKNAU, Jobner. Under FLDs, varieties which are less than 5 year old may be encouraged and under any circumstances, varieties more than 10 years old shall not be allowed.
- 4.3 Before organizing FLDs, GNSU will carry out PRA for identifying the critical factor for low productivity.
- 4.4 NIAS, GNSU will select appropriate villages/ farmers/ for this collaborative programme.
- 4.5 Funds for conducting FLDs will be Rs. 1200.00 for an area of one acre for 2022-23. Only critical inputs and training shall be provided from the scheme budget, remaining inputs shall be supplied by the farmers themselves. Ten percent of the fund of FLDs is allowed to be utilized for monitoring, distribution of literature, organization of field day/ scientist-farmers interaction.
- 4.6 NIAS, GNSU will send the complete detailed report in prescribed proforma, specifically mentioning the rainfed and irrigated situation and also the normal and late sown conditions under which FLDs are actually conducted.
- 4.7 NIAS, GNSU will work out the economics of the FLDs and report the B:C ratio for the improved plot (IP) and farmer's plot (FP) for each demonstration instead of IBCR value.
- 4.8 NIAS, GNSU will discuss the impact of new technology during scientist-farmer interaction, training and field visit / *kisan diwas* / *kisan mela* , etc in the villages.
- 4.9 Photography of the FLDs activities would be done by GNSU and good photographs would be sent to ICAR-DRMR for record.
- 4.10 NIAS, GNSU will send the preliminary report pertaining to the name of farmers, location along with date of sowing and technology demonstrated to the Director, ICAR-DRMR for proper monitoring, strengthening the linkages and also extending learning experiences to relatively large population of farmers.
- 4.11 The final data book for individual farmer, as supplied by the ICAR-DRMR, must be sent to ICAR-DRMR, Bharatpur along with the summary sheet of results latest by 30<sup>th</sup> April 2023.
- 4.12 NIAS, GNSU will send the tentative list of the selected farmers selected from the identified villages for conducted FLDs and AUC of last year, if any, for the release of fund from ICAR-DRMR.
- 4.13 NIAS, GNSU will procure the inputs/items needed for the operation of the project.
- 4.14 NIAS, GNSU will make the arrangement/ facilitate for visit/monitoring of the FLD's location by scientists of ICAR-DRMR/ AICRPRM.
- 4.15 NIAS, GNSU will send verified AUC of the entire expenditure to ICAR-DRMR before Annual Group Meeting.
- 4.16 The budget/fund is non-divertible.
- 4.17 Reservation for SC and ST community must be followed in selecting beneficiary farmers for conducting FLDs as per norms.

*[Handwritten signature]*  
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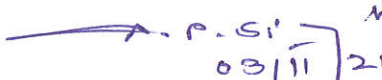



4.18 NIAS, GNSU will do the geo tagging of all FLDs as per the guideline of DAC&FW, Govt. of India

## 5. Project period

This arrangement is for one year from August 2022 to July 2023 or till the 30<sup>th</sup> Annual Group Meeting of Rapeseed-Mustard Research Workers. It is subjected to review in the 30<sup>th</sup> Annual Group Meeting and continuation is subject to satisfactory performance.

6. Any proposal of purchases of inputs and other necessary materials is to be prepared as per plan by the project personnel concerned and the Director will approve and release the payment as per purchase procedures.

<p><b>For and on behalf of ICAR-DRMR, Bharatpur</b></p>   <p>Signature</p> <p>Dr. P.K. Rai Director ICAR-DRMR, Bharatpur, Rajasthan</p>	<p><b>For and on behalf of GNSU, Rohtas</b></p>  <p>08/11/2022 Director निदेशक Narayan Institute of Agricultural Sciences नारायण कृषि विज्ञान संस्थान Gopal Narayan Singh University गोपाल नारायण सिंह विश्वविद्यालय Jamuhar, Sasaram, Rohtas (Bihar) जमुहार, सासाराम, रोहतास (बिहार)</p> <p>Signature</p> <p>Prof. A. P. Singh Director Narayan Institute of Agricultural Sciences Gopal Narayan Singh University, Sasaram</p>
<p>Signature</p> <p>Dr. Ashok Kumar Sharma Pr. Scientist &amp; Nodal Officer, FLDs on RM ICAR-DRMR, Bharatpur, Rajasthan</p>	 <p>31/11/22</p> <p>Signature</p> <p>Dr. Abhishek Kamendu Registrar Gopal Narayan Singh University, Sasaram कुलसचिव REGISTRAR गोपाल नारायण सिंह विश्वविद्यालय Gopal Narayan Singh University</p>