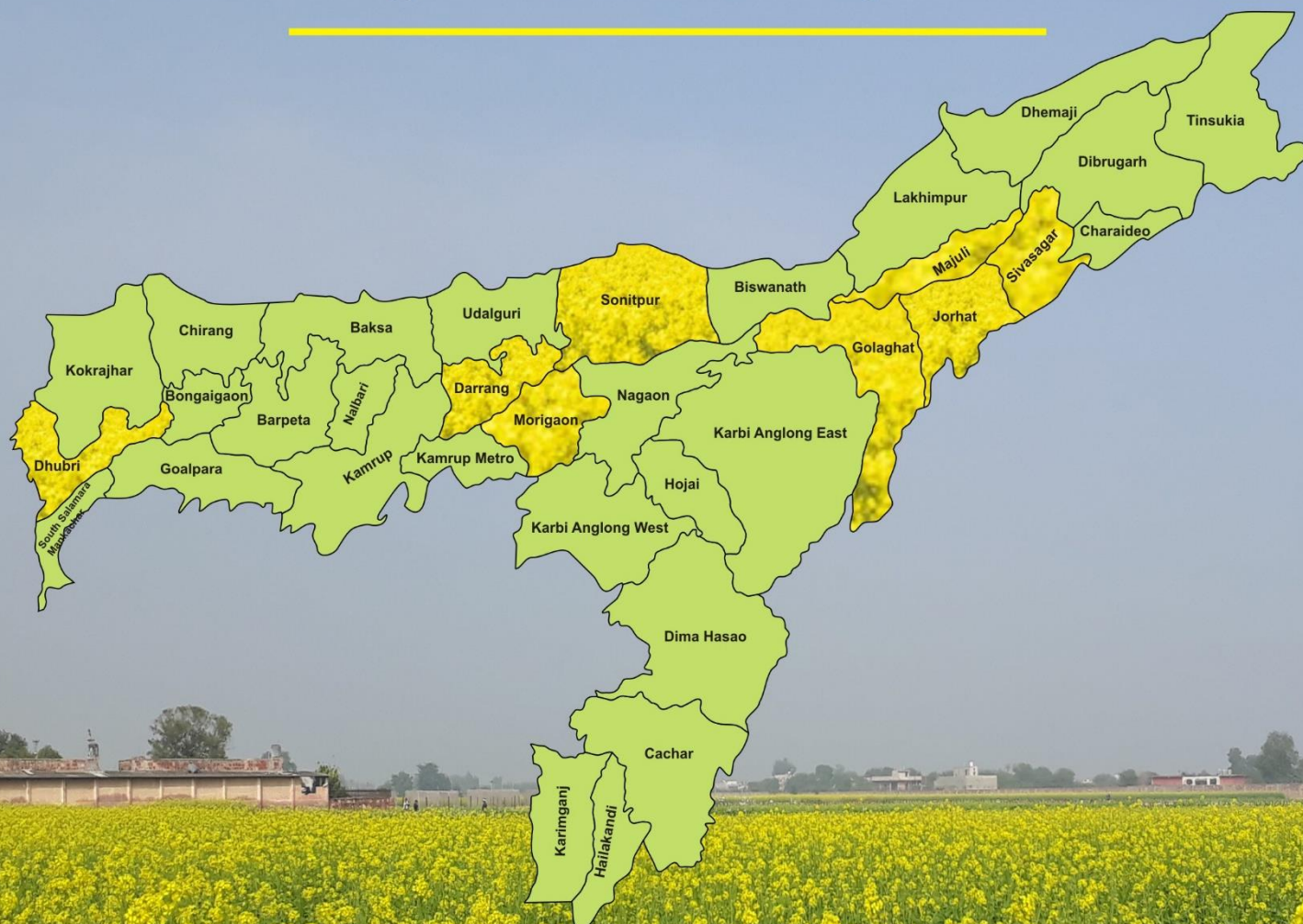


First Six Month Report

August 2020-January 2021



**ICAR-DIRECTORATE OF RAPESEED-MUSTARD RESEARCH
BHARATPUR, RAJASTHAN-321303**

**ASSAM AGRIBUSINESS & RURAL TRANSFORMATION PROJECT
(APART)**



Six Monthly Report 2020

August 2020-January 2021

**Consulting services for technical advisory support on
Augmenting Rapeseed-Mustard Production of Assam
Farmers for Sustainable Livelihood Security**

Assam Agribusiness and Rural Transformation Project (APART)

Contract No. OPIU Agri/APART/DRMR/23

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Submitted by



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Augmenting Rapeseed-Mustard Production of Assam Farmers for Sustainable Livelihood Security

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Acronyms

AAU	Assam Agricultural University
AEA	Agricultural Extension Agent
ANLD	Anisotropic Non-Linear Diffusion
APART	Assam Agribusiness & Rural Transformation Project
ARIASS	Assam Rural Infrastructure and Agricultural Services Society
ATM	Assistant Technology Manager
ATMA	Agriculture Technology Management Agency
AWP	Annual Work-Plan
BTM	Block Technology Manager
BVZ	Barak Valley Zone
CBVZ	Central Brahmaputra Valley Zone
CD	Crop Demonstrations
DRMR	Directorate of Rapeseed-Mustard Research
DoA	Department of Agriculture
GDP	Gross Domestic Product
Ha	Hectare
HYV	High Yielding Variety
HZ	Hills Zone
ICAR	Indian Council of Agricultural Research
ICT	Information and Communication Technology
IMD	India Meteorological Department
INM	Integrated Nutrient Management
INR	Indian Rupee
IPM	Integrated Pest Management
ITK	Indigenous Technical Knowhow
IWM	Integrated Weed Management
KVK	Krishi Vigyan Kendra
LBVZ	Lower Brahmaputra Valley Zone
MSP	Minimum Support Price
MT	Master Trainer
NARES	National Agricultural Research and Extension System
NBPZ	North Bank Plain Zone
NEH	North East Hills
NER	North Eastern Region
NGO	Non-Government Organization
PHM	Postharvest Mechanization
ToT	Training of Trainers
TT	Technical Training
UBVZ	Upper Brahmaputra Valley Zone
UPS	Uninterruptible Power Source
WUE	Water-Use Efficiency

Preface

Agriculture sector plays an important role in India's social security and overall economic welfare. Oilseed crops are the second most important determinant of agricultural economy, next to cereals. Today, the demand for vegetable oils is outpacing the supply with more than half of its annual requirements being met mainly through imports. In India, oilseeds contribute 3% and 10% to gross national products and value of all agricultural products, respectively with 14 and 1 million people involved in oilseed cultivation and processing, respectively. India is one of the biggest importers of vegetable oils. There is a spurt in the vegetable oils consumption in recent years, both for edible purposes as well as for industrial uses. This is likely to go up further in coming years with change in consumption patterns as well as in rising living standards.

The demand of vegetable oil for human consumption would increase sharply up to 2030 and thereafter may increase at a decreasing rate in view of enhanced health awareness. There will be a huge gap between demand and supply of edible oil in the country. Rapeseed-mustard is the only crop that can meet the challenge of bridging the demand-supply gap of edible oil in India. It is world's third most important source of edible oil after soybean and palm. India is the third largest producer of rapeseed-mustard in the world accounting to about 22.2% area and 10.7% of the world's total rapeseed-mustard production. In India, rapeseed-mustard is grown in diverse agro-climatic conditions ranging from north-east to north-west and northern India to the south with wide acceptability as an edible oil. The crop is grown as sole or in mixed cropping under both rainfed as well as irrigated conditions. It accounts for 23.64 % of total area under oilseed crops and its average yield is about 1400 kg/ha which is on the higher side compared to the combined oilseed crop average of 1135 kg/ha.

The slow growth rate in oilseed production combined with the high expenditure elasticity for edible oils has led to an increase in demand which was met through imports causing a significant drain on foreign exchange. Enhancing the domestic edible oil availability is one of the prime concerns of the policy planners to check the rising edible oil imports. Rapeseed-mustard is one of the important sources of edible oil in the country which has made a significant contribution to domestic edible oil availability over the last few decades. Rapeseed-mustard crop has good production potential, where the cultivation is supported with technology and knowledge inputs. Expansion of the crop to non-traditional areas is one option to increase production, especially because rapeseed-mustard is capable of growing under diverse agro-climatic zones. Rice-fallow of Assam, West Bengal, Bihar, Orissa, Jharkhand, Chhattisgarh and NEH states need to be exploited for this purpose. An expansion of area in rice-fallow areas under rapeseed-mustard can lead to an increase in production.

Rapeseed-mustard crops have good production potential, where the cultivation is supported with suitable technology intervention and knowledge inputs. Crop is capable of growing under diverse agro-climatic zones and has low water requirement, wider adaptability to irrigated and rainfed areas, suitable for sole and mixed cropping, relatively salt tolerant and give higher return with low cost of production. Rapeseed and Mustard is grown in substantial area in Assam. But productivity is very low (660 kg/ha) in comparison to national productivity (1511 kg/ha) in 2018-19. Low and unstable oilseed system productivity is major problem in the state where cultivation is

undertaken mostly through small and marginal agricultural holdings. Some identified major reasons of low production and productivity of rapeseed-mustard in the state are; use of traditional varieties i.e. locally available materials especially short duration toria (mostly non-descript naturally crossed bred) varieties, non-availability of quality seeds in time, non-adoption of improved production and protection technologies (Poor land preparation, broadcasting seed, improper plant spacing, no weed control, harvesting at improper stages, etc.), inadequate moisture at sowing time in rice fallow areas and lack of irrigation facilities, delayed sowing due to the adoption of longer duration rice varieties, biotic stresses (especially Aphid, Saw fly, Bihar hairy caterpillar, White rust, Alternaria, stem rot), lack of confidence among the farmers to compensate the cost involved in intensive/scientific cultivation, lack of coordination between the technologists/extension workers, processors and the farmers, etc.

Over the last decade, a number of rapeseed-mustard technologies have been developed, but for certain proven technologies there is a profound adoption gap particularly among small farmers. Increased technology adoption, broadly defined to include adoption of improved agricultural practices, crop varieties, inputs and associated products has the potential to contribute to economic growth through increasing production and productivity of rapeseed-mustard.

Crop area expansion, either through inter cropping or spreading the crop in rice fallow land in the country may also help in increasing the production of rapeseed-mustard. Keeping in view of vast availability of natural resources and fertile lands offering ample scope to promote oilseed cultivation in Assam, there is an urgent need to identify/screening the suitable technology of rapeseed-mustard for rice-fallow situation and motivate the farmers of these areas to adopt identified technology through demonstrations, trainings, fairs, exhibitions and visits to research and experimental farm.

ICAR-DRMR was established by ICAR, New Delhi to carry out basic, strategic and applied research on rapeseed-mustard. Besides, generating basic knowledge and material, it also engages in developing ecologically sound and economically viable agro production and protection technologies. The Directorate has also the responsibility to plan, coordinate and execute the research programmes through wide network of 22 centres across the country, to augment the production and productivity of rapeseed-mustard. ICAR-DRMR works for providing equitable access to information, knowledge and genetic material to develop improved varieties and technologies, coordinating applied research, developing location specific varieties and technologies and doing technology dissemination and capacity building of farmers, extension personnel and all stakeholders. ICAR-Directorate of Rapeseed-Mustard Research has been working in the North Eastern States since 2012 to occupy the rice fallow area in NEH region under the rapeseed-mustard crop. The results are very much encouraging. The average productivity of rapeseed-mustard in NEH region is about 650 kg/ha with maximum 1200 kg/ha. There is enough scope for further enhancement of productivity with technological interventions. The selection of crop and varieties are likely to play the major role in realizing an oilseed revolution in this region. The scope for enhancing rapeseed-mustard production and productivity through identification of suitable technologies of rapeseed-mustard for rice-fallow and motivation of farmers to adopt scientific technology complemented with inclusive technology package and provision of close

institutional support for cultivators will be a great step.

Under Assam Agribusiness and Rural Transformation Project (APART), the contract on 'Consulting services for technical advisory support on Augmenting Rapeseed-Mustard Production of Assam Farmers for Sustainable Livelihood Security' was signed between Operational Project Implementation Unit (OPIU), APART, Directorate of Agriculture (DoA), Govt. of Assam and ICAR-DRMR, Bharatpur on April 28, 2020. As one of the major knowledge partners in APART, ICAR-DRMR is providing technical support to the Department of Agriculture (DoA), Govt. of Assam for implementation of project with following specific objectives:

- a) Enhancing adoption of high yielding short duration rapeseed-mustard varieties.
- b) Enhancing area and raising productivity, profitability, and resource use efficiencies of rapeseed-mustard cultivation in Assam through improved crop management and protection technologies.
- c) Strengthening post-harvest management, reduce losses, increase efficiency and profitability, and improve mustard value chain.
- d) Developing knowledge materials and capacity development of various stakeholders and extension functionaries in Assam.

These project activities will cover 7 undivided districts namely; Darrang, Dhubri, Golaghat, Jorhat (including Majuli), Morigaon, Sivsagar and Sonitpur of Assam.

Keeping in view the low productivity, poor marketing support and low confidence and capacities of the value chain actors, ICAR-DRMR believes that interventions with regards to organizing crop demonstrations along with technical trainings, PHT demonstrations, and training and capacity building of the value chain actors is critical for enhancing the production and productivity of rapeseed-mustard in Assam. Therefore, ICAR-DRMR aims to work with the Department of Agriculture, Government of Assam on the mustard value chains especially on organizing demonstrations, and training & capacity building programme to increase average productivity of rapeseed

Other interventions in the mustard value chain would be development of knowledge materials in the form of simple and actionable farmer-friendly extension material and digital/IT tools on the different aspects of scientific production and protection technologies of rapeseed-mustard to reach a large number of farmers quickly at a low cost and provide accurate, motivating, credible and distortion free information to them. To create awareness among farmers about varieties, technologies, practices in the mustard value chain including post-harvest and market linkages, ICAR-DRMR will provide technical support to organize farmer fairs.

To reinforce the confidence of the extension personnel and farmers in new technology, methods, etc., exposure visit of extension functionaries and farmers have been planned to be organized for ICAR-DRMR along with interaction with progressive farmers and visit to farmers' field in Bharatpur and adjoining areas to have better knowledge and understanding of technology, methods and to improve the skills of the extension personnel and farmers in scientific production and protection technologies of rapeseed-mustard.

ICAR-DRMR will support in organizing a round table conference/workshop/ seminar to gain further insight into opportunities in Assam and to include and identify all mustard value chain actors from the agro-system (farmers to consumers).

Executive summary

Under the APART project, seven districts of Assam namely; Jorhat, Golaghat, Sivasagar, Darrang, Sonitpur, Morigaon and Dhubri were selected. For better supervision, monitoring, efficient delivery and effective implementation of mustard activities, ICAR-DRMR has deployed its team at all seven locations.

An online review meeting of the project, chaired by Ms. Laya Madduri, SPD, ARIAS Society was held on 11th June 2020. After approval of the project on April 28, 2020, the selection process of all contractual staff was completed before July 5, 2020. All contractual help joined the project during July- August 2020. After joining the Research Associates in all selected districts, detailed survey of all the selected clusters was conducted to study weather condition, rainfall pattern, soil type, cropping pattern, major crops, resources availability, status of mustard cultivation, insect-pest and disease problems in the areas, seasonal crop activity, irrigation facilities, etc. The selection of the sites for conducting demonstrations was done by ATMA personnel of respective districts in consultation with concerned stakeholders and Research Associates keeping in view the accessibility to farmers of neighboring villages and extension workers coming from different parts of the district. During 2020-21, 20 mustard crop demonstrations in each of the selected 22 clusters were approved. Accordingly, a total of 440 mustard crop demonstrations in 80 selected villages in 22 Clusters in seven selected districts were laid out.

Based on the climatic situation, cultivation of rapeseed-mustard, prevailing cropping pattern and resources, these demonstrations were conducted with three improved varieties of Indian mustard viz. NRCHB-101 (227), PM-28 (132) and DRMR-150-35 (65) and one variety of toria, i.e. TS-38 (16) along with crop management and protection technology like line sowing, proper seed rate, seed treatment, proper plant population, thinning, weeding, intercultural operation, management of pest and diseases, etc. Along with these demonstrations, Research Associate also helped in conducting 20 minikit demonstrations in each of the selected clusters.

The seed of these improved varieties were directly supplied by ICAR-DRMR to DAOs of seven selected districts well in time. The seed of demonstrated varieties along with required fertilizers and need based fungicides/pesticides were given to selected farmers for demonstration along with seed alone for control plot. Under minikit demonstrations, only one kg seed of improved variety was supplied to the farmers.

The high temperature in the month of October and late withdrawal of monsoon (up to last week October to first week of November at some places) forced delay in sowing of the crops. Keeping in view of rainfall and land preparation in different clusters, the sowing was done during last week of October to third week of Nov. 2020

Regular visits and monitoring of the crop demonstrations and minikit demonstrations are being done by Research Associates and ATMA personnel to educate and motivate the farmers to adopt crop management practices like thinning, intercultural operations, weeding, applying irrigation, management of insects and diseases, etc.

ICAR-DRMR has organized two training programme of 2 days for Masters Trainers simultaneously on "Scientific technology of rapeseed-mustard for Assam" during 4-5 November, 2020 through online mode. A total of 61 field and middle level agricultural extension officials from

the State Department of Agriculture, Govt. of Assam like ADO/ BTM/ATM and RA/SRF of DRMR-APART Project from 12 districts of Assam viz., Jorhat, Sivsagar, Sonitpur, Darrang, Dhubri, Golaghat, Nalbari, Kamrup, Nagaon, Tinsukia, Hojai and Morigaon participated in this training programme.

ICAR-DRMR has organized two farmers training programme simultaneously on "Technological empowerment of farmers for sustainable production of rapeseed-mustard in Assam" during 28-29 December, 2020. A total of 68 farmers from seven selected districts participated in this training programme.

To provide first-hand information and practical exposure to the farmers about scientific production and protection technology of mustard, technical trainings were organized in two phases. The first phase of technical training for mustard crop demonstrations farmers on "Scientific production technology of rapeseed-mustard" was conducted cluster wise at Department of Agriculture/ATMA office/ block office of respective districts before sowing. The technical knowledge and skill about land preparation, seed treatment, fertilizer application, seed rate, sowing method, sowing time, spacing, etc. were provided along with distribution of seeds and fertilizers to the participants. The second phase of technical training was conducted on "Best management practices for cultivation of rapeseed-mustard" during Nov. 2020-Jan 2021 at the time of vegetative growth of the crop at farmers' field in each of the selected clusters. The technical knowledge and skill about weeding, hoeing, thinning, irrigation management, top dressing, etc. were provided to the participants by ICAR-DRMR during second phase of technical training.

The third phase of technical training was conducted on "Insect pest & disease management practices in rapeseed-mustard" during January 2021 at the time of flowering stage of the crop at farmers field in each of the selected clusters. The fourth phase of technical training was conducted on "Harvesting, threshing and storage management practices in rapeseed-mustard cultivation" during last week of January 2021 at the time of pod stage of the crop at farmers field in each of the selected clusters.

Thus a total of 88 technical trainings were organized during the period wherein 2001 farmers and farm women participated. These technical trainings were organized at farmers' field by the District ATMA with the technical support of ICAR-DRMR.

Table 1: Executive summary of physical targets and achievements during AWP 2020-21

Activities	Unit	Target	Achievement	Remarks
Crop Demonstrations	No.	440	440	All demonstrations were laid out successfully
Minikit ATMA	No.	440	440	All minikit demonstrations were laid out successfully

Technical trainings	No.	88	88	Completed
Training for Master Trainers	No.	2	2	Completed
Training for progressive farmers	No.	2	2	Completed



Chapter 1:

Detailed Report

1.1 About ASSAM

Assam, a state with a geographical area of 78,438 km², forms about 2.4% of the country's total geographic area and is the core of the North Eastern Region (NER) of India. It is situated in the South of the Eastern Himalayas, between 89°42' E to 96°E longitude and 24°8' N to 28°2' N latitude. A large part of Assam is surrounded by hilly areas and it has both National as well as International boundaries. Assam shares its north boundary with Bhutan and Arunachal Pradesh. Nagaland, Manipur and a part of Arunachal Pradesh are to the east of Assam while Mizoram is to the south of it. States Tripura, Meghalaya and the country Bangladesh are situated to the south-west of the state and West Bengal is to the west of it. Assam comprises three broad natural divisions, namely, the Brahmaputra valley, the Barak valley, and the Hill range. The Brahmaputra valley is the largest strip of plain land extending from the West to North-East in the northern part of the state. The river is the main source of life for the people of Assam and a contributing factor for the fertile agricultural land of the state. Adding quality to alluvial soil, the river Brahmaputra is a perennial source of water for the state.

The southern part of the state is another valley with the river Barak passing through it, known as the Barak valley. This region is relatively small and accounts for only about 9% of the area of the state, accommodating about 12% of the state's population. The hilly range of Karbi Anglong and

North Cachar lies in the middle of the state, separating the two valleys.

1.2 Agro-climatic Zones

Based on the amount and characteristics of rainfall, temperature, relative humidity, terrain condition (a stretch of land with regard to its natural features), and soil characteristics, Assam has been broadly divided into six agro-climatic regions. They are:

1. The North Bank Plain Zone (NBPZ), comprises of the districts Dhemaji, Lakhimpur, Sonitpur, Udalguri (BTAD) and Darrang, contributing to 18.37% area of Assam. Rice, Rapeseed-Mustard and Sugarcane are the major crops of the zone.
2. The Upper Brahmaputra Valley Zone (UBVZ), comprises of the districts Tinsukia, Dibrugarh, Sivasagar, Jorhat, and Golaghat, and accounting for 20.40% of the total area of Assam. Rice, Rapeseed-Mustard and Sugarcane are the major crops of the zone.
3. The Central Brahmaputra Valley Zone (CBVZ) comprises of the districts Nagaon and Morigaon, accounting for only 7.08% of the area of the state. This region is bowl-shaped and often flooded. Rice, Rapeseed-Mustard, Jute and Pulses are the major crops of the zone
4. The Lower Brahmaputra Valley Zone (LBVZ) comprises of the districts Kamrup, Nalbari, Barpeta, Bongaigaon, Kokrajhar, Chirang, Baksa, Dhubri, and Goalpara covering an area of 20,222 km², accounting for 25.75% of the area of the state. Rice, Rapeseed-Mustard, Jute, Potato, Wheat and Pulses are the major crops of the zone
5. The Barak Valley Zone (BVZ) comprises of the districts Cachar, Hailakandi, and Karimganj and covers a total area of 6,962 km², i.e., 8.9 % area of the state. Rice, Sugarcane and Potato are the major crops of the zone
6. The Hills Zone (HZ) comprises of two districts Karbi Anglong and North Cachar Hills, encompassing 19.4% of the total state area. Maize and Sugarcane are the major crops of the zone.

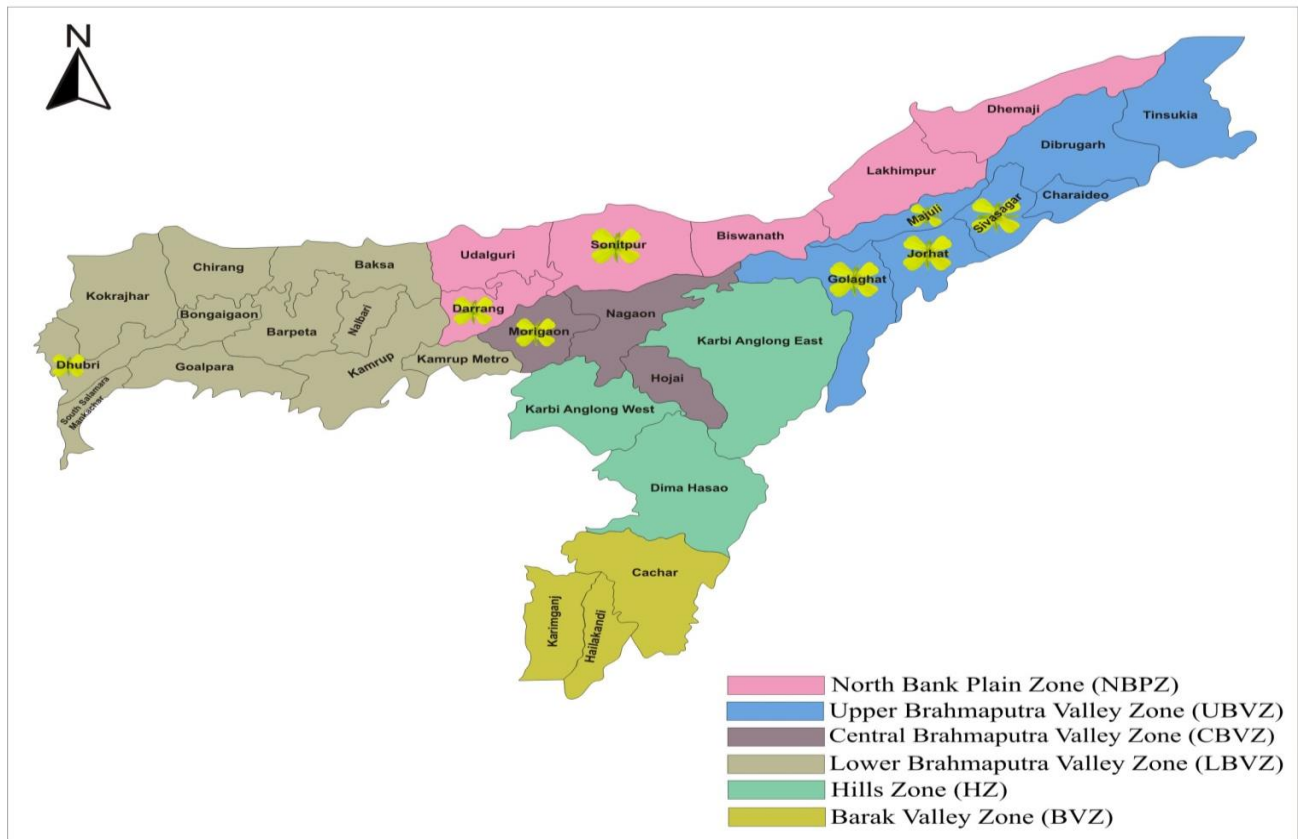


Fig 1: Agro-climatic Zones of Assam

There is a similarity of farm operation in the first five plain agro-climatic zones of Brahmaputra valley and Barak valley. The method of cultivation adopted in the plain region of Assam is more or less similar to that followed in most parts of India. Rice, grown during the wet season (June-Oct/Nov) also called Sali /winter rice, has traditionally been the principal crop in all these zones. Moreover, jute is also grown during the same period at a substantial scale. During the winter months when rainfall is scanty, and the scale of cultivation is also much smaller, the less water requiring crops, such as oilseeds, pulses, potato, and vegetables are traditionally grown in the plains. On the other hand, the system of farming in the hilly areas is significantly different from the system of farming in the plains. The primitive practice of shifting cultivation is still predominant mode of cultivation in the hills.

Climatic Condition: Generally Assam's climate comprises very wet summer season and sunny winter season. The monsoon rain normally starts from early June and continues up to the month of October. Moreover, in late April and May, normally there is also heavy pre-monsoon rain in the state. In Assam, during the summer, temperature normally varies between 25°C and 40°C. During the winter period, i.e., from the month of November to the February, climate mostly remains dry. Sometimes, the temperature during the winter falls below 5°C.

The state normally witnesses a very heavy rainfall during the period from June to September. As opposed to monsoon season, the state witnesses on an average 51.0 millimeter rainfall during the winter season. Again in summer and post monsoon period, the average rainfall is 578.00 and 176.00 millimeter, respectively. The average rainfall in the state in a year is 2294 millimeter.

Sources of Irrigation: The major sources of irrigation in Assam are canal, tube well, tank and well supplying irrigation.

1.3 Brief description of the districts identified for rapeseed-mustard programme under the project

For the rapeseed-mustard programme under APART project, seven districts of Assam namely; Jorhat, Golaghat, Sivasagar, Darrang, Sonitpur, Morigaon and Dhubri were selected. For better supervision, monitoring, efficient delivery and effective implementation of mustard activities of APART, ICAR-DRMR has deployed its team at all seven locations. The selected districts belong to different Agro-climatic zones of the state as follows:

Districts for rapeseed-mustard programme	Agro-climatic zone of Assam
Jorhat, Golaghat and Sivasagar	Upper Brahmaputra Valley Zone
Darrang and Sonitpur	North Bank Plain Zone
Morigaon	Central Brahmaputra Valley Zone
Dhubri	Lower Brahmaputra Valley Zone

Normally, there are considerable variations in physiography, climate, soils, flooding and cropping pattern etc. in an agro-climatic zone and these variations lead to formation of agro-ecological situations within the zone.

Morigaon: This district comprises of 1551 km² area, having 5 blocks. Total cropped area of the district is 214921 ha. and rice, mustard and maize are the major crops. The district is considered as flood prone having sandy loam soil. The 75% area is under rainfed and only 25% cropped area is covered by tube well irrigation. About 12546 ha area is under mustard crop and aphid and saw fly are the major pest of mustard in the district. The major cropping pattern are Sali Rice-Mustard-Summer Pulses and Sali Rice-Mustard-Jute. The occurrence of flood and sometimes drought in summer are the major constraints with respect to agriculture. The Mayong block of district has been selected for project activities.

Jorhat: This district comprises of 192862 ha area, having 8 blocks. Total cropped area of the district is 102839.2 ha and rice, paddy, pea, pulse, cabbage, cauliflower, brinjal and mustard are the major crops. The district is considered as flood prone having sandy loam soil. The 91% area is under rainfed and only 9% cropped area is covered by tube well irrigation. About 9507 ha area is under mustard crop and aphid and saw fly are the major pest of mustard in the district. The major cropping pattern are paddy- vegetables-vegetables, paddy-potato-vegetables, paddy-pulse-paddy-mustard. The occurrence of flood and sometimes drought in summer are the major constraints with respect to agriculture. The Kaliapani, Majuli, Ujani block of district have been selected for project activities.

Sonitpur: This district comprises of 271729 ha area, having 7 blocks/cluster. Total cropped area of the district is 112281 ha and rice, maize, pulses, jute, sugarcane, potato and mustard are the major crops. The soil is clay loam and sandy loam. The 91 % area is under rainfed and only 9% cropped area is covered by tube well irrigation. About 15501 ha area is under mustard crop and aphid and saw fly are the major pest of mustard in the district. The major cropping pattern are rice-mustard, rice-vegetables, mustard-kharif vegetables. The occurrence of flood prone, soil erosion, non-adoption of line transplanting are the major constraints with respect to agriculture. The

Gabhoru, Balipara, Bihaguri, Chaiduar and Dhekiajuli clusters of district have been selected for project activities.

Sivasagar: This district comprises of 1598.85 Km² area, having 5 blocks/ clusters. Total cropped area of the district is 1, 16,579 ha and rice, maize, pulses, jute, sugarcane, potato and mustard are the major crops. The district is considered as alluvial soil, clay loam and sandy loam soil. About 2,750 ha area is under mustard crop and aphid and saw fly are the major pest of mustard in the district. The major cropping pattern are rice-mustard, rice-vegetables, mustard-kharif vegetables. The occurrences of water stress, early shower during harvesting, dense foggy during the month of November are the major constraints with respect to agriculture. The Demow and Gaurisagar clusters of district have been selected for project activities.

Darrang: This district comprises of 158500 ha area, having 6 blocks/clusters. Total cropped area of the district is 73619 ha and paddy, maize, vegetable and mustard are the major crops. The district is considered as sandy loam and clay loam soil. About 15447 ha area is under mustard crop and aphid, white rust and saw fly are the major pest and disease of mustard. The major cropping patterns are sali paddy-maize-vegetable, sali Paddy- Mustard. Late sowing of sali Paddy, Laggard to new technology and flood are the major constraints with respect to agriculture. The Bechimari, Sipajhar and Pachim Mangaldai clusters of district have been selected for project activities.

Golaghat: This district comprises of 3502 Km² area, having 8 blocks/clusters. Total cropped area of the district is 2, 28 325 ha and paddy, banana, pineapple, ginger, chilli tomato, sugarcane, potato, rapeseed-mustard, pea, lentil, green gram, maize and vegetable are the major crops. The district is considered as sandy loam and clay loam soil. About 13450 ha area is under mustard crop and aphid, white rust and saw fly are the major pest and disease of mustard in the district. The major cropping patterns are sali rice-rabi vegetables / rapeseed-mustard / black grams, sali rice-summer paddy and summer paddy-black gram / rapeseed-mustard / Rabi Vegetables. The occurrences of flood and water stress, attack of insect pests such as aphid, early shower during harvesting, non-availability of fertilizers and chemicals during peak seasons etc. are the major constraints with respect to agriculture. The Bokakhat, kakodonga and Podumoni clusters of district have been selected for project activities.

1.4 Weather

1.4.1 Temperature

1.4.1.1 Maximum temperature

Weather parameters play major role in determining the crop growth, development and yield because weather strongly influences the physical expression of genetic potential of the crop. Any significant deviation of this parameter from the optimum value become detrimental for the crop productivity. Weather has direct effect on growth and development of plants. All the physio-chemical and biological activities of the plants are governed by the weather variables prevailing in the area. In case of rapeseed-mustard, maximum temperature plays an important role for germination of crop in late October to second week of November. If the maximum temperature during this period remains low (27-35 °C), the germination of the seed is not affected. Fig. 2 shows the monthly maximum temperature prevailing at various locations in Assam. The analysis of the temperature profile shows that the maximum temperature in July remained lowest (30.4 °C) in Lower Brahmaputra Valley Zone (LBVZ), whereas in other zones it ranged from 31.5 °C (UBVZ) to 33.1 °C (CBVZ). During crop sowing (late October to second week of November), the average maximum temperature ranged lowest from 27.9° C ((NBPZ)) to highest 32.8° C (LBVZ). The average maximum temperature was suitable in almost all zones resulting timely sowing and proper germination of crop.

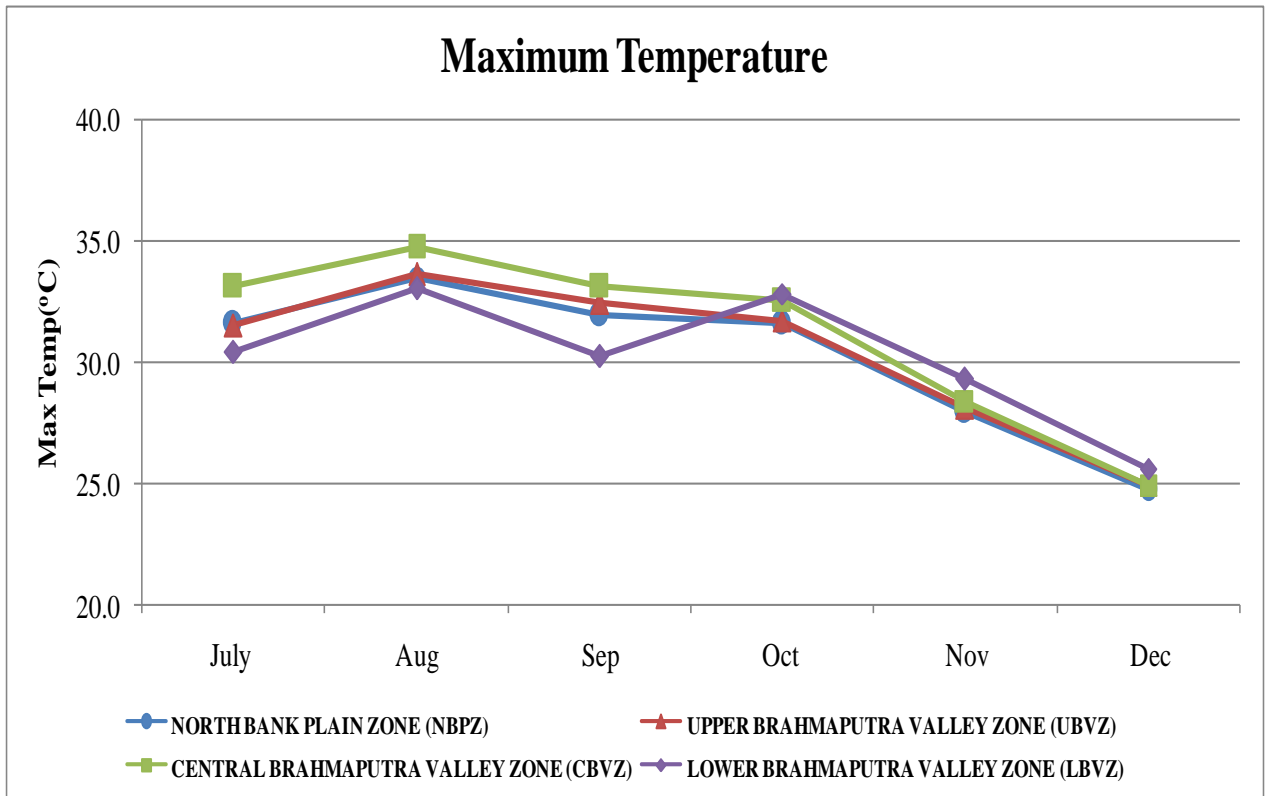


Fig 2: Maximum temperature variation among Zones (July-December, 2020)

1.1.4.1.2 Minimum temperature

Fig. 3 shows the monthly minimum temperature prevailing at various locations in Assam. The minimum temperature in October was recorded lowest 21.0° C in Central Brahmaputra Valley Zone (CBVZ) and highest 23.3° C in Upper Brahmaputra Valley Zone (UBVZ). The minimum temperature decreased at a steady rate after October with the advancement of the cropping season. The lowest (9° C) minimum temperature in December was recorded in North Bank Plain Zone (NBPZ).

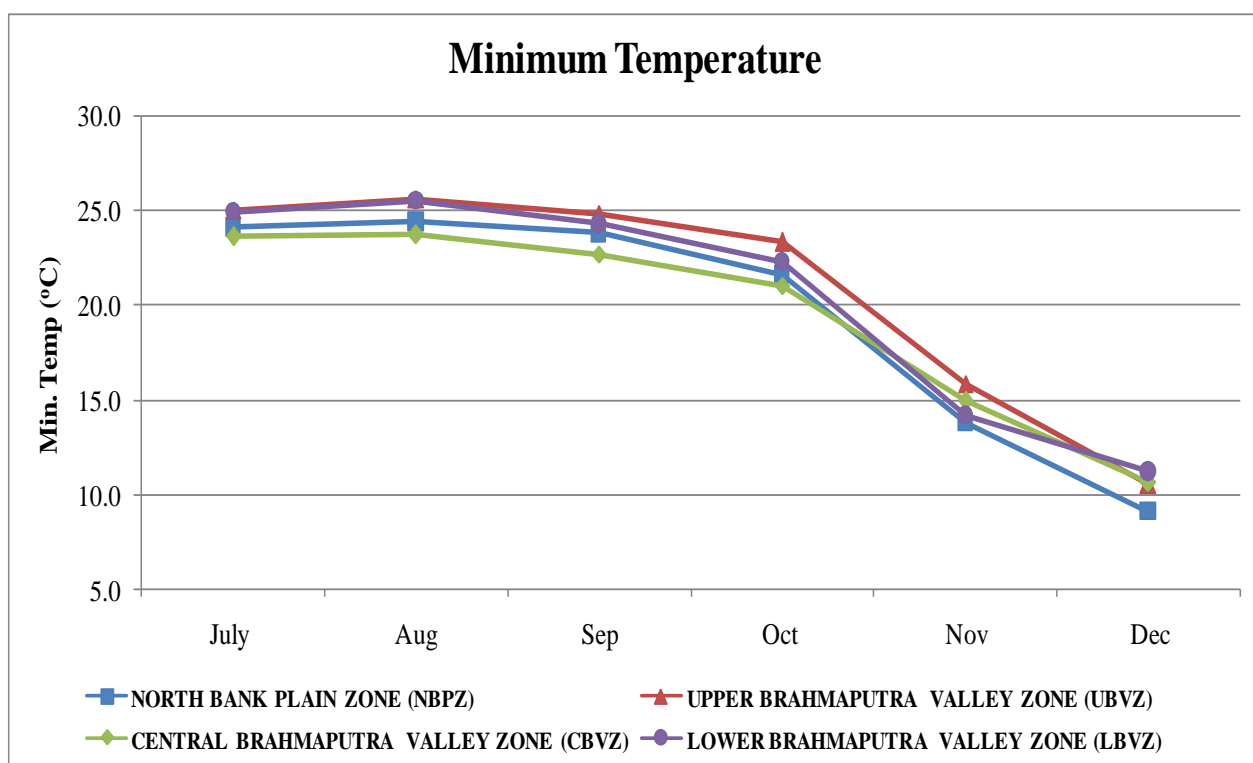


Fig 3: Minimum temperature variation among Zones (July-December, 2020)

1.4.2 Rainfall (mm)

Fig. 4 shows the monthly rainfall at various locations in Assam. The total rainfall (July-December, 2020) during the crop season varied among zones and was recorded the highest in July (1557.9 mm) and September (1412.0 mm) in Lower Brahmaputra Valley Zone (LBVZ), followed by September (300.8 mm) in Central Brahmaputra Valley Zone (CBVZ). Almost all zones received sufficient rainfall for proper sowing of crop except LBVZ. The heavy rain fall during September (1412.0 mm) in Lower Brahmaputra Valley Zone (LBVZ) delayed the rapeseed-mustard sowing in the Zone. During October to December the rainfall ranged 4.0 mm in Upper Brahmaputra Valley Zone (UBVZ) to 266.2 mm in Central Brahmaputra Valley Zone (CBVZ).

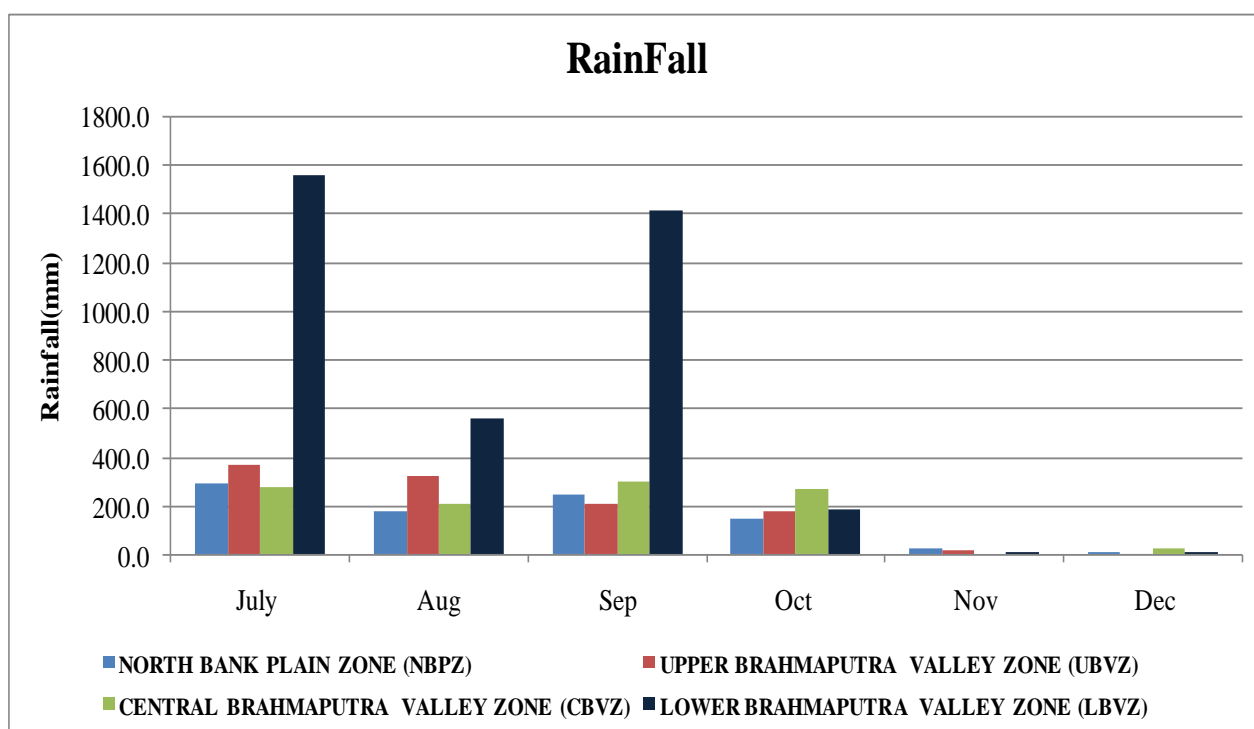


Fig. 4: Rainfall in different zones during different months



Chapter 2: Technical Report



2. PROGRESS OF THE PERIOD MAY 2020-JANUARY 2021

2.1 Organization of a review meeting:

An online review meeting of the project, chaired by Ms. Laya Madduri, SPD, ARIAS Society was held on 11th June 2020 at 10:00 AM. The Chief Advisor of the project and Director, ICAR-DRMR, Dr. P. K. Rai made a detailed presentation of the project.

2.2 Joining of the contractual Staff members in the Project:

After approval of the project on April 28, 2020 (Contract Number: OPIU Agri/APART/DRMR/23/ dated: 28th April 2020), the selection process of all contractual staff was completed before July 5, 2020. All Research Associates, DEO, Accountant and Resident consultant joined the project during July- August 2020.

2.3 Survey of the clusters:

After joining the Research Associates in all selected districts, a detailed survey of all the selected clusters was done to study weather condition, rainfall pattern, soil type, cropping pattern, major crops, resources availability, status of mustard cultivation, insect-pest and disease problems in the areas, seasonal crop activity, irrigation facilities, etc. **The detailed information of districts and cluster is given in Annexure-I**

2.4 Laying out of crop demonstrations: Crop demonstration is the method of motivating farmers for adoption of new varieties and techniques by showing their distinctly superior result. Crop demonstration shows the advantages and applicability of a newly recommended practice in farmer's own situation. Demonstrations are conducted on the farm of selected farmers and are utilized to educate and motivate groups of people in their neighborhood. This is very effective method for the transfer of technology and build up confidence in the farmers and extension agents. Demonstrations may stimulate farmers to try out innovations themselves or may even replace a test of the innovation by the farmers. They can show the causes of problems and their possible solutions without complicated technical details. Under the project, it was planned to organize mustard crop demonstrations on small plots of 0.25 ha area along with 0.05 ha. of control plot to provide practical learning situation and show the production potential of newly released varieties and crop management and protection practices of rapeseed-mustard to farmers, extension personnel and all other stakeholders at farmers' field.

The selection of the sites for conducting demonstrations was done by ATMA personnel of respective districts in consultation with concerned stakeholders and Research Associates of the project keeping in view of that it should be easily accessible to farmers of neighboring villages and extension workers coming from different parts of the district. Identification of beneficiaries for demonstration was carried out by the Implementing agency as per the requirement/aptitude of the farmers to conduct the demonstrations. Preference for demonstration was given to the socio-economically backward / small/ marginal / ST / SC / OBC farmers. The selected demonstrating farmers are progressive one with lead and who is easily approachable by other farmers & extension workers. During 2020-21, 20 mustard crop demonstrations in each of the selected 22 clusters were approved. Accordingly a total of 440 mustard crop demonstrations in seven selected

districts were laid out. Alongwith mustard crop demonstrations, 20 minikit demonstrations in each of the selected clusters were also laid out. The minikit demonstrations are accelerating informal dissemination of scientific cultivation of mustard from farmer to farmer through the introduction, exposure, experience, for acceptance of new varieties. These minikits would help farmers and other stakeholders to grow, observe and experience the performance of the introduced variety and develop learning for self and the associated community. This intends to create awareness in the region and thereby producing demand and a market for the variety for the future. This will also make seeds available in the next season.

Table 2: Progress of crop demonstrations and minikits during crop season 2020-21

SN	Activities	Target	Achieved
1.	Climate resilient production demonstrations	440	440
2	Minikit demonstrations	440	440

In addition, as a new step in mustard value chain- production side interventions, 9000 minikits have been distributed. In each minikit, one Kg seed was provided to each farmer to compare it with other existing varieties.

Based on the climatic situation, cultivation of rapeseed-mustard, prevailing cropping pattern and resources in Assam, these demonstrations were conducted with three improved varieties of Indian mustard viz. NRCHB-101 (227), PM-28 (132) and DRMR-150-35 (65) and one variety of tori a, viz. TS-38 (16) along with crop management and protection technologies like line sowing, proper seed rate, seed treatment, proper plant population, thinning, weeding, intercultural operation, management of pest and diseases, etc. The seed of these improved varieties were directly supplied by ICAR-DRMR to DAOs of seven selected APART mustard districts. The seed was made available to them before Oct. 26, 2020. The seed of demonstrated variety along with required fertilizers and need based fungicides/pesticides were given to selected farmers for crop demonstration along with seed alone for control plot. Under minikit demonstrations, only one kg seed of improved variety was supplied to the farmers. The district wise details of varieties in mustard crop demonstrations and minikit demonstrations are given in Table 3.

Table 3: Distribution of varieties in mustard crop demonstrations and minikit demonstrations.

S. No.	District (No. of Demo)	NRCHB- 101 (No. of Demo)		PM- 28 (No. of Demo)		DRMR 150-35 (No. of Demo)		TS-38 (No. of Demo)	
		Demo	minikit	Demo	minikit	Demo	minikit	Demo	minikit
1	Dhubri (100)	45	50	35	-	20	-	-	-
2	Sonitpur (100)	45	85	35	-	20	-	-	15
3	Darrang	35	45	15	-	10	-	-	15

	(60)								
4	Golagat (60)	31	50	17	4	-	-	12	6
5	Jorhat (60)	41	54	15	-	-	-	4	6
6	Sibsagar (40)	20	30	10	-	10	-	-	10
7	Morigaon (20)	10	15	5	-	5	-	-	5
Total	440	227	379	132	4	65	-	16	57

The high temperature in the month of October and late withdrawal of monsoon (up to last October to first week of Nov. at some places) caused delay in sowing of the crops at some places. Keeping in view of rainfall and land preparation in different clusters, the sowing was completed by 2nd half of Nov. 2020

The broadcasting method of sowing of mustard was prevailing in the Assam. The line sowing of mustard has several advantages, therefore, effort was done to adopt the line sowing method for conducting mustard crop demonstrations. For the first time in more than 60% demonstrations, line sowing was followed with the efforts of ICAR-DRMR.

Cluster wise information for crop demonstration: The demonstrations were laid out in 80 selected villages of 22 clusters in seven selected districts, identified by APART for mustard cultivation (Table 4).

Table 4: The cluster and village wise details of varieties in mustard crop demonstrations

S N	District	Cluster	Village	No. of demo	No. of demo on varieties			
					NRCHB -101	PM -28	DRMR - 150-35	TS -38
1	Dhubri	Gauripur	Tisterpar,	7	3	2	2	-
			Kismat Hasdaha -II	6	2	2	2	-
			Madhusoulmari-1	3	3	-	-	-
			Khudimari- II	5	-	2	3	-
		Rupshi	East gaikhowa-II	6	2	2	2	-
			Sukhatikhata	7	2	2	3	-
			Chapgarh-I	4	-	2	2	-
			Rowa-I	4	-	-	4	-
			Tiamari-I	3	3	-	-	-
		Agomani	Kherbari-I	9	4	1	4	-
			Jinkata	2	-	1	1	-
			Dighaltari	5	4	-	1	-

		Chaper Salkocha	Simlabadi	12	4	4	4	-
		Mahamaya	Lalkura	3	3	-	-	-
			Dhirerchar	5	5	-	-	-
			Sildanga	2	1	1	-	-
			Patakata-II	7	-	2	5	-
			Dalaneralga-II	3	3	-	-	-
			Jharmura	7	7	-	-	-
2	Sonitpur	Dhekiajuli	Ansaipur	13	4	6	3	-
			GorparaPathar	7	2	3	2	-
		Bihaguri	Bhalukekhowa	10	4	6	-	-
			Bapubheti	10	2	3	5	-
		Gabharu	Da ParbatiaLeng Chuburi,	7	2	3	2	-
			Boga Bora Cuburi	11	4	5	2	-
		Balipara	Da Beseria	2	-	1	1	-
			Mansiri Roumari	9	1	8	-	-
			Sotai Milanpur	10	3	-	7	-
			Napam (parmaighuti)	1	1	-	-	-
		Chaiduar	Borjahabari	10	10	-	-	-
			Bakoridoloni	10	10	-	-	-
3	Darrang	Sipajhar	Basachub	5	-	2	2	1
			Jayantipur	3	1	2	-	-
			Titkhushi	2	1	-	1	-
			Sanowa	5	-	-	1	4
			Haldhha	5	1	1	1	2
		Bechimari	No. 1 Bargarakhuti	5	4	1	-	-
			Nagaon	4	2	2	-	-
			No. 2 Bahajar	5	2	-	3	-
			Dalgaon	1	-	1	-	-
			No.3 Bahajar	1	-	-	1	-
			No.1 Borgaon	1	-	1	-	-
			Barjhar	3	2	-	1	-
		Pachim-mangaldai	Chamuapara	7	6	1	-	-
			Niz Rangamati	3	2	1	-	-
			Barthekerabri	2	1	1	-	-
			Gariapara	2	1	1	-	-

			Manitari	6	5	1	-	-
4	Golaghat	Podumoni	Kathkothia	7	7	-	-	-
			Da-chamua	7	-	4	-	3
			Kuwaripather	6	-	3	-	3
		Kakodonga	Dhimaji Miri	7	7	-	-	-
			Notun Chapori	7	7	-	-	-
			Shiristika	5	-	5	-	-
			Dergaon	1	-	1	-	-
		Bokakhat	Japoripather	7	4	1	-	2
			Difflopathar	7	5	1	-	1
			Lukhrakhonia	6	4	1	-	1
5	Jorhat	Kaliapani	Duliyagaon	4	4	-	-	-
			Koiboitrangoarh	4	3	-	-	1
			Bhakatgoan	7	4	3	-	-
			Kumargoan	4	3	-	-	1
			Japongoan	7	3	2	-	2
		Majuli	Mohkina,	4	2	2	-	-
			Milan Madhupur	4	1	3	-	-
			Borbari	4	4	-	-	-
			Rowmora	4	4	-	-	-
		Ujani Majuli	Borbil	4	2	2	-	-
			Mudoibill	4	4	-	-	-
			Major deori	5	2	3	-	-
			Chiramdeori	5	5	-	-	-
6	Sivasagar	Demow	Majumelia	7	4	1	2	-
			Gorukhuti	7	3	2	2	-
			Khanikargaon	6	3	3	-	-
		Gaurisagar	Namdongia,Bongali	7	4	1	2	-
			Deogharia	7	5	1	1	-
			Decial	6	1	2	3	-
7	Morigaon	Mayong	Sativeti,	7	4	2	1	-
			Botabori	7	2	3	2	-
			Hatimuria	6	6	-	-	-
	Total			440	227	132	65	16

Regular visits and monitoring of the crop demonstrations and minikit demonstrations are being done by Research Associates and ATMA personnel to educate and motivate the farmers to

adopt crop management practices like thinning, intercultural operations, weeding, applying irrigation, management of insects and diseases, etc.

Table 5: Summary of crop demonstrations organized by ICAR-DRMR during 2020-21

SN	Activity	Target (No.)	Achieved (No.)	Beneficiaries (No.)	Beneficiaries (No.)						
					Gender		Social Category				Total
					Male	Female	Gen	OBC	SC	ST	
1	Crop Demonstrations	440	440	440	337	103	168	188	25	59	440

Glimpses of different activities done for Crop Demonstrations in Darrang district under ICAR-DRMR APART programme



Input distribution



Sowing by tractor



Sowing by deshi plough



Germination in line sowing



Thinning by farmers



Weeding by farmer

Glimpses of different activities done for Crop Demonstrations in **Jorhat district under ICAR-DRMR APART programme**



Input distribution



Preparation for line sowing



Line Sowing



Germination in line sowing



Thinning by farmers



Weeding by farmers

Glimpses of different activities done for Crop Demonstrations in **Golaghat district under ICAR-DRMR APART programme**



Input distribution



Line sowing



Germination in Line sowing



Thinning by farmers



Thinning by farmers



Weeding by farmers

Glimpses of different activities done for Crop Demonstrations in **Dhubri district under ICAR-DRMR APART programme**



Input distribution



Line sowing



Germination in line Sowing



Thinning by farmer



Line sowing crops



Monitoring of demonstration by experts

Glimpses of different activities done for Crop Demonstrations in Sonitpur district under ICAR-DRMR APART programme



Input distribution



Line sowing



Germination in line Sowing



Thinning by farmer



Thinning by farmer



Spray on the crop

Glimpses of different activities done for Crop Demonstrations in Sivsagar district under ICAR-DRMR APART programme



Input distribution



Line sowing



Germination in line Sowing



Thinning by farmer



Thinning by farmer



Monitoring of the crop

Glimpses of different activities done for Crop Demonstrations in **Morigaon district under ICAR-DRMR APART programme**



Input distribution



Line sowing by tractor



Germination in line Sowing



Thinning by farmer



Top dressing of Urea



Weeding by the farmers

2.5 Master Training Programme on “Scientific Production Technologies of Rapeseed-Mustard”

The objective of a training is to enhance performance and betterment of knowledge, skills and efficiency of the work done by personnel. ICAR-DRMR is providing technical backstopping, arranging human resources, creating awareness and capacity building of all stakeholders about improved varieties and scientific cultivation of rapeseed-mustard under the project. It was planned that a team of trained and skilled extension personnel as Master trainers with better knowledge and understanding of technology and methods in scientific production and protection of rapeseed-mustard for dissemination among farmers would be developed. Programme aims at creating Master Trainers (MTs) at the district level to achieve scale and ensure sustainability of extension programmes. The MTs are extension agents of the State Department of Agriculture and APART district level staff. MTs, thus developed under the programme, will further support other stakeholders, including farmers and service providers.

In order to maximize the oilseeds production, it need not be stressed too strongly that the extension personnel and ultimately farmers must know what is happening in the research fields at all times. As per the approved activity for 2020-21 under the project, two trainings of 2 days each for master trainers (40 participants of both trainings) was planned to be conducted. The organization of physical training was not feasible due to Covid-19 situation. Therefore, both the trainings programmes were organized simultaneously in online mode for this year with the approval of the competent authority.

Masters Trainers training programme of 2 days on "Scientific technology of rapeseed-mustard for Assam" was organized during 4-5 November, 2020 with the following major objectives:

1. To refresh and upgrade the participants' knowledge and skill on various aspects of scientific production and protection technology of rapeseed-mustard.
2. To develop a team of trained extension personnel capable to exploit extension approaches for effective dissemination of scientific cultivation practices to the farmers for sustainable production of rapeseed-mustard

Content of the training

The training of master trainers has covered all aspects of technology interventions that contribute for higher production of rapeseed-mustard. The subject matter training included improved varieties, agronomic practices of rapeseed-mustard, seed treatment, soil treatment, line sowing, plant geometry, irrigation management, balanced use of fertilizers through identification of nutrient deficiency symptoms, identification of pest and diseases and their management, quality oil extraction, seed production techniques, harvesting, threshing and storage management, methodology of conducting demonstrations, Use of IT for accessing agriculture information, etc. Detailed training schedule is presented in Table 6.

Table 6: Training Schedule of Master Training Programme

Date	Time	Topics	Speakers
4-11-2020	9:30AM-10:00 AM	Registration and introduction of the participants	Dr. Vinod Kumar
	10:00 AM-10:05 AM	Welcome	Dr. A.K. Sharma
	10:05 AM-10:15 AM	Opening Remarks	Director, DoA, Assam
	10:15 AM-10:25 AM	Remarks	SPD, ARIAS Society
	10:25 AM-10:45 AM	Rapeseed-mustard in national perspective	Director, ICAR-DRMR
	10:45 AM-11:15 AM	An overview of DRMR-APART programme and Strategies to enhance rapeseed-mustard production in Assam	Director, ICAR-DRMR
	11:15 AM-12:00 Noon	Scope and challenges of rapeseed-mustard production in Assam	Dr. G.N. Hazarika
	12:00 N-1:00 PM	Rapeseed-mustard crop introduction and important varieties.	Dr. Arun Kumar
	1:00 PM-2:00 PM	Lunch break	-
	2:00 PM-3:00 PM	Integrated agro production technology of rapeseed-mustard.	Dr. Harvir Singh
	3:00 PM-4:00 PM	Integrated nutrient management in rapeseed-mustard	Dr. Ashok Kumar Sharma
	4:00 PM-5:00 PM	Integrated disease management in rapeseed-mustard	Dr. Pankaj Sharma
5-11-2020	10:00 AM-11:30 AM	Integrated pest management in rapeseed-mustard	Dr. Pankaj Sharma
	11:30 AM-1:00 PM	Post-harvest management and Important farm Implements for rapeseed-mustard cultivation	Dr. Harvir Singh
	1:00 PM-2:00 PM	Lunch break	-
	2:00 PM-3:00 PM	Adoption and dissemination of farm innovations: problems and solution	Dr. Ashok Sharma
	3:00 PM-4:00 PM	Use of ICT for enhancing rapeseed-mustard production.	Dr. Vinod Kumar
	4:00 PM-4:30 PM	Question-Answer and Discussion Session	All experts
	4:30 PM-4:50 PM	Suggestions	Nodal Officer, APART; Mr. Raosahab Bendre
	4:50 PM-5:00 PM	Concluding Remarks	Director, ICAR-DRMR

Participants of the training

Field and middle level agricultural extension officials from the State Department of Agriculture, Govt. of Assam like ADO/ BTM/ATM and RA/SRF of DRMR-APART Project from all the selected mustard clusters of the districts Jorhat, Sivsagar, Sonitpur, Darrang, Dhubri, Golaghat and Morigaon participated in this two days training programme. Since training was organized online, therefore, participants from Nalbari, Kamrup, Nagaon, Tinsukia, Hojai also participated in the programme. A total of 61 field level extension workers from 12 districts of Assam participated in this training programme. Table 7 shows the detailed list of the participants

Table 7: List of Participants of Master Trainers organized ICAR-DRMR during 4-5 November 2020

SN	Name of Participants	Designation & Block	E-Mail ID	Contact No.
1	Urmil Barthakur	ADO, Mukalmua, Nalbari	ubarthakur@gmail.com	7896487526
2	Jyotish Barman	BTM, Pub Nalbari Dev. Nalbari	barmanjyotish38@gmail.com	8486167792
3	Abdul Aziz	ATM, Barkhetri Dev. Nalbari	azizabdul7079@gmail.com	9101036714
4	Pranab Talukdar	AEA, Ghograpar, Nalbari	pranabtalukdar2020@gmail.com	9401080042
5	Mokshedur Rahman	BTM, Bihdia Jajikona Dev, Kamrup	mokshedur.rahman87@gmail.com	9864741435
6	Mayur Baruah	ADO, Kaliabor, Nagaon	mayurb173@gmail.com	7002097470
7	Biman Saikia	BTM, Bajiagaon, Nagaon	bsaikia.d@gmail.com	9854748986
8	Swapna Gogoi	BTM, Hojai	btmudali@gmail.com	8638968250
9	Dipankar Choudhury	ADO, Balajan, Dhubri	babu.choudhury71@gmail.com	9435327540
10	Jabir Ahmed	ADO, Halakura, Dhubri	jabirahmed607@gmail.com	8753802353
11	Afsar Ali Khan	ATM, Birsing Jarua, Dhubri	khan.afsarali@gmail.com	8402873518
12	Saiful Islam	ATM, Agomani, Dhubri.	saifullovly@gmail.com	7002774026
13	Nur Alom Sarkar	ATM, Bilasipara, Dhubri	nuralomsarkar783371@gmail.com	7896414386
14	Hariprakash Lagashu	ADO, Dhekorgorah, Jorhat	hariprakashlagashu12@gmail.com	9954444149
15	Suman Parasar	ATM, Kaliapani, Jorhat	sumanparasar99@gmail.com	8133072149
16	Madhav pegu	ATM, Ujani Majuli, Jorhat	madzpegu@gmail.com	8638688071
17	Pranjit Bhuyan	BTM, Majuli, Jorhat	pbhuyan.karaaau@gmail.com	7896261184
18	Ankur Goswami	DAMC, Jorhat	damcapartjorhat@gmail.com	8812859333

19	DR. Brakesj Kumar Mishra	R.A., Morigaon	brajeshmishraphd@gmail.com	9838554884
20	Pabitra Deuri	BTM, Mayong , Morigaon	prabitradeuri1974@gmail.com	9954031402
21	Abhijit Bordoloi	BTM, Bhurbandha, Morigaon	abhijit4@gmail.com	8011577190
22	Luna Baruah	ADO, Bhurbandha, Morigaon	lunakina.baruah@gmail.com	9707463936
23	Madhurjya Hazarika	ADO, Moirabari, Morigaon,	hazarikamadhurjya1@gmail.com	7896853667
24	Kasturi shivam	ADO, Jagibhakatgaon, Jorhat	kasturi.3309@gmail.com	7002250594
25	Gaurav Kashyap	ADO, Gossorguri, Morigaon	gkashyap359@gmail.com	9678211226
26	Supriya Borah	ADO, Jagiroad, Morigaon	supriyaborah879@gmail.com	9706096544
27	Dipanka Barik	ADO, Mikirbheta, Morigaon	dipanka.barik@gmail.com	9101394529
28	Shamim	ADO, Duni, Darrang Mangaldai	shamim.asm@gmail.com	9864078858
29	Murchana Malakar	ADO, Kharupetia, Darrang Mangaldai	murchanamalakar0@gmail.com	7002525008
30	Sanghamitra Shyam	ADO, Sipajhar, Darrang Mangaldai	s.sanghamitra12@gmail.com	9101268211
31	Bhashwati Sharma	ADO, Pub. Rangamati, Darrang Mangaldai	bhashwatisharma124@gmail.com	8638001694
32	Dr Vipin Kumar Sharma	R.A., APART (DRMR), Darrang Mangaldai	mr.vipinsharma007@gmail.com	9821865261
33	Sankar Nath	BTM, Sipajhar , Darrang Mangaldai	sankar.atma@gmail.com	9854636670
34	Nitul Kalita	BTM, Bechimari, Darrang Mangaldai	nitulbio@gmail.com	7002719116
35	Tarun Saikia	BTM, Pachim Mangaldai, Darrang	drtarunsaikia@gmail.com	9365226653
36	Priyanka Sharma	SRF, DRMR, Sonitpur	sprianca133@gmail.com	7060559326
37	Krishna Dihingia	BTM, Chaiduar , Sonitpur	krishnadihingia18@gmail.com	8486404253
38	Nilanjan Saikia	BTM, Gabharu , Sonitpur	nilanjan.saikia@gmail.com	9365529691
39	Mousum Jyoti Dutta	ATM, Podumoni , Golaghat	mousumjyotidutta@gmail.com	8876266664
40	Ankurjyoti Sarma	BTM, Sarupather, Golaghat	ankur4u10@gmail.com	9706228064
41	Ujjal jyoti	AEA Shivsagar	ujjalsarmah@gmail.com	7002377948
42	Deva Jyoti Baruah	BTM, Gorisagar, Shivsagar	devajyotibaruah1@gmail.com	9954533447

43	Pallabi Borah	ATM, Gorisagar, Shivsagar	pallabibrh@gmail.com	9954883479
44	Pubali Buragohain	ATM, Demow, Shivsagar	julibgohain@gmail.com	8638890804
45	Priyakshi Buragohain	R.A., Shivsagar	pburagohain131@gmail.com	9508344918
46	Dr. Hadi Husain Khan	R.A., Dhubri	hhkhan.amu.786@gmail.com	9140850518
47	Narpat Singh	R.A., ICAR-DRMR	dr.narpatextn@gmail.com	8058089152
48	Rimi Deuri	R.A., Jorhat	rimsjita@gmail.com	8876057539
49	Bandhan Subba	R.A., Golaghat	bandhan_subba@rediffmail.com	8101455138
50	Priyanka Saikia	BTM, Demow, Shivsagar	priyankasbora@gmail.com	8474052005
51	Jayanta Madhab Dutta	ATM, Majuli	jayantamadhabdutta@gmail.com	8723938498
52	Deepshikha Sonowal	ATM, Baliyapara, Sonitpur	deepshikha10101@gmail.com	8486780963
53	Romen Basumatary	BTM, Bokakhat, Golaghat	romen.Basumatary@gmail.com	9401355161
54	Nilkamal Bora	ADO, Gerua, Morigaon	nkboral4@gmail.com	8638609581
55	Raj Goswami	ADO, Kamarkuchi, Nalbari	raj.goswami4480@gmail.com	9706571222
56	Anil Medhi	BTM, Hajo, Kamrup	kalpanabhuyanmedhi@gmail.com	9706213255
57	Jotsna Bramin	BTM, Dhalpukhuri, Nagaon	btmdhalpukhuri@gmail.com	9957207281
58	Girindra nath Hazarika	Resident Consultant, APART Project	gnhazarika@yahoo.com	9435096186
59	Bikha Timung	BTM, Kakodoga, Golaghat	timungbikha0471@gmail.com	9678254380
60	Hari Prakash Lagashu	ADO, Ujani Majuli, Jorhat	Hariprakashlagashu12@gmail.com	9954444149
61	Shah Sultan Giasuddin ahmed	BTM Rangia, Kamrup	ahmedshahsultan1@gmail.com	9864140342

Output of the training

The capacity development of extension functionaries in Assam will amplify the rapeseed-mustard technology dissemination process and builds strong institutional capacity for sustaining the cost-effective technology delivery system. The availability of these trained personnel will ensure that the sustainable dissemination of rapeseed-mustard technology to the large number of farmers even after the exit of the project .

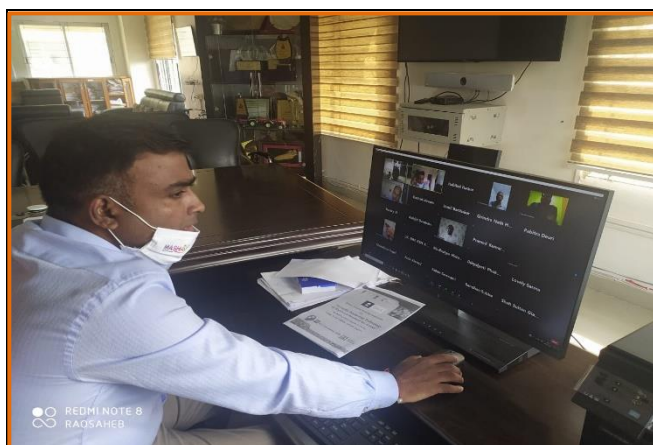
Table 8: Summary of Master Training Programme organized by ICAR-DRMR

SN	Activity	Target	Achieved	Beneficiaries	Districts covered (No.)
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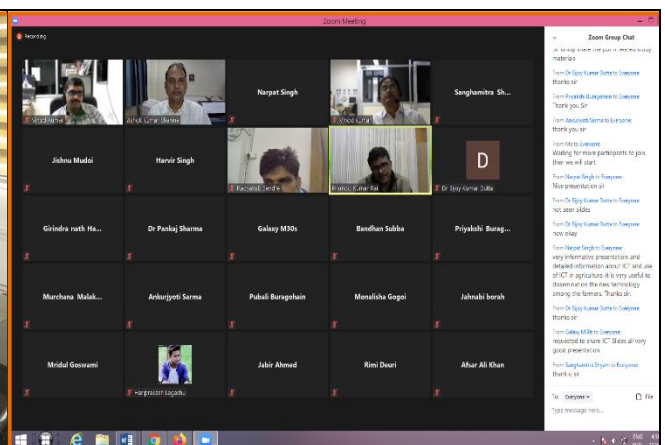
		(No.)	(No.)	(No.)	
1	Masters' Training Programme	02	02	61	12 (Jorhat, Sivsagar, Sonitpur, Darrang, Dhubri, Golaghat, Morigaon, Nalbari, Kamrup, Nagaon, Tinsukia, Hojai

The training brochure is given in Annexure-II

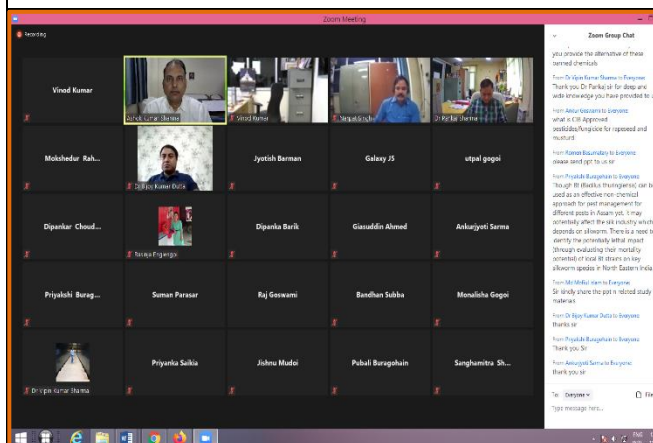
Glimpses of Master Training Programme organized during 4-5 November 2020 under ICAR-DRMR APART programme



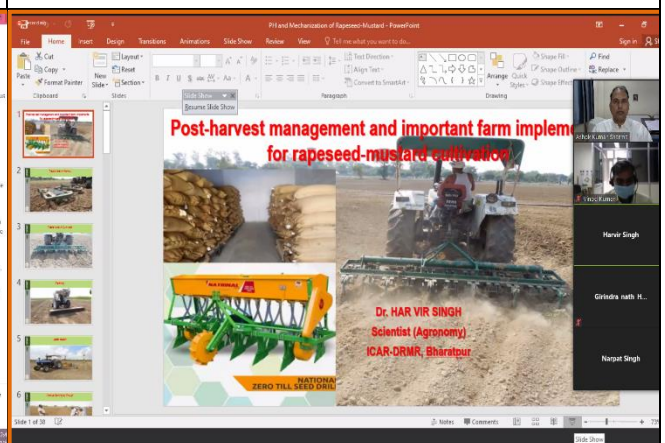
**Inauguration by Director of Agriculture,
DoA, Gov. of Assam**



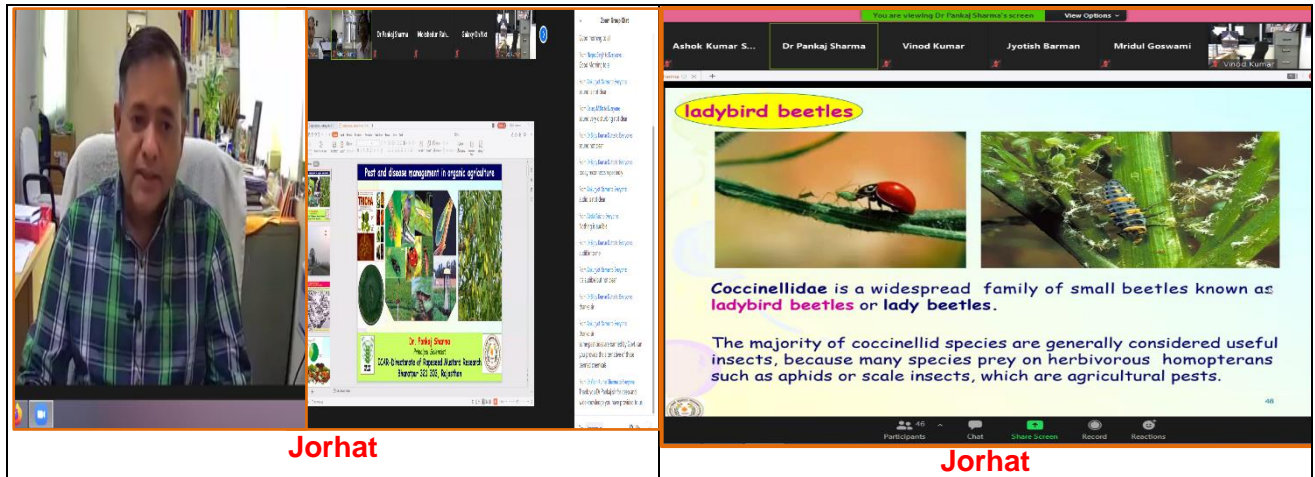
Remarks by Director, ICAR-DRMR



Discussion with participants



Presentation by experts



2.6 Training of progressive farmers on "Technological Empowerment of Farmers for Sustainable Production of Rapeseed-Mustard in Assam"

Progressive farmers are persons in farming system who are sought out for information and advice on agriculture. They are able to informally influence others' knowledge, attitudes or behavior in a desired way. Such people are respected in social system to whom other farmers look for advice and information and who through such consultations, influence their behavior and actions. A progressive farmer at village level would be very useful in extending the reach of the agriculture extension system up to the farmer level. At present the ratio of the farmers to the extension workers is 1500:1 which presents a break scenario. While farmers in India without access to formal extension services, use farmer-to-farmer communication. Most farmers also prefer fellow farmers as their major source of information. A strong, vibrant and responsive farmers-to-farmers extension system which can play a pivotal role in enabling the system to achieve the planned objective of faster, sustainable and more inclusive agricultural growth, is the need of the hour. Under the programme, it has been planned that a team of trained and skilled progressive farmers with better knowledge and understanding of technology and methods in scientific production and protection technology of rapeseed-mustard for adoption by them and also dissemination among their fellow farmers will be developed.

To enhance the production and productivity of rapeseed-mustard, farmers must know and adopt the latest research technological advances and scientific recommendations. As per the approved activity for 2020-21 under the project, two trainings of 2 days each for farmers (60 participants of both trainings) was planned to be conducted. The organization of physical training at one place was not feasible due to Covid-19 situation. Therefore, it was planned to conduct these both trainings programmes simultaneously. All physical arrangement of training was done at respective DAOs office of the selected districts. All the nominated farmers participated in the training at their respective DAOs office and training was provided through online mode by experts of ICAR-DRMR with the approval of the competent authority.

ICAR-DRMR has organized both two days farmers training programme simultaneously on "Technological Empowerment of Farmers for Sustainable Production of Rapeseed-Mustard in Assam" during 28-29 December, 2020 with the following major objectives:

1. To refresh and upgrade the participants' knowledge and skill on various aspects of protection technology of rapeseed-mustard.
2. To increase the adoption of scientific recommendations of rapeseed-mustard cultivation by the farmers
3. To develop a team of trained farmers capable enough for effective dissemination of scientific cultivation practices to their fellow farmers for sustainable production of rapeseed-mustard.

Content of the training

The subject matter training included improved varieties, agronomic practices of rapeseed-mustard, seed treatment, soil treatment, line sowing, plant geometry, irrigation management, balanced use of fertilizers through identification of nutrient deficiency symptoms, identification of

pest and diseases and their management, quality oil extraction, seed production techniques, harvesting, threshing and storage management, use of IT for accessing agriculture information, etc. Detailed training schedule is presented in Table 9.

Table 9: Training Schedule of Farmers Training Programme

Date	Time	Topics	Speakers
28-12-2020	9:30AM-10:00 AM	Registration of the participants	ATMA
	10:00 AM-10:05 AM	Welcome	Dr. G.N. Hazarika
	10:05 AM-10:15 AM	Opening Remarks	Director, DoA, Assam
	10:15 AM-10:25 AM	Remarks	SPD, ARIAS Society
	10:25 AM-10:35 AM	Remarks	Dr. P. Rai Director, ICAR-DRMR
	10:35 AM-11:05 AM	Strategies to enhance rapeseed-mustard production in Assam	Dr. P. Rai Director, ICAR-DRMR
	11:05 AM-11:35 AM	Scope and challenges of rapeseed-mustard production in Assam	Dr. G.N. Hazarika
	11:35 N-12:30 PM	Rapeseed-mustard crop introduction and important varieties.	Dr. Arun Kumar
	12:30 PM-2:00 PM	Lunch break	-
	2:00 PM-3:00 PM	Integrated agro production technology of rapeseed-mustard.	Dr. Harvir Singh
29-12-2020	3:00 PM-4:00 PM	Integrated nutrient management in rapeseed-mustard	Dr. Ashok Kumar Sharma
	10:00 AM-11:30 AM	Integrated disease-pest management in rapeseed-mustard	Dr. Pankaj Sharma
	11:30 AM-1:00 PM	Post-harvest management and Important farm Implements for rapeseed-mustard cultivation	Dr. Harvir Singh
	1:00 PM-2:00 PM	Lunch break	-
	2:00 PM-3:00 PM	Use of ICT for enhancing rapeseed-mustard production.	Dr. Vinod Kumar
	3:00 PM-3:30 PM	Question-Answer and Discussion Session	All experts
	3:30 PM-3:50 PM	Suggestions	Nodal Officer, APART/ Mr. Raosahab Bendre
	3:50 PM-4:00 PM	Concluding Remarks	Director, ICAR-DRMR

Participants of training

The State Department of Agriculture, Govt. of Assam nominated at least three farmers from each mustard cluster from the farmers who were selected for rapeseed-mustard crop demonstrations for 2020-21 in project area of ICAR-DRMR-APART for the said training

programme. All the nominated farmers were called at respective DAOs office of their districts viz. Jorhat, Sivasagar, Sonitpur, Darrang, Dhubri, Golaghat and Morigaon selected under ICAR-DRMR-APART programme. A total of 68 farmers from seven selected districts participated in this training programme. Table 10 shows the detailed list of the participants.

Table 10: List of Participants of farmers training organized ICAR-DRMR during 28-29 Dec. 2020

SN	Name of Farmer	Father's Name	Caste	M/F	Village	Cluster/ Block	Mobile
A	District: Dhubri						
1	Surojit Chakravorty	Lt. Anil Chakravorty	Gen	M	Khudimari Pt-II	Gauripur	9085746584
2	Hares Ali	Lt. Ramjan Ali	Gen	M	Simlabari	Chapar-Salkocha	6901545113
3	Abu Shama Khan	Lt. Parbat Ali Khan	Gen	M	Simlabari	Chapar-Salkocha	8473043661
4	Komor Ali	Mr. Sohor Ali	Gen	M	Simlabari	Chapar-Salkocha	9864114830
5	Hazrat Ali	Lt. Raham Ali	Gen	M	Dalaneralga - II	Mahamaya	6001760986
6	Abdul Hamid	GedaBoksha	Gen	M	Tistepar	Gauripur	7636980984
7	Nurjahan Bibi	Hifzur Rahman Prodhani	Gen	F	Madhusoulmari Pt-I	Gauripur	6913937424
8	Jabed Ali	Amatulla Sk	Gen	M	RowaPt-I	Rupshi	9957530600
9	Mantu Sk	Samser Ali	Gen	M	RowaPt-I	Rupshi	6000745288
10	Nobiran Khatun	Lalchand Ali	Gen	F	Patakata-II	Mahamaya	6001038938
11	Asir Uddin	Lt. Raham Ali	Gen	M	Dalaneralga - II	Mahamaya	6002234067
12	Fatema Bibi	A. Rahim Sk	Gen	F	KherbariPt-I	Agomani	7896572905
13	Fulbor Khan	Sabed Khan	Gen	M	KherbariPt-I	Agomani	9126106403
14	Manju Bala Barman	Bishgher Barman	OBC	M	KherbariPt-I	Agomani	8473884908
15	Aktar Hussain Mondal	Hobibar Rahman Mondal	Gen	M	ChapgarhPt-I	Rupshi	8812935046
B	District: Morigaon						
16	Dipen Deka	ManikDeka	OBC	M	Hatimuria	Mayoung	9859143234
17	Rupak Deka	LalitaDeka	OBC	M	Hatimuria	Mayoung	6000112772
18	Paresh Borah	Lt. Prabhat Ch. Borah	GEN	M	Hatimuria	Mayoung	7577012772
C	District: Jorhat						
19	Luku Dutta	Gunadhor Dutta	Gen	M	BhakatGaon	Kaliapani Development Block	9707139212
20	Ranjit Taye	MoniramTaye	ST	M	JapongGaon	Kaliapani Development Block	6003328009
21	Romesh Pegu	IndeswarPegu	ST	M	JapongGaon	Kaliapani Development Block	8822778412
22	RupaSenapati	Anil Senapati	OBC	F	Borbill	UjaniMajuli Dev. Block	9678309032
23	Anima Deori	KejiyaDeori	ST	F	Chiram Deuri	UjaniMajuli	6002660398

						Dev. Block	
24	Paban Senapati	Purna Senapati	OBC	M	Borbil	UjaniMajuli Dev. Block	9678653629
25	Jintumoni Devi	DilipSarmah	Gen	F	Mohkina	Majuli Dev. Block	9101542171
26	Hemanta Sarmah	Kumud Sarmah	Gen	M	Mohkina	Majuli Dev. Block	9957685162
27	Jintu Saikia	Durna Saikia	OBC	M	Borbari	Majuli Dev. Block	7896206470
D	District: Darrang						
28	Montu Gosh	Santosh Gosh	Gen.	M	No. 201 Bahajher	Bechimari	6379544378
29	Satya Ch. Biswas	Boloram Biswas	SC	M	No. 2 Barjhar	Bechimari	6001594397
30	Jayanta Das	Jagdish Das	SC	M	No. 2 Darrange Bahajher	Sipajhar	9954600889
31	Lohit	Lt.Kamiram Nath	OBC	M	Baraduse	Sipajhar	7002129217
32	Roman kakoti	Bhumidhar Kakoti	Gen.	M	Titkud	Sipajhar	9365249860
33	Nagen Chamua	Lt. Bhabin Chamua	OBC	M	Jayantipur	Sipajhar	9577644468
34	Minakshi Goswani	Kritikanta Goswani	Gen	F	Gaziypara	Pachim Mangaldai	6003118391
35	Rachita Begum	Ohab Ali	Gen	F	Chamuapar	Pachim Mangaldai	6002689789
36	Lakshya Berua	Choka Barua	Gen	M	Barthekera-bari	Pachim Mangaldai	8486849353
E	District: Sonitpur						
37	Ganesh Pradhan	Dhan Pradhan Bd.	OBC	M	Bakori Doloni	Chaiduar	7896437677
38	Mon Bahadur Pradhan	Lt. Nar Pradhan Bd.	OBC	M	Borjohabari	Chaiduar	6003355734
39	Lekhnath Mishra	Taranidhi Mishra	GEN	M	Bakori Doloni	Chaiduar	9613285098
40	HariKanta Das	Dandiram Das	SC	M	Bapubheti	Bihaguri	9101482593
41	Kamal Kumari Boro	Sameer Boro	ST	F	Bapubheti	Bihaguri	9957859809
42	Khagen Nath	Lt.Harimon Nath	OBC	M	Bhalukekhowa	Bihaguri	9706923596
43	Rabidhar Gogoi	BipinGogoi	OBC	M	Ghoramari	Balipara	8723822510
44	Pabitra Sharma	Giridhai Sharma	GEN	M	Rangajan	Balipara	8486267402
45	RanjitSaikia	Phunidhar Saikia	OBC	M	Rangajan	Balipara	8399992772

46	LokeshBorh	SamaBorh	OBC	M	Ghoramari	Balipara	7575957910
47	Soneshwar Basumatary	BollenBasumata ry	ST	M	Batasipur	Dhekiajuli	9365028601
48	Manik Das	Biswajit Das	SC	M	GorparaPathar	Dhekiajuli	7002416963
49	Krishna Dutta	Gauranga Dutta	GEN	M	GorparaPathar	Dhekiajuli	6002683668
50	Pradip Saikia	Lt. SeniramSaikia	OBC	M	Gabharupar	Dhekiajuli	7399910474
51	Apurba Das	Late Rupeswar Das	SC	M	Da Parbatia	Gabharu	6000786806
52	Sewali Borah	Kumud Borah	OBC	F	Da Parbatia	Gabharu	9127145499
53	BhabaKanta Nath	LamoRamNath	OBC	M	BogaboraChuburi	Gabharu	9678668401
F	District: Golaghat						
54	Bubul Hazarika	Lt. Nogen Hazarika	Gen	M	Dhemaji Miri	Kakodonga	9613359445
55	Rupantar Hazarika	Paban Hazarika	Gen	M	Dhemaji Miri	Kakodonga	6002611922
56	Biren Mudoi	Lt. Pokiram Mudoi	Gen	M	Shristika	Kakodonga	8011984177
57	Montu Saikia	Nogen Saikia	Gen	M	Shristika	Kakodonga	9365992078
58	Kalpana Chetry	Tilak Chetry	OBC	F	Da-hamau	Podumoni	8638617754
59	Khagendra Chetri	Lt. Karna Bahadur Chetri	OBC	M	Da-hamau	Podumoni	9101245490
60	Jadumoni Saikia	Lt. Upen Saikia	OBC	M	Kathkothia	Podumoni	9365171750
61	Krishna Chanda	Lt. Sukhamai Chanda	SC	M	Kathkothia	Podumoni	9101134179
62	Jiban Bora	Lt. Apuram Bora	OBC	M	Kathkothia	Podumoni	7636057788
G	Sivsagar						
63	Ratul Khaund,	Lt. Padmadhar Khaund	OBC	M	Deogharia	Gourisagar	7002131200
64	Diganta Kalita	Late Akon Kalita	OBC	M	Decial	Gourisagar	9101188760
65	Jagyeswar Borah	Late Susendra Borah	OBC	M	Namdongia Bongali	Gourisagar	6000178516
66	Raju Gogoi	Bolu Gogoi	OBC	M	Khanikar Gaon	Demow	6001355973
67	Bina Boruah	Utpal Boruah	OBC	F	Gorukhuti	Demow	8638731532
68	Jeena Borgohain	Niranjan Borgohain	ST	F	Gorukhuti	Demow	9365128859

Output of the training

The capacity development of farmers in Assam will augment the rapeseed-mustard technology dissemination process among farmers. The availability of these trained farmers will ensure that the sustainable dissemination of rapeseed-mustard technology to the large number of farmers even after the exit of the project.

Table 11: Summary of progressive farmers training programme organized by ICAR-DRMR

S N	Activity	Target (No.)	Achieved (No.)	Benefi ciaries (No.)	Beneficiaries (No.)						
					Gender		Social Category				Total
					Male	Female	Gen	OBC	SC	ST	
1	Progressive farmers training	02	02	68	55	13	31	26	5	6	68

The training brochure is given in Annexure-III

Glimpses of Farmers Training organized during 28-29 December 2020 under ICAR-DRMR APART programme



Inauguration by Director, ICAR-DRMR



Golaghat



Morigaon



Morigaon



Jorhat



Jorhat

Glimpses of Farmers Training organized during 28-29 December 2020 under ICAR-DRMR APART programme



Sonitpur



Sonitpur



Sivasagar



Sivasagar



Jorhat



Dhubri

2.7 Technical Trainings organized during the period reported

There were 88 technical trainings sessions linked with crop demonstration for 2020-21. One technical training is linked to five demonstration for 30 farmers. A total of 4 technical trainings in each of the selected 22 clusters of seven selected districts viz., Jorhat, Sivsagar, Sonitpur, Darrang, Dhubri, Golaghat and Morigaon were to be conducted during 2020-21 under the project. These training sessions would cover all aspects of production of mustard crop from land preparation to harvesting. These trainings were to also provide practical exposure to the farmers about scientific production and protection technology of mustard. The first phase of technical training for mustard crop demonstrations farmers on “Scientific production technology of rapeseed-mustard” was conducted cluster wise at Department of Agriculture/ATMA office/ block office of respective districts before sowing during November 2020. During the training, all participating farmers were distributed seeds and fertilizers for conducting crop demonstrations. The technical knowledge and skill about land preparation, seed treatment, fertilizer application, seed rate, sowing method, sowing time, spacing, etc. were provided to the participants by ICAR-DRMR. A total of 482 farmers and farm women participated in 22 technical trainings of first phase.

The second phase of technical training was conducted on “Best management practices for cultivation of rapeseed-mustard” during Nov. 2020-Jan 2021 at the time of vegetative growth of the crop at farmers’ field in each of the selected clusters. The technical knowledge and skill about weeding, hoeing, thinning, irrigation management, top dressing, etc. were provided to the participants by ICAR-DRMR during second phase of technical training. A total of 487 farmers and farm women participated in 22 technical trainings of second phase.

The third phase of technical training was conducted on “Insect pest & disease management practices in rapeseed-mustard” during January 2021 at the time of flowering stage of the crop at farmers’ field in each of the selected clusters. The technical knowledge and skill about identification of insect-pests, diseases, their management, types of pesticides, fungicides, precautions in spraying, etc. were provided to the participants by ICAR-DRMR during third phase of technical training. A total of 511 farmers and farm women participated in 22 technical trainings of third phase.

The fourth phase of technical training was conducted on “Harvesting, threshing and storage management practices in rapeseed-mustard cultivation” during last week of January 2021 at the time of pod stage of the crop at farmers’ field in each of the selected clusters. The technical knowledge and skill about maturity of crop, harvesting methods, drying, threshing packing and proper storage were provided to the participants by ICAR-DRMR during fourth phase of technical training. A total of 521 farmers and farm women participated in 22 technical trainings of fourth phase.

Thus a total of 88 technical trainings were organized during the period wherein 2001 farmers and farm women participated. These technical trainings were organized at farmers’ field by the District ATMA with the technical backstopping of ICAR-DRMR.

These technical trainings will help in increasing the production and productivity of rapeseed-mustard crop through adoption of scientific intervention and promote the efficient use of

energy resources, natural resources such as land, water etc. and other inputs like chemicals, fertilizers, seeds etc.

The district wise detailed information of first, second, third and fourth phase technical trainings is shown in Table 12, 13, 14 and 15, respectively.

Table 12: List of First Phase Technical Trainings conducted on “Scientific Production Technology of Rapeseed-Mustard” under the project.

SN	District	Cluster	Cluster Name	Date	Place	Participants
1	Dhubri	1	Mahamaya	03-11-2020	BRC, SDAO Office campus, Bilasipara	20
		2	Agomani	05-11-2020	Kherbari-I	20
		3	Chapar-Salkocha	05-11-2020	BRC, SDAO Office campus, Bilasipara	20
		4	Gauripur	06-11-2020	Tisterpar	20
		5	Rupshi	10-11-2020	Chaparh-I	20
2	Sonitpur	1	Balipara	31-10-2020	BRC, Balipara	20
		2	Gabharu	03-11-2020	Office of the JDA, Mazgaon	20
		3	Dhekiajuli	03-11-2020	BRC, Dhekiajuli	20
		4	Bihaguri	04-11-2020	BRC, Bihaguri	20
		5	Chaiduar	11-11-2020	BRC, Chaiduar	20
3	Jorhat	1	Majuli	06-11-2020	BRC, ATMA, Majuli	31
		2	Ujani Majuli	07-11-2020	Ujani Majuli	32
		3	Kaliapani	09-11-2020	Seuj ban, Kaliapani	29
4	Galaghat	1	Podumoni	06-11-2020	DAO office	20
		2	Kakodonga	11-11-2020	Demagimirl village	20
		3	Bokakhat	18-11-2020	Japoripather	20
5	Sivsagar	1	Gaurisagar	07-11-2020	Old DAO, Sivasagar	20
		2	Demow	07-11-2020	Old DAO Sivasagar	20
6	Darrang	1	Sipajhar	31-10-2020	Lokrai, Sipajhar, Darrang	30
		2	Bachimari	02-11-2020	Chokabahi, Bachimari	20
		3	Pachim Mangaldai	03-11-2020	FIAC, Pachim Mangaldai	20
7	Morigaon	1	Mayoung	02-11-2020	DAO office, Morigaon,	20
Total participants						482

Table 13: List of Second Phase Technical Trainings conducted on “Best Management Practices for Cultivation of Rapeseed-Mustard” under the project.

S N	District	Cluster	Cluster Name	Date	Place	Participants
1	Dhubri	1	Mahamaya	07-11-2020	Jaharmura	20
		2	Chapar-Salkocha	07-11-2020	Simlabari	20
		3	Agomani	08-11-2020	Dighaltari	20
		4	Rupshi	09-11-2020	Sukhatikhata	20
		5	Gauripur	10-11-2020	Khudimari-II	20
2	Sonitpur	1	Gabhoru	06-11-2020	Da Parbatia village, Gabhoru Dev. Block	20
		2	Balipara	30-11-2020	BRC, Balipara Dev. Block	20
		3	Bihaguri	25-12-2020	BRC, Bihaguri Block	20
		4	Chaiduar	26-12-2020	Bakori Doloni village, Chaiduar Block	20
		5	Dhekiajuli	30-12-2020	BRC, Chennimari GP, Dhekiajuli Block	20
3	Jorhat	1	Kaliapani	23-12-2020	Majordeori Gaon Ujani Majuli Dev. Block	30
		2	Majuli	24-12-2020	Kumar Gaon, Kaliapani Dev. Block	32
		3	Ujani Majuli	24-12-2020	Mohkina Majuli Dev. Block	37
4	Galaghat	1	Podumoni	06-01-2021	Kathkothia Village	20
		2	Bokakhat	07-01-2021	Lukhrakhonia Village	20
		3	Kakodonga	08-01-2021	Natun Chapori Village	20
5	Darrang	1	Bachimari	18-11-2020	Chukabahi Bachimari Block	20
		2	Pachim Mangi	02-01-2021	Manitari Village	20
		3	Sipajhar	10-01-2021	Halda Village	20
6	Sivasagar	1	Demow	23-12-2020	Bakhor Bengena Gram Panchayat, Khanikar Gao	27
		2	Gaurisagar	24-12-2020	Deogharia Village	29
7	Morigaon	1	Mayoung	24-12-2020	Hatimuria	12
Total participants						487

Table 14: List of third phase technical training conducted on “Insect pest & disease management practices in rapeseed-mustard” under the project.

SN	District	Cluster	Cluster Name	Date	Place	No of Participants
1	Dhubri	1	Chapar-Salkocha	08-01-2021	Simlabari	20
		2	Agomani	09-01-2021	Digholtari	20
		3	Rupshi	10-01-2021	Chapghar Pt-I	20
		4	Mahamaya	12-01-2021	Patakata Pt-II	21
		5	Gauripur	13-01-2021	Tisterpar	21
2	Sonitpur	1	Dhekiajuli	27-01-2021	Gabharupar	20
		2	Chaidur	27-01-2021	Bakoridoloni	20
		3	Balipara	28-01-2021	Roumari Mansi	20
		4	Bihaguri	29-01-2021	Bhalukekhowa	20
		5	Gabhoru	30-01-2021	Da Parbatia	20
3	Jorhat	1	Kaliapani	18-01-2021	Japong Gaon	25
		2	Majuli	28-01-2021	Majuli	28
		3	Ujjani Majuli	28-01-2021	Ujjani Majuli	30
4	Golaghat	1	Podumoni	27-01-2021	Kathkothia	20
		2	Kakodonga	28-01-2021	Dhemaji miri	20
		3	Bokakhat	29-01-2021	Lukhrakhonia	20
5	Darrang	1	Bachimari	11-01-2021	Vill. No. 2 Barjhar	30
		2	Pachim Mangaldai	17-01-2021	Barhekerabari	30
		3	Sipajhar	19-01-2021	Titkushi,	30
6	Sivasagar	1	Gaurisagar	06-01-2021	Namdongia Bongali	30
		2	Demow	06-01-2021	Nitaipukhuri Panchayat	26
7	Morigaon	1	Mayong	07-01-2021	DAO, Office	20
Total Participants						511

Table 15: List of fourth phase technical training conducted on “Harvesting, threshing and storage management practices in rapeseed-mustard cultivation” under the project.

SN	District	Cluster	Cluster Name	Date	Place	No of Participants
1	Dhubri	1	Gauripur	27-01-2021	Madhusoulmari Pt-I	20
		2	Mahamaya	28-01-2021	Dalaneralga Pt-II	20
		3	Rupshi	29-01-2021	Chapghar Pt-I	20
		4	Chapar-Salkocha	30-01-2021	Lalkura	20
		5	Agomani	31-01-2021	Digholtari	20
2	Sonitpur	1	Chaidur	28-01-2021	Bakoridoloni	20
		2	Balipara	29-01-2021	Sotai milanpur	20
		3	Dhekiajuli	30-01-2021	Dhekiajuli, BRC	20
		4	Gabhoru	31-01-2021	Beseria	20
		5	Bihaguri	01-02-2021	Bihaguri, BRC	20
3	Jorhat	1	Kaliapani	27-01-2021	Bhakot Gaon	27
		2	Ujjani Majuli	30-01-2021	Ujjani Majuli	26
		3	Majuli	01-02-2021	Majuli	30
4	Golaghat	1	Podumoni	01-02-2021	Da-chamua	20
		2	Kakodonga	02-02-2021	Dhemaji miri	20
		3	Bokakhat	03-02-2021	Lukhrakhonia	20
5	Darrang	1	Bachimari	22-01-2021	Village No.1 Bargarakhuti,	30
		2	Pachim Mangaldai	23-01-2021	NizRangamati,	30
		3	Sipajhar	25-01-2021	Basachuba,	30
6	Sivasagar	1	Gaurisagar	29-01-2021	Decial Dulia	30
		2	Demow	29-01-2021	Demow much	28
7	Morigaon	1	Mayong	30-01-2021	Botabari	30
Total Participants						521

Table 16: Summary of technical trainings organized by ICAR-DRMR

S N	Activity	Target (No.)	Achieved (No.)	Benefi ciaries (No.)	Beneficiaries (No.)						Total
					Gender		Social Category				
					Male	Female	Gen	OBC	SC	ST	
1	Technical trainings	88	88	2001	1340	661	860	780	140	221	2001

Glimpses of First Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Golaghat



Golaghat



Jorhat



Jorhat



Sonitpur



Sonitpur

Glimpses of First Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Darrang



Darrang



Sivasagar



Morigaon



Dhubri



Dhubri

Glimpses of Second Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Golaghat



Golaghat



Jorhat



Jorhat



Sonitpur



Sonitpur

Glimpses of Second Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Darrang



Darrang



Sivasagar



Sivsagar



Dhubri



Dhubri



Morigaon



Morigaon

Glimpses of Third Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Dhurbri



Jorhat



Sonitpur



Golaghat



Morigaon



Golaghat

Glimpses of Fourth Phase Technical Trainings organized at different places under ICAR-DRMR APART programme



Dhubri



Dhubri



Sivasagar



Sivasagar



Jorhat



Jorhat

3. Workforce involved in the assignment:

In APART, ICAR-DRMR has appointed the key and non-key experts to take care of the project activities. The list of ICAR-DRMR staff engaged in the project and locally appointed staff are given in Tables 17 and 18.

Table 17: Client's ICAR-DRMR staff engaged

SN	Name of Experts	Key or Non-Key	Designation in ICAR-DRMR	Designation in APART	Place of deployment	Date of availability for work in the assignment
1	Dr. P.K. Rai	Key	Director	Chief Advisor	Bharatpur	In place
2	Dr. Ashok Kumar Sharma	Key	Principal Scientist (Ag. Extension)	Team Leader	Bharatpur	In place
3	Dr. Harvir Singh	Key	Scientist (Agronomy)	Expert	Bharatpur	In place
4	Dr. Pankaj Sharma/	Non-key	Pr. Scientist (Plant Pathology)	Expert	Bharatpur	In place
5	Dr. Vinod Kumar/	Non-key	Pr. Scientist (Comp. Appl.)	Expert	Bharatpur	In place
6	Dr. Arun Kumar	Non-key	Pr. Scientist, (Plant Breeding)	Expert	Bharatpur	In place
7	Dr. Narpal Singh	Non-key	Research Associate	Research Associate	Bharatpur	In place
8	Ms. Anita	Non-key	Data entry Operator	Data entry Operator	Bharatpur	In place

Table 18: Client's local staff engaged

SN	Name of Experts	Key or Non-Key	Designation in ICAR-DRMR	Designation in APART	Place of deployment	Date of availability for work in the assignment
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1	Dr. G.N. Hazarika	Key	Resident Consultant	Resident Consultant	Jorhat	In place
2	Dr. Brijish Mishra	Non-key	Research Associate	Research Associate	Morigaon	In place
3	Dr. Vipin Kumar	Non-key	Research Associate	Research Associate	Darrang	In place
4	Dr. Bandhan Subha	Non-key	Research Associate	Research Associate	Golaghat	In place
5	Dr.HadiHussain	Non-key	Research Associate	Research Associate	Dhubri	In place
6	Dr. Priyakshi Buragohain	Non-key	Research Associate	Research Associate	Sivsagar	In place
7	Dr. RimiDeuri	Non-key	Research Associate	Research Associate	Jorhat	In place
8	Dr. Priyanka Sharma	Non-key	Research Associate	Research Associate	Sonitpur	In place
9	Ms. Seema Vishnu Bhand	Non-key	Accountant	Accountant	Guwahati	In place

4. Consultants Invoice:

Table 19 Invoice details

SN	Invoice No. and Date	Date of submission of invoice to OPIU	Date of clarification sought by OPIU, If any	Date of replies given by the consultant, if any	Date of payment by OPIU
1	ICAR-DRMR/APART/2019-20/4 dated 14-5-2020	17-6-2020	NA	NA	-

5. Contractual issues (if any) and changes desired

Table 20. Contractual issues and changes desired

SN	Issues	Changes desired
1.	TA allowances for Research Associates	The number of crop demonstrations are to be conducting under the project. These crop demonstrations needs to be monitored and supervised regularly by ICAR-DRMR staff/ Research Associates for timely advice and motivation to the farmers and effective implementation of the programme. Therefore, additional TA allowances are required for Research Associates of deployed under the project.

6. Work plan for the next six months

Table 21: Month-wise work-plan

SN	Month wise activities	No.
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January 2021		
1	Organization of Technical trainings	44
2	Publication of extension literatures	2
3	Field monitoring	
February 2021		
1	Organization of Field days	22
2	Organization of exposure visit of extension personnel	01
3	Organization of exposure visit of farmers	01
4	Organization of Farmer fair	01
5	Field monitoring	-
March 2021		
1	Crop cutting and data collection	
2	PHT demonstrations	22
3	Establishment of oil expeller	11
April 2021		
1	Feedback collection	-
2	Data analysis	
May 2021		
1	Awareness meetings	44
2	Base line survey	-
June 2021		
1	Awareness meetings	22
2	Development of website/mobile app	-
3	Workshop of stakeholders	-

7. Summary of the overall progress

The achievements and results of the period under report are summarised in the table 22, below.

Table 22. Summary of the progress

No.	Deliverables/ Activity	Unit	Target vis-a-vis Achievement (physical & financial) (Target as given in the Payment Schedule provided in the contract agreement)				Total	
			Physical (Number) 2020-21		Financial (Rs. in lakh) 2020-21		Physical (No.)	Financial (Rs. in lakh)
			Target II half	Achievement II Half	Target II Half	Achievement II Half		
1	Submission of Inception report	No.	01	01	43.12	43.12	01	43.12
2	Crop Demonstration	No.	440	440	44.00	44.00	44.00	44.00
3	Technical trainings	No.	88	44	1.80	1.80	1.80	1.80
4	Master training programme	No.	02	02	0.72	0.72	02	0.72
5	Farmers training programme	No.	02	02	0.48	0.48	02	0.48

- Training was organized online.

Annexure-I

List of List of Beneficiary farmers of Rapeseed-Mustard Crop Demonstrations conducted during 2020-21 in different districts of Assam under ICAR-DRMR-APART Programme 2020-21

1. List of Beneficiary farmers in Dhubri district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Gauripur, Dhubri								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Anowara Bewa	Lt. Jamser Ali	Tisterpar	GEN	6002431922	N/A	NRCHB-101	13-11-2020
2	Nur Islam Sk	Panir Uddin	Tisterpar	GEN	7896178855	N/A	NRCHB-101	16-11-2020
3	Hazrat Ali Khandakar	Asrab Ali khandakar	Tistepar	GEN	6002431922	N/A	NRCHB-101	12 -11-2020
4	Kasiron Bewa	Lt. Sahar Uddin	Tistepar	GEN	8822008715	N/A	DRMR-150-35	15 -11-2020
5	Abdul Hamid	Geda Boksha	Tistepar	GEN	7636980984	N/A	DRMR-150-35	13 -11-2020
6	Kholil Sheikh	Mohir Uddin	Tistepar	GEN	8075357942	N/A	PM-28	10 -11-2020
7	Kader Ali	Panir Sheikh	Tistepar	GEN	9707747793	N/A	PM-28	14 -11-2020
8	Nurjahan Bibi	Hifzur Rahman Prodhani	Madhusoulmari Pt-I	GEN	6913937424	N/A	NRCHB-101	18 -11-2020
9	Nojmul Hoque	Lt. Eyasin Ali	Madhusoulmari Pt-I	GEN	936599119	N/A	NRCHB-101	12 -11-2020
10	Rofiza Bewa	Lt. Eyakub Ali	Madhusoulmari Pt-I	GEN	8638306203	N/A	NRCHB-101	13 -11-2020
11	Jadab ch. Roy	Dhiren ch. Roy	Khudimari Pt-I	OBC	6003603865	N/A	DRMR-150-35	12 -11-2020
12	Sanjib Kr. Roy	Jiten Mondal Roy	Khudimari Pt-II	OBC	9101397732	N/A	DRMR-150-35	16-11-2020
13	Kartik Roy	Jiten Mondal Roy	Khudimari Pt-II	OBC	9707061109	N/A	DRMR-150-35	12 -11-2020
14	Kasani Bibi	Kosom Uddin	Khudimari Pt-II	GEN	6001219286	N/A	PM-28	21 -11-2020
15	Surojit Chakravorty	Lt. Anil Chakrovorty	Khudimari Pt-II	GEN	9085746584	N/A	PM-28	13 -11-2020
16	Deepok Kr. Roy	Jogendra Nath Roy	Kismet Hasdaha Pt-II	OBC	7664905529	N/A	NRCHB-101	21 -11-2020

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17	Ganesh Ch. Roy	Kamala Kanta Roy	Kismet Hasdaha Pt-II	OBC	8486126125	N/A	NRCHB-101	13-11-2020
18	Mrityunjoy Kr. Roy	Krish Kt. Roy	Kismet Hasdaha Pt-II	OBC	9957396352	N/A	DRMR-150-35	12 -11-2020
19	Nipon Roy	Satish Ch. Roy	Kismet Hasdaha Pt-II	OBC	8638572019	N/A	DRMR-150-35	16 -11-2020
20	Lankeshwar Roy	Durgacharan Roy	Kismet Hasdaha Pt-II	OBC	8761949085	N/A	PM-28	14 -11-2020
21	Alok Kr. Roy	Kamalesh Ch. Roy	Kismet Hasdaha Pt-II	OBC	9707729213	N/A	PM-28	17-11-2020

2. Name of Cluster: Rupshi, Dhubri

SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Kabi Ray	Lt Gunaman Ray	East Gaikhowa-II	OBC	6000147324	N/A	NRCHB-101	09-11- 2020
2	Prodhani Ray	Lt Mandal Ray	East Gaikhowa-II	OBC	6001500771	N/A	NRCHB-101	11 -11- 020
3	Dinesh Ray	Lt Pusuram Ray	East Gaikhowa-II	OBC	9706498402	N/A	DRMR-150-35	16 -11- 2020
4	Probhat Ch.Ray	Lt Praneshwar Ray	East Gaikhowa-II	OBC	9957208719	N/A	DRMR-150-35	14 -11- 2020
5	Bharat Mahanta	Lt- Mohanchand Mahanta	East Gaikhowa-II	OBC	9864970876	N/A	PM-28	17 -11- 2020
6	Sanat Kr. Ray	Rabi Chand Ray	East Gaikhowa-II	OBC	9101007893	N/A	PM-28	10-11-2020
7	Ananta Ray	Kripa Nath Ray	Sukatikhata	OBC	9365444691	N/A	PM-28	12 -11- 2020
8	Dinesh Ch Ray	Sona Ram Ray	Sukatikhata	OBC	7365161274	N/A	NRCHB-101	9 -11- 2020
9	Ukil Ch Ray	Tuni Ram Ray	Sukatikhata	OBC	6002720619	N/A	NRCHB-101	11 -11- 2020
10	Dilbar Ali	Sayed Ali	Sukatikhata	GEN	9101198523	N/A	PM-28	10 -11- 2020
11	Kobat Ali	Umor Ali	Sukatikhata	GEN	9707476752	N/A	DRMR-150-35	14 -11- 2020
12	Sekendar Ali	Rahamat Ali	Sukatikhata	GEN	8011744783	N/A	DRMR-150-35	12 -11- 2020

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13	Aktar Ali	Jamser Ali	Sukatikhata	GEN	9368397368	N/A	DRMR-150-35	15 -11- 2020
14	Jabed Ali	Amatulla Sk	Rowa Pt-I	GEN	9957530600	N/A	DRMR-150-35	14 -11- 2020
15	MantuSk	Samser Ali	Rowa Pt-I	GEN	6000745288	N/A	DRMR-150-35	15 -11- 2020
16	Sabed Ali	Omar Ali	Rowa Pt-I	GEN	8822500760	N/A	DRMR-150-35	13 -11- 2020
17	Nural Hoque	Jonab Ali	Rowa Pt-I	GEN	8638845315	N/A	DRMR-150-35	15 -11- 2020
18	Mir Jumla Sk	Isa hoque Ali	Tiamari Pt-I	GEN	8402026514	N/A	NRCHB-101	11 -11- 2020
19	Rashid Khan	Elimuddin Khan	Tiamari Pt-I	GEN	9954005608	N/A	NRCHB-101	12 -11- 2020
20	Monowar Hussain	Basuruddin Sk	Tiamari Pt-I	GEN	9678258868	N/A	NRCHB-101	15 -11- 2020
21	Aktar Hussain Mondal	Hobibar Rahman Mondal	Chapgarh Pt-I	GEN	8812935046	N/A	DRMR-150-35	12 -11- 2020
22	Mokbul Hussain	Jamser Ali	Chapgarh Pt-I	GEN	8474081590	N/A	DRMR-150-35	14 -11- 2020
23	Abul Kalam	Yeakub Ali	Chapgarh Pt-I	GEN	9706880887	N/A	PM-28	17 -11- 2020
24	Deben Ch Roy	Sitta Roy	Chapgarh Pt-I	OBC	6002674648	N/A	PM-28	13-11-2020

3. Name of Cluster: Agomani, Dhubri								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Fatema Bibi	A. Rahim Sk	Kherbari Pt-I	GEN	7896572905	N/A	NRCHB-101	9-11-2020
2	Fulbor Khan	Sabed Khan	Kherbari Pt-I	GEN	9126106403	N/A	NRCHB-101	12 -11-2020
3	Manju Bala Barman	Bishgher Barman	Kherbari Pt-I	OBC	8473884908	N/A	NRCHB-101	11 -11-2020
4	Dipali Barman	Bimal Barman	Kherbari Pt-I	OBC	9126106403	N/A	DRMR-150-35	13 -11-2020
5	Arpona Roy	Hirandra Nath Roy	Kherbari Pt-I	OBC	6901340216	N/A	DRMR-150-35	16 -11-2020
6	Saiful Hoque	Johir Ali	Kherbari Pt-I	GEN	7602797937	N/A	DRMR-150-35	10 -11-2020
7	Motior Rahman	Afaz Uddin	Kherbari Pt-I	GEN	9126106403	N/A	DRMR-150-35	9 -11-2020
8	Khalek Mandal	Jobbar Ali Mandal	Kherbari Pt-I	GEN	9101507809	N/A	PM-28	14 -11-2020
9	Alima Khatun	Ebrahim Sk	Kherbari Pt-I	GEN	6900129061	N/A	NRCHB-101	10 -11-2020
10	Gulapjan Bibi	Abdul Mojib	Dighaltari	GEN	9954048472	N/A	NRCHB-101	12-11-2020
11	Alima Bewa	Abdul Aziz	Dighaltari	GEN	6901920561	N/A	NRCHB-101	14 -11-2020
12	MoriomBibi	Abdus Sattar Ali	Dighaltari	GEN	9957364845	N/A	NRCHB-101	17 -11-2020
13	Nur Zahan Bibi	Rostom Ali	Dighaltari	GEN	9954048472	N/A	NRCHB-101	14 -11-2020
14	Abu Taher Miah	Noor Md	Dighaltari	GEN	9101530610	N/A	DRMR-150-35	10 -11-2020
15	HamidaBibi	Noor Alom	Jinkata	GEN	8486096562	N/A	DRMR-150-35	15 -11-2020
16	Ashraf Ali	Abdul Mozid	Jinkata	GEN	Not Available	N/A	PM-28	9 -11-2020

4. Name of Cluster: Chapar- Salkocha, Dhubri								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Hares Ali	Lt. Ramjan Ali	Simlabari	GEN	6901545113	N/A	NRCHB-101	8-11-2020
2	Abu Shama Khan	Lt. Parbat Ali Khan	Simlabari	GEN	8473043661	N/A	NRCHB-101	8 -11-2020
3	Komor Ali	Mr. Sohor Ali	Simlabari	GEN	9864114830	N/A	NRCHB-101	7 -11-2020
4	Anwar Hussain	Mr. Mina Ali	Simlabari	GEN	6001218443	N/A	NRCHB-101	9 -11-2020
5	Karim Ali	Mr. Safor Ali	Lalkura	GEN	9365720374	N/A	NRCHB-101	10 -11-2020
6	Hanif Ali	Mr. Afaj Uddin	Lalkura	GEN	9706345580	N/A	NRCHB-101	12 -11-2020
7	Monir Uddin	Mr. Manser Ali	Lalkura	GEN	9954033330	N/A	NRCHB-101	19 -11-2020
8	Rajab Ali	Mr. Javed Ali	Dhirerchar	GEN	9957728805	N/A	NRCHB-101	20 -11-2020
9	Sohor Ali	Mr. Sahab Uddin	Dhirerchar	GEN	8473984711	N/A	NRCHB-101	18 -11-2020
10	Azad Ali	Mr. Hakim Uddin	Dhirerchar	GEN	8472837500	N/A	NRCHB-101	18 -11-2020
11	Samad Ali	Mr. Besej Uddin	Dhirerchar	GEN	8011990167	N/A	NRCHB-101	19 -11-2020
12	Jhumer Ali	Mr. Delsad Ali	Dhirerchar	GEN	6304701916	N/A	NRCHB-101	18 -11-2020
13	Abu Siddique	Mr. Haran Ali	Simlabari	GEN	7636948547	N/A	PM-28	10 -11-2020
14	Jalal Uddin	Mr. Jamat Ali	Simlabari	GEN	7663808513	N/A	DRMR-150-35	12 -11-2020
15	Asmot Ali	Mr. Ajgor Ali	Simlabari	GEN	7002845465	N/A	DRMR-150-35	11 -11-2020
16	Surman Ali	Mr. Ajgor Ali	Simlabari	GEN	9954891963	N/A	DRMR-150-35	13 -11-2020
17	Fazar Ali	Mr. Ajgor Ali	Simlabari	GEN	6001164232	N/A	PM-28	14 -11-2020
18	Abdul Mozid	Mr. Juran Ali	Simlabari	GEN	8011561454	N/A	PM-28	14 -11-2020
19	Bodiot Jamal Khan	Lt. Parbat Ali	Simlabari	GEN	8011036534	N/A	DRMR-150-35	13 -11-2020

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20	Saddam Husain	Mr. Abdul Karim	Sildanga	GEN	7896380690	N/A	NRCHB-101	12 -11-2020
21	Sahabul Sk	Lt. Joher Uddin	Sildanga	GEN	9707653313	N/A	PM-28	19 -11-2020
22	Sofior Rahman	Mr. Sarhat Ali Mandal	Simlabari	GEN	7637051061	N/A	PM-28	13 -11-2020

5. Name of Cluster: Chapar- Salkocha, Dhubri								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Joygun Bibi	Muhuruddin	Patakata-II	GEN	6002173157	N/A	DRMR- 150-35	5-11-202
2	Nobiran Khatun	Lalchand Ali	Patakata-II	GEN	6001038938	N/A	DRMR -150-35	5 -11-202
3	Sayed Ali	Arab Ali	Patakata-II	GEN	8399995450	N/A	DRMR -150-35	7-11-2020
4	Shanjab Ali	Lt. Jubbar Ali	Patakata-II	GEN	8399995450	N/A	DRMR -150-35	6 -11-2020
5	Fulchand Ali	Lt. Abdul Majid	Patakata-II	GEN	9126260179	N/A	DRMR -150-35	7-11-2020
6	Abdul Rahman	Samsul Hoque	Patakata-II	GEN	8135801262	N/A	PM -28	5-11-2020
7	Nur Mohammad	Gonjer Ali	Patakata-II	GEN	7576024394	N/A	PM -28	5 -11-2020
8	Omar Ali	Samser Ali	Joharmura	GEN	9954798303	N/A	NRCHB-101	8 -11-2020
9	Nur Hussain	Daraz Uddin	Joharmura	GEN	8085547030	N/A	NRCHB-101	8 -11-2020
10	Nur Jamal	Abed Ali	Joharmura	GEN	8638002506	N/A	NRCHB-101	8 -11-2020
11	Shanata Bhanu	W/O. Anowar Hussain	Joharmura	GEN	8822384978	N/A	NRCHB-101	7-11-2020
12	Momena Khatun	W/O. Ful Chand ali Ahmed	Joharmura	GEN	9864397803	N/A	NRCHB- 101	8-11-2020
13	Monser Ali	Eyasin Ali	Joharmura	GEN	8472828452	N/A	NRCHB -101	8-11-2020
14	Khodeja Bibi	W/O. Samsul Hoque	Joharmura	GEN	8638502219	N/A	NRCHB-101	7-11-2020
15	Rahima Khatun	W/O. Haider Ali	Dalaneralga - II	GEN	8822534711	N/A	NRCHB -101	9-11-2020
16	Hazrat Ali	Lt. Raham Ali	Dalaneralga - II	GEN	6001760986	N/A	NRCHB -101	9-11-2020
17	Asir Uddin	Lt. Raham Ali	Dalaneralga - II	GEN	6002234067	N/A	NRCHB -101	9-11-2020

2. List of Beneficiary farmers of Sonitpur district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Gabhoru, Sonitpur								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Voter ID No.	Variety	Date of Sowing
1	Julan Borah	Lt khomeswar Borah	Da Parbatia Lenga Chuburi	OBC	8402812942	JRQ6934630	DRMR -150-35	09-11-2020
2	Kamini Sarkar	Apurba Das	Da Parbatia Lenga Chuburi	SC	6000786806	JRQ7539540	DRMR -150-35	06-11-2020
3	Dilip Borah	Lt Pithu bora	Da Parbatia Lenga Chuburi	OBC	9706160334	JRQ7539540	PM-28	08-11-2020
4	Ashim Pathak	Lt Khireswar Pathak	Da Parbatia Lenga Chuburi	OBC	9706715185	--	PM-28	10-11-2020
5	Nitul Borah	Lt Narayan Borah	Da Parbatia Lenga Chuburi	OBC	9365591188	JRQ6935542	PM-28	09-11-2020
6	Badal Borah	Lt padmaram Borah	Da Parbatia Lenga Chuburi	OBC	9954953070	--	NRCHB-101	10-11-2020
7	Bhadeswar Tamuli	Suniram Tamuli	Da Parbatia Lenga Chuburi	OBC	6000786806	JRQ7539540	NRCHB-101	08-11-2020
8	Ranjit Nath	Lamoram Nath	Boga Bora Chuburi	OBC	9678668401	JRQ6436380	PM-28	21-11-2020
9	Pushpendra Adhikari	Kula Adhikari	Boga Bora Chuburi	OBC	8876641185	JRQ6437327	NRCHB-101	18-11-2020
10	Pallabi Bora	Indubhushan Bvorah	Boga Bora Chuburi	OBC	8761942709	JRQ0333039	PM- 28	21-11-2020
11	Asha Borah	Pranjit Borah	Boga Bora Chuburi	OBC	8134921051	JRQ0453852	NRCHB-101	27-11-2020
12	Prashata Nath	Lama ram Natha	Boga Bora Chuburi	OBC	8133996961	JRQ6436313	NRCHB-101	25-11-2020
13	Humeswar Borah	Akan Borah	Boga Bora Chuburi	OBC	9613174163	JRQ6436573	DRMR -150-35	21-11-2020
14	Monoj Borah	Anata Borah	Boga Bora Chuburi	OBC	9101081836	JRQ6437736	DRMR -150-35	21-11-2020
15	Moromi Borah	Bharat Borah	Boga Bora Chuburi	OBC	9706593442	JRQ6436971	PM -28	21-11-2020
16	Suren Borah	Padma Kanta	Boga Bora Chuburi	OBC	8761837708	JRQ6435490	NRCHB-101	19-11-2020

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		Borah						
17	Hiraynamoyi Devi	Hirayna Nath	Da Beseria	OBC	9706925770	JRQ6240580	PM-28	14-11-2020
18	Moromi Devi	Prafulla Nath	Da Beseria	OBC	8486193430	JRQ6235070	DRMR -150-35	22-11-2020
19	Ranjan Bora	Lt Mahendra Bora	Boga Bora Chuburi	OBC	7896816828	--	PM -28	14-11-2020
20	Rajib Bora	Lt jangya Bora	Boga Bora Chuburi	OBC	8723028864	JRQ9979711	PM -28	15-11-2020

2. Name of Cluster: Dhekiajuli, Sonitpur

SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Voter ID No.	Variety	Date of Sowing
1	Nikha Basumatary	Suneshwar Basumatary D/o Bollen Basumatary	Ansaipur	ST	9365028601	CFN0082909	DRMR -150-35	02-12-2020
2	Laxmi Basumatary	Harichandra Basumatary	Ansaipur	ST	9101489119	CFN0294876	DRMR -150-35	02-12-2020
3	Dipali Basumatary	Anando Basumatary	Ansaipur	ST	8011158724	CFN2198427	PM-28	02-12-2020
4	Hadansa Boro	Laben Boro	Ansaipur	ST	9324065884	CFN2198734	NRCHB- 101	02-12-2020
5	Sanjoy Bora	Nogen Boro	Ansaipur	ST	9365028601	CFN2197991	NRCHB- 101	02-12-2020
6	Manjula Gajari	Binay Gajari	Ansaipur	ST	--	CFN2202393	PM-28	11-12-2020
7	Amit Narzary	Ajit Basumatary	Ansaipur	ST	6369238767	CFN2198289	NRCHB- 101	21-11-2020
8	Kotocuria Basumatary	Lt. Matia Basumatary	Ansaipur	ST	7896659731	CFN0524557	PM-28	21-11-2020
9	Binto Bora	Sonai Boro	Ansaipur	ST	9365028601	CFN0504745	NRCHB-101	11-11-2020
10	Chitra Basumatary	Raju Basumatary	Ansaipur	ST	6398766254	CFN0029249	PM-28	14-11-2020
11	Rubal Basumatary	Lt. Biren Basumatary	Ansaipur	ST	9365028601	CFN2202713	DRMR -150-35	21-11-2020
12	Thimafri Basumatary	Biso Basumatary	Ansaipur	ST	9365028601	CFN2202360	PM-28	11-11-2020
13	Laishri Narzary	Pradip Narzary	Ansaipur	ST	9365028601	CFN2202417	PM-28	11-11-2020

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14	Juri Saikia	Pradip Saikia	Gabharupar	OBC	7399910474	CFN1923519	PM-28	11-11-2020
15	Deepa Das	Biswajit Das	Gorpara Pathar	SC	7002416963	CFN4639887	DRMR-150-35	11-11-2020
16	Shefali Das	Manik Das	Gorpara Pathar	SC	--	CFN4639296	DRMR-150-35	11-11-2020
17	Krishna Dutta	Gauranga Dutta	Gorpara Pathar	Gen.	6002683668	CFN4640431	PM-28	11-11-2020
18	Sukumar Das	Loharam Das	Gorpara Pathar	SC	9954971036	CFN464245	NRCHB-101	11-11-2020
19	Nirmal Mura	Jiban Mura	Gorpara Pathar	OBC	7896001196	CFN4640317	NRCHB-101	11-11-2020
20	Ratan Biswas	Krishna Biswas	Gorpara Pathar	SC	9706275072	CFN4636888	PM-28	11-11-2020

3. Name of Cluster: Bihaguri, Sonitpur

SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Voter ID No.	Variety	Date of Sowing
1	Kiran Devi	Kumud Nath	Bhalukekhowa	OBC	9854222888	BPJ1705551	PM -28	20-11-2020
2	Rushi Kt Nath	Lt Rudra Kt Nath	Bhalukekhowa	OBC	6002995909	--	NRCHB-101	20-11-2020
3	Puneswar Nath	Lt. Nandiram Nath	Bhalukekhowa	OBC	8761930168	BPJ1721320	NRCHB -101	18-11-2020
4	Mala Moni Das	Dhrubajyoti Nath	Bhalukekhowa	OBC	9706274166	BPJ0543298	PM -28	18-11-2020
5	Sewali Devi	Arun Nath	Bhalukekhowa	OBC	9613662642	BPJ0112896	NRCHB- 101	20-11-2020
6	Pranjal Nath	Deben Nath	Bhalukekhowa	OBC	8724022704	BPJ1707342	NRCHB -101	15-11-2020
7	Mintu Nath	Mahendra Nath	Bhalukekhowa	OBC	9365504733	BPJ1719411	PM -28	14-11-2020
8	Balin Nath	Lt. Tarini Kt Nath	Bhalukekhowa	OBC	8473977833	BPJ1708083	PM -28	18-11-2020
9	Arun nath	Lakheswar Nath	Bhalukekhowa	OBC	8724820653	BPJ1707524	PM -28	19-11-2020
10	Khagen Nath	Lt Harimon Nath	Bhalukekhowa	OBC	9706923596	BPJ1721944	PM -28	17-11-2020

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11	Deepa Das	Hari kt Das	Bapubheti	SC	9101482593	--	DRMR-150-35	16-11-2020
12	Dulal Das	Lt Punaram Das	Bapubheti	SC	9365820427	--	DRMR -150-35	16-11-2020
13	Maheswar Das	Lt Gangaras Das	Bapubheti	SC	9365820427	--	DRMR- 150-35	16-11-2020
14	Minu Das	Prabin Das	Bapubheti	SC	6002777584	--	PM- 28	14-11-2020
15	Momi Das	Deepak das	Bapubheti	SC	8812006763	--	PM -28	14-11-2020
16	Dulumoni Borah	Lt Durgeswar Borah	Bapubheti	SC	8812006763	BPJ16445267	NRCHB -101	18-11-2020
17	Seniram Das	Gopal das	Bapubheti	SC	9101482513	--	DRMR- 150-35	16-11-2020
18	Nirmali Borah	Dilip Borah	Bapubheti	SC	9101482593	--	PM 28	14-11-2020
19	Kamal kumari Boro	Sameer Boro	Bapubheti	SC	9957859809	BPJ1658920	DRMR -150-35	16-11-2020
20	Deep Saikia	Benu Saikia	Bapubheti	OBC	6002934909	--	NRCHB -101	18-11-2020

4. Name of Cluster: Chaiduar, Sonitpur								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Voter ID No.	Variety	Date of Sowing
1	ManBahadur Pradhan	Lt. Nar Bd. Pradhan	Borjohabari	OBC	6003355734	HGC7636251	NRCHB-101	29-11-2020
2	Dipjyoti Baruah	Tanka Baruah	Borjohabari	Gen	9606831527	HGC0246652	NRCHB-101	28-11-2020
3	Khemraj Powdel	Madhab Powdel	Borjohabari	OBC	7019842967	HGC7636739	NRCHB-101	26-11-2020
4	Bindu Devi	Chandralal Samlagai	Borjohabari	OBC	9365539647	HGC7636706	NRCHB-101	28-11-2020
5	Naramaya Sharma	Nilakantha Sharma	Borjohabari	OBC	9954957929	HGC7636557	NRCHB-101	27-11-2020
6	Dhan Maya Sharma	Subhash Sharma	Borjohabari	OBC	8474003435	HGC7636579	NRCHB-101	25-11-2020
7	Lila Bd. Chetry	Lt. Harka Bd. Chetry	Borjohabari	OBC	8761026245	HGC7641169	NRCHB-101	29-11-2020
8	Lok Bahadur Pradhan	Lt. Nar Bd. Pradhan	Borjohabari	OBC	6003614883	HGC7636206	NRCHB-101	28-11-2020
9	Janardan Dhakal	Lt. Jaganath Dhakal	Borjohabari	OBC	6900054049	HGC7637389	NRCHB-101	26-11-2020
10	Goman Sing Pradhan	Nar Bd. Pradhan	Borjohabari	OBC	6003449514	HGC7636228	NRCHB-101	28-11-2020
11	Ganesh Pradhan	Dhan Bd. Pradhan	Bakoridoloni	OBC	7896437677	HGC8437807	NRCHB-101	20-11-2020
12	Shanti Thapa	Dipak Thapa	Bakoridoloni	OBC	7005845107	--	NRCHB-101	29-11-2020
13	Madhu Pradhan	Mohem Pradhan	Bakoridoloni	OBC	9365763475	--	NRCHB-101	28-11-2020
14	Bishnulal Chetry	Jangha Bd. Chetry	Bakoridoloni	OBC	8723860028	HGC8438640	NRCHB-101	26-11-2020
15	Lekhnath Mishra	Taranidhi Mishra	Bakoridoloni	OBC	9613285098	HGC8438582	NRCHB-101	28-11-2020
16	Manoj Thapa	Janga Bd. Thapa	Bakoridoloni	OBC	7577986336	--	NRCHB-101	27-11-2020
17	Jaganath Chetry	Buddhiman Chetry	Bakoridoloni	OBC	7896437677	HGC8438275	NRCHB-101	29-11-2020
18	Puspa Devi Pradhan	Pradip Pradhan	Bakoridoloni	OBC	8876442295	HGC0186320	NRCHB-101	20-11-2020
19	Renuka Pradhan	Ratan Pradhan	Bakoridoloni	OBC	7896437677	HGC8437976	NRCHB-101	29-11-2020

20	Karna Bd. Newar	Purna Bd. Newar	Bakoridoloni	OBC	7896437677	--	NRCHB-101	28-11-2020
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5. Name of Cluster: Balipara, Sonitpur								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Voter ID No.	Variety	Date of Sowing
1	Akhanto Marak	Khoga Sangma	Sotai Milanpur	ST	9957378310	--	DRMR -150-35	07-11-2020
2	Teresta Sangma	Wele Marak	Sotai Milanpur	ST	9707554799	--	NRCHB- 101	07-11-2020
3	Saro Momin	Wagistar Marak	Sotai Milanpur	ST	8011134308	--	DRMR -150-35	08-11-2020
4	Alpana Sangma	Jack Marak	Sotai Milanpur	ST	9957942573	--	DRMR -150-35	10-11-2020
5	Komola Daimary	Debo Daimary	Sotai Milanpur	ST	8761804352	--	DRMR -150-35	08-11-2020
6	Okil Basumatary	Monesar Daimary	Sotai Milanpur	ST	7086017473	--	DRMR -150-35	08-11-2020
7	Banner Mech	Lengra Mech	Sotai Milanpur	ST	7896055604	--	DRMR- 150-35	08-11-2020
8	Gopal Choudhary	Rambason Choudhary	Parmaighuli	GEN	9854117059	GNS1538217	NRCHB -101	09-11-2020
9	Rabindhar Gogoi	Bipin Gogoi	Roumari	OBC	6003665961	GNS1504321	NRCHB- 101	10-11-2020
10	Pabitra Sharma	Giridhai Sharma	Roumari	GEN	6002131117	GNS1537151	PM-28	10-11-2020
11	Deepak Gogoi	Bipin Gogoi	Roumari	OBC	8723802170	GNS1528398	PM-28	10-11-2020
12	Nityananda Gogoi	Kenam Gogoi	Roumari	OBC	8310163635	GNS1528683	PM-28	11-11-2020
13	Dhaneswar Mili	Bhogaram Mili	Roumari	ST	967859821	GNS1576347	PM-28	10-11-2020
14	Sanika Burh	Sama Burh	Roumari	ST	967859821	GNS1504321	PM-28	10-11-2020
15	Smt Puneshwar Tiwari	Ramniranjan Tiwari	Roumari	GEN	9085153897	GNS1537195	PM-28	10-11-2020
16	Jatin Barua	Kanak Gogoi	Roumari	OBC	9085153897	GNS1537297	PM-28	11-11-2020
17	Chandra Katuwal	Ganesh Katuwal	Roumari	OBC	8486267402	--	PM-28	11-11-2020
18	Khawart Sangma	Khelensin Sangma	Sotai Milanpur	ST	7636873071	--	DRMR 150-35	08-11-2020

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19	Doal Marak	Markosh Marak	Sotai Milanpur	ST	8011404820	--	NRHB -101	07-11-2020
20	Kono Sangma	Jeten Sangma	Sotai Milanpur	ST	6901813802	--	NRCHB- 101	07-11-2020

3. List of Beneficiary farmers of Darrang district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Sipajhar, Darrang								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhaar No.	Variety	Date of Sowing
1	Krishna PriyaNath	Homen Nath	Basachuba	OBC	8638884762	ANMPD4286G	TS -38	10-11-2020
2	NiranjanNath	Phuleswar Nath	Basachuba	OBC	7662855128	--	PM -28	17-11-2020
3	Kamal Nath	Bhadreswar Nath	Basachuba	OBC	7896058585	--	PM -28	13-11-2020
4	Pawban Nath	Tilok Nath	Basachuba	OBC	--	--	DRMR -150-35	12-11-2020
5	Lohit Nath	Lt. Kamiram Nath	Basachuba	OBC	7636907225	--	DRMR -150-35	13-11-2020
6	Nagen Chamua	Lt. Bhabin Chamua	Jayantipur	OBC	9577644468	HPS9334978	PM -28	04-11-2020
7	Bhugneswar Rajbongshi	Lt. Rajat Rajbongshi	Jayantipur	OBC	9101274739	--	NRCHB -101	21-11-2020
8	Minu Chamua	Arun Chamua	Jayantipur	OBC	6901748304	BYVPC6857P	PM -28	13-11-2020
9	Ramen Kakoti	Bhumidhar Kakoti	Titkushi	GEN	9365249860	DFWPK9034Q	NRCHB- 101	14-11-2020
10	Bongshi Deka	BaniDeka	Titkushi	OBC	8136080389	--	DRMR -150-35	14-11-2020
11	Elimuddin Ahmed	Ajir Ali	Sanowa	GEN	9707232592	--	TS- 38	06-11-2020
12	Mainul Hoque	Dilbar Ali	Sanowa	GEN	8811886835	--	TS - 38	08-11-2020
13	Rafikul Hoque	Lt. Litan Ali	Sanowa	GEN	9864132282	--	DRMR -150-35	08-11-2020
14	Moon Hoque	Sabidullah Hoque	Sanowa	GEN	6900624193	--	TS -38	12-11-2020
15	Makoni Begum	Saliuddin Ahmed	Sanowa	GEN	6900624193	--	TS -38	03-11-2020
16	Haren Deka	Lt. Kiharam Deka	Haldhha	OBC	9864203211	--	TS -38	15-11-2020
17	Arun Ch. Nath	Lt. LalitNath	Haldhha	OBC	6002638214	--	PM -28	21-11-2020
18	Manmil Nath	Lt. anmiramNath	Haldhha	OBC	8135852075	--	DRMR- 150-35	19-11-2020

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19	Saraju Chamua	HareswarChamua	Haldhha	OBC	6002628596	--	NRCHB- 101	21-11-2020
20	Moslim Ali	Lt. Farmuz Ali	Haldhha	OBC	6002850412	--	TS- 38	21-11-2020

2. Name of Cluster: Bachimari, Darrang								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	ID No.	Variety	Date of Sowing
1	ParimalSil	GopalSil	No.1 bargarakhuti	Gen		--	NRCHB- 101	20-11-2020
2	KhursedAlam	Mahimuddin	No.1 bargarakhuti	Gen	9101761415	--	NRCHB -101	21-11-2020
3	Abdul Matleb	Abdul Hoque	No.1 bargarakhuti	Gen	9101516634	--	PM -28	21-11-2020
4	Samir Ali	Rahim	No.1 bargarakhuti	Gen	6000490797	--	NRCHB- 101	23-11-2020
5	EkkbahadurChetry	Jitbahadur	No.1 borgaon	Gen	6000581809	--	PM -28	18-11-2020
6	AbulKashem	Abdul barek	Nagaon	Gen	6000136983	DNB5842671	NRCHB-101	15-11-2020
7	Jilulhoque	Suraj Ali	Nagaon	Gen	9101910897	--	PM -28	09-11-2020
8	MainuddinAli	mahajuddinAli	Nagaon	Gen	9608349900	DNB3538510	PM -28	15-11-2020
9	AlebAli	SurajAli	Nagaon	Gen	9864168703	--	NRCHB-101	23-11-2020
10	MantuGhosh	Santosh Ghosh	NO.2Bahajar	Gen	9957330246	--	NRCHB- 101	14-11-2020
11	SatyachDiswas	BoloramBiswas	No.2 Barjhar	Gen	9678725899	--	DRMR 150-35	14-11-2020
12	Juranmondal	Pawanmondal	No.2 Barjhar	Gen	7099141455	-	DRMR 150-35	23-11-2020
13	MahajyotiBiswas	MadhuSudhanBiswas	No.2 Barjhar	Gen	7888626737	--	NRCHB-101	24-11-2020
14	JayantaDas	JagadishDas	No.2 Bahajar	Gen	9954600889	--	DRMR -150-35	23-11-2020
15	JahurullIslam	AhejUddin	No. 3 Barjhar	Gen	--	DNB 3538510	DRMR -150-35	23-11-2020
16	Abdul Jubbar	MukshedAli	Barjhar	Gen	8638260313	--	DRMR -150-35	23-11-2020
17	HussainAli	NuwaiSaeikh	Barjhar	Gen	6000197370	--	NRCHB -101	21-11-2020
18	BahajUddin	Omar Ali	Barjhar	Gen	6000197370	DNB3235674	NRCHB -101	21-11-2020
19	MahammadAli	KasimAli	No.1 Bargarakhuti	Gen	9101467109	DNB5841770	NRCHB -101	20-11-2020

20	Rumi Devi Saharia	Ajay kr. Saharia	Dalgaon	Gen	9706628463	DNB9540209	PM-28	20-11-2020
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3. Name of Cluster: Pachim Mangaldai, Darrang

SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	ID No.	Variety	Date of Sowing
1	Tilakch deb Sarma	Lakshadhar Sarma	Chamuapara	Gen	8404035739	--	NRCHB- 101	15-11-2020
2	Prasanna Saikia	Rangdhar Saikia	Chamuapara	Gen	9957755467	--	NRCHB -101	19-11-2020
3	Amarendra Deka	Khiteswar Deka	Chamuapara	Gen	8472009913	--	NRCHB -101	18-11-2020
4	Sarat Kalita	Kerkatu kalita	Chamuapara	Gen	6002481958	--	NRCHB -101	18-11-2020
5	Lakshi Saharia	Balo Saharia	Chamuapara	Gen	--	--	NRCHB -101	15-11-2020
6	Anupama Kalita	Basanta Kalita	Chamuapara	Gen	7002025650	FCM1636028	NRCHB -101	16-11-2020
7	Bhanu Nath	Pramodch Nath	Nizrangamati	Gen	8486435153	FCM1913855	NRCHB -101	21-11-2020
8	Maneswar Nath	Dinaram Nath	Nizrangamati	Gen	6900888491	FCM1910743	NRCHB -101	19-11-2020
9	Latumoni Saharia	Jalti Saharia	Nizrangamati	Gen	6003303466	--	PM -28	13-11-2020
10	Lakshya Barua	Choka Barua	Barthekeerabari	Gen	9854501246	--	PM -28	14-11-2020
11	Kiran Kalita	Ghateswar Kalita	Gariapara	Gen	6000157882	FCM1942832	NRCHB- 101	23-11-2020
12	Minakshi Goswami	Kritikanta Goswami	Gariapara	Gen	9707631059	271444179489	PM -28	07-11-2020

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13	Rachita Begum	Ohabali	Chamuapara	Gen	9127374820	FCM3042602	PM -28	24-11-2020
14	Tapan Deka	Tankeswar Deka	Manitari	Gen	600071792	--	NRCHB -101	12-11-2020
15	Bipul Deka	Kaheswar Deka	Manitari	Gen	--	--	NRCHB -101	11-11-2020
16	Harmohan Deka	Baliram Deka	Manitari	Gen	--	--	NRCHB -101	15-11-2020
17	Hiren Deka	Kantaram Deka	Manitari	Gen	--	--	NRCHB -101	21-11-2020
18	Soodhan Deka	Jogendra Deka	Manitari	Gen	--	--	NRCHB -101	15-11-2020
19	Manju Barua	Durlav Barua	Barthekeerabari	Gen	7399816157	FCM1860588	NRCHB -101	14-11-2020
20	Tulashi Medhi	TajuRam Medhi	Manitari	Gen	9854501246	--	PM -28	07-11-2020

4. List of Beneficiary farmers of Golaghat district of Assam under ICAR-DRMR-APART Programme 2020-21

1.Name of Cluster: Podumoni, Golaghat								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Jadumoni Saikia	Lt. Upen Saikia	Kathkothia	OBC	9365171750	710600966194	NRCHB-101	22-11-2020
2	Syamal Chanda	Lt. Rasamai Chanda	Kathkothia	SC	8011528856	578386126825	NRCHB-101	22-11-2020
3	Nripen Saikia	Lt. Lakhi Saikia	Kathkothia	OBC	9365936406	--	NRCHB-101	22-11-2020
4	Jibon Bora	Lt. Apuram Bora	Kathkothia	OBC	7636057788	265547625537	NRCHB-101	22-11-2020
5	Krishna Chanda	Lt. Sukhamai Chanda	Kathkothia	SC	9101134179	499442953127	NRCHB-101	22-11-2020
6	Ritul Das	Lt. Sarbananda Das	Kathkothia	SC	9401960354	754543583158	NRCHB-101	22-11-2020
7	Arun Bora	Lt. Jitumoni Borah	Kathkothia	OBC	9365171750	994128231867	NRCHB-101	22-11-2020
8	Kalpana Chetry	W/o Tilak Chetry	Da-chamua	OBC	8822364653	890154119145	PM-28	25-11-2020
9	Vanu Chetry	W/o Kailash Chetry	Da-chamua	OBC	6002782943	--	PM-28	25-11-2020
10	Kiran Bora	Hireswar Bora	Da-chamua	OBC		--	PM-28	24-11-2020
11	Khagendra Kumar Chetri	Karna Bahadur Chetri	Da-chamua	OBC	9101245490	717985482050	PM-28	22-11-2020
12	Dinesh Gogoi	Lt. Chandra Kt. Gogoi	Da-chamua	OBC	8011534992	--	TS-38	22-11-2020
13	Khirod Gogoi	Dimbeswar Gogoi	Da-chamua	OBC	--	--	TS-38	22-11-2020
14	Dipu Gogoi	Bhim Kt. Gogoi	Da-chamua	OBC	--	--	TS-38	22-11-2020
15	Deba Jyoti Tanti	Lt. Robiram Tanti	Kuwaripather	MOBC	9707931217	629385458122	TS-38	15-11-2020
16	Jiten Tanti	Lt. Dipak Tanti	Kuwaripather	MOBC	6001290938	227271178226	TS-38	16-11-2020
17	Ram Bahadur Chettri	Lt. Nor Bahadur Chettri	Kuwaripather	OBC	8471832220	--	TS-38	18-11-2020
18	London Manjhi	Putoli Manjhi	Kuwaripather	MOBC	--	--	PM-28	23-11-2020

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19	Md. Abdul Haque	Basuruddin Haque	Kuwaripather	GEN	7637871696	594720608110	PM-28	19-11-2020
20	Dharmeswar Kalita	Lt. Kamini Kalita	Kuwaripather	GEN	6001561519	640548190098	PM-28	16-11-2020

2. Name of Cluster: Kakodonga, Golaghat								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Bubul Hazarika	Lt. Nogen Hajarika	Demaji Miri	GEN	9613355445	--	NRCHB-101	17-11-2020
2	Hema Kanta Das	Nalin Das	Demaji Miri	SC	9101935696	--	NRCHB-101	15-11-2020
3	Prasanta Das	Bogiyon Das	Demaji Miri	SC	9577329847	--	NRCHB-101	24-11-2020
4	Moina Das	Surupai Das	Demaji Miri	SC	9101827163	--	NRCHB-101	15-11-2020
5	Rupantar Hazarika	Pobon Hazarika	Demaji Miri	GEN	6002611922	366446516155	NRCHB-101	19-11-2020
6	Bhaikan Hazarika	Lt. Nogen Hazarika	Demaji Miri	GEN	6002178928	675649725697	NRCHB-101	19-11-2020
7	Nilakant Das + Purna Kanta Das	Nalia Das + Guna Kanta Das	Demaji Miri	SC	8638028577	--	NRCHB-101	15-11-2020
8	Simanta Hazarika	Nandeswar Hazarika	Natun Chaori	GEN	8812082153	857527140061	NRCHB-101	19-11-2020
9	Photik Bora	Suren Bora	Natun Chapori	GEN	7086505860	823702982055	NRCHB-101	19-11-2020
10	Romen Mudoi	Nareswar Mudoi	Natun Chapori	GEN	8812934904	--	NRCHB-101	23-11-2020
11	Prdhlad Puzari	Gunjo Puzari	Natun Chapori	GEN	7002305077	513819828189	NRCHB-101	19-11-2020
12	Ananta Hazarika	Malbhog Hazarika	Natun Chapori	GEN	8753085288	221975486520	NRCHB-101	19-11-2020
13	Promud Bora	Ranjit Bora	Natun Chapori	GEN	7086289504	387344831076	NRCHB-101	23-11-2020
14	Biren Bora	Poneswar Bora	Natun Chapori	GEN	9864029371	--	NRCHB-101	24-11-2020
15	Shyamalbhodra Saikia	Bhudeswar Saikia	Khongia gaon	GEN	7002670115	--	PM-28	21-11-2020
16	Biren Mudoi	Pokiram Mudoi	Shiristika	GEN	8011984177	673213075858	PM-28	20-11-2020
17	Biren Bordoloi	Kanakashor Bordoloi	Shiristika	GEN	6001075279	413942043624	PM-28	23-11-2020
18	Muhon Dutta	Nakul Dutta	Shiristika	GEN	9101096911	702330910172	PM-28	23-11-2020

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19	Montu Saikia	Nogen Saikia	Shiristika	GEN	9365992078	294680697305	PM-28	23-11-2020
20	Koruna Mudoi	Biren Mudoi	Shiristika	GEN	9707930469	--	PM-28	23-11-2020

3. Name of Cluster: Bokakhat, Golaghat								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Nakul Saikia	Rukeswar Saikia	Japoripather	GEN	--	--	NRCHB-101	21-11-2020
2	Suren Saikia	Rukeswar Saikia	Japoripather	GEN	6000604129	945580305017	PM-28	21-11-2020
3	Diganta Saikia	Rongai Saikia	Japoripather	GEN	6002962797	--	NRCHB-101	19-11-2020
4	Jitul Saikia	Jiten Saikia	Japoripather	GEN	--	--	TS-38	20-11-2020
5	Jintu Bora	Photik Bora	Japoripather	OBC	--	--	TS-38	22-11-2020
6	Mohen Saikia	Rukeswar Saikia	Japoripather	GEN	--	--	NRCHB-101	23-11-2020
7	Madhab Chetry	Amrit Chetry	Japoripather	GEN	9101639526	--	NRCHB-101	25-11-2020
8	Udhbjyoti Nath	Lt. Danda Nath	Lukhrakhonia	OBC	8638449760	610406761480	PM-28	24-11-2020
9	Dadul Nath	Budhaswar Nath	Lukhrakhonia	OBC	8638984022	--	NRCHB-101	25-11-2020
10	Bikash Gogoi	Dhiren Gogoi	Lukhrakhonia	OBC	7086519325	293228008078	TS-38	25-11-2020
11	Mithu Nath	Ganesh Nath	Lukhrakhonia	OBC	9101110144	--	NRCHB-101	25-11-2020
12	Jintu Nath	Ganesh Nath	Lukhrakhonia	OBC	--	--	NRCHB-101	25-11-2020
13	Anda Murah	Mangra Murah	Lukhrakhonia	OBC	8638449760	--	NRCHB-101	25-11-2020
14	Rajib Borah	Khogen Borah	Difflopathar	OBC	9864257885	--	TS-38	26-11-2020
15	Rupjyoti Bharali	Sukleswar Bharali	Difflopathar	OBC	9101332856	--	PM-28	26-11-2020
16	Dibyajyoti Saikia	Robi Saikia	Difflopathar	OBC	--	--	NRCHB-101	28-11-2020
17	Bokul Munda	Jomai Munda	Difflopathar	TGL	--	--	NRCHB-101	28-11-2020
18	Amar Bori	Koneswar Bori	Difflopathar	ST	--	--	NRCHB-101	28-11-2020
19	Jayanta Bori	Naba Bori	Difflopathar	ST	--	--	NRCHB-101	28-11-2020
20	Sibaji Loying	Lolit Loying	Difflopathar	ST	--	--	NRCHB-101	28-11-2020

5. List of Beneficiary farmers of Jorhat district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Kaliapani, Jorhat								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	ID No.	Variety	Date of Sowing
1	Bhani Taye	Deepak Taye	Japong Gaon	ST	9954530851		NRCHB- 101	13-11-2020
2	Debika Narah	Madhab Narah	Japong Gaon	ST	9365916596	--	NRCHB -101	13-11-2020
3	Ramesh Pegu	Indeswar Pegu	Japong Gaon	ST	8822778412	--	TS -38	13-11-2020
4	Ranjit Taye	Moniram Taye	Japong Gaon	ST	7086337350	--	TS -38	13-11-2020
5	Pabitra Padun	BikudarBPadun	Japong Gaon	ST	882278412	--	PM -28	21-11-2020
6	Phuleswari Narah	Holiram Narah	Japong Gaon	ST	6002164724	--	PM -28	21-11-2020
7	Niroda Padun	Bhriguram Padun	Japong Gaon	ST	6900809285	--	NRCHB -101	21-11-2020
8	Huniram Borah	Konpai Borah	Kumar Gaon	OBC	6001026663	--	NRCHB -101	26-11-2020
9	Pobitra Saikia	Budhiram Saikia	Kumar Gaon	OBC	9365624174	--	TS -38	26-11-2020
10	Rongai Saikia	Lt. Bahadur Saikia	Kumar Gaon	OBC	9401088947	--	NRCHB- 101	26-11-2020
11	Atul Kalita	Lt. Bhugeswar Kalita	Kumar Gaon	OBC	6002789814	--	NRCHB -101	11-11-2020
12	Jintu Kalita	Bodon Kalita	Bhakat Gaon	OBC	9101453762	--	NRCHB -101	25-11-2020
13	Ramen Bora	Lt. Horumon Bora	Bhakat Gaon	OBC	6002487386	--	NRCHB -101	28-11-2020
14	Rupa Hazarika	Pradip Hazarika	Bhakat Gaon	OBC	9365703074	--	NRCHB -101	28-11-2020
15	Tilleshwar Kalita	Akhoni Kalita	Bhakat Gaon	OBC	86385957	--	PM -28	28-11-2020
16	Rupamoni Kalita	Junuk Kalita	Bhakat Gaon	OBC	7577903072	--	PM -28	26-11-2020
17	Noren Borah	Lt. Horumon Bora	Bhakat Gaon	OBC	7399194640	--	PM -28	25-11-2020
18	Luku Dutta	Gunadhor Dutta	Bhakat Gaon	OBC	9707139212	--	NRCHB- 101	26-11-2020

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19	Jintu Kalita	Budheswar Kalita	Koiboitra Goarh	OBC	7002008675	--	NRCHB -101	24-11-2020
20	Nibedita Borah	Lt Nomuram Borah	Koiboitra Goarh	OBC	9365457358	--	TS -38	28-11-2020
21	Budheswar Kalita	Lt Gunadhar Kalita	Koiboitra Goarh	OBC	8473907400	--	NRCHB -101	24-11-2020
22	Jayanta Baruah	Pulin Boruah	Koiboitra Goarh	OBC	9678443545	911309385313	NRCHB -101	24-11-2020
23	Shiva Nath Bora	Lt, Deban Bora	Duliya Gaon	OBC	9706155069		NRCHB -101	15-11-2020
24	Jyotish Bora	Niren Bora	Duliya Gaon	OBC	9101055627		NRCHB -101	22-11-2020
25	Homeshwar Saikia	Lt. Dhoneswar Saikia	Duliya Gaon	OBC	6000585044		NRCHB -101	24-11-2020
26	Bhaskarjyoti Bora	Lt. Dayaram Bora	Duliya Gaon	SC	6001317216		NRCHB -101	23-11-2020

2. Name of Cluster: Majuli, Jorhat

SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aaghar No.	Variety	Date of Sowing
1	Subramoniyam Sastri	Girish Sastri	Mohkina	SC	7002146221	798975796613	PM -28	7-11-2020
2	Hemanta Sarmah	Kumud Sarmah	Mohkina	GEN	9957685162	--	NRCHB-101	8-11-2020
3	Jintu Moni Devi	Dilip	Mohkina	GEN	9101542171	990561186715	PM -28	10-11-2020
4	Anil Narah	Khagen Narah	Mohkina	SC	9957685168	--	NRCHB-101	10-11-2020
5	Dharmeswar Borah	Mokhona Borah	Milanmadhupur	GEN	6026738797	--	PM -28	13-11-2020
6	Debajit Hazarika	Mahendra Hazarika	Milanmadhupur	GEN	6002236469	919030162273	PM -28	13-11-2020
7	Popy Borah	Rupak Borah	Milanmadhupur	GEN	7399919063	--	PM -28	14-11-2020
8	Kanak Das	Bupai Das	Milanmadhupur	SC	6000787537	928964383525	NRCHB -101	13-11-2020
9	Jan Saikia	Durna Saikia	Borbari	OBC	9101382057	269339113855	NRCHB -101	10-11-2020

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10	Ratul Saikia	Sadhaa Saikia	Borbari	OBC	7896206470	--	NRCHB -101	09-11-2020
11	Bhabani Gayan	Sandeswar Gayan	Borbari	GEN	9101818231	--	NRCHB -101	08-11-2020
12	Putul Saikia	Srikanta Saikia	Borbari	OBC	6001026007	--	NRCHB -101	08-11-2020
13	Prafulla Saikia	Manik Saikia	Rowmora	OBC	8638580637	260457325104	NRCHB -101	14-11-2020
14	Reba Bora	Liridhar Bora	Rowmora	GEN	7099306364	--	NRCHB -101	14-11-2020
15	Rajen Boruah	Redo Boruah	Rowmora	GEN	600879008	--	NRCHB -101	13-11-2020
16	Dharmeswar Borah	Aniram Borah	Rowmora	GEN	9707271935	--	NRCHB -101	12-11-2020

3. Name of Cluster: Ujani Majuli, Jprhat								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Paban Senapati	Purna Senapati	Borbil	OBC	9678653629	--	PM -28	08-11-2020
2	Swarna Borah	Dipen Senapati	Borbil	OBC	8812875644	--	PM -28	09-11-2020
3	Rupjyoti Borah	Mridul Senapati	Borbil	OBC	7896401043	--	NRCHB -101	15-11-2020
4	Rupa Senapati	Anil Senapati	Borbil	OBC	9678309032	--	NRCHB -101	13-11-2020
5	Anima Deori	Kejiya Deori	Mudoibill	ST	6002660398	448721447874	NRCHB -101	08-11-2020
6	Aijoni Deori	Anil Deori	Mudoibill	ST	9954392706	--	NRCHB -101	10-11-2020
7	Junmoni Boiragi	Ananta Boiragi	Mudoibill	OBC	6002933814	--	NRCHB -101	14-11-2020
8	Prodip Borah	Lt deba Borah	Mudoibill	OBC	9101832409	--	NRCHB -101	12-11-2020
9	Mina Deori	Senapati Deori	Major Deori	ST	7892613568	--	NRCHB -101	08-11-2020
10	Ayaz doley	Birinch doley	Major Deori	ST	8011273079	--	NRCHB -101	15-11-2020
11	Phukan Deori	Phiju Deori i	Major Deori	ST	7896056566	--	PM -28	10-11-2020
12	Hira Deori	Ajay Deori	Major Deori	ST	9365775360	--	PM -28	14-11-2020
13	Himai Deori	Benu Deori	Major Deori	ST	6002753435	--	PM -28	16-11-2020
14	Mina Deori	Amula Deori	Chiram Deori	ST	9101500434	--	NRCHB -101	10-11-2020
15	Purabi Deori	Ajay Deori	Chiram Deori	ST	9365507912	--	NRCHB -101	12-11-2020
16	Chandrama Deori	Numol Deori	Chiram Deori	ST	6001028213	517380847558	NRCHB -101	12-11-2020
17	Bornali Deori	Mansukha Deori	Chiram Deori	ST	6002128386	--	NRCHB- 101	13-11-2020
18	Anjana Deori	Gandhi Deori	Chiram Deori	ST	9954392706	--	NRCHB- 101	13-11-2020

6. List of Beneficiary farmers of Sivasagar district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Gaurisagar, Sivasagar								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Ratul Khaund	Lt. Padmadhar Khaund	Deogharia	OBC	7002131200	CXH0002498	NRCHB 101	11-11-2020
2	Biraj Kalita	Lt. Dhani Ram	Deogharia	OBC	7635941460	CXH0002485	PM-28	11-12-2020
3	Jeet Kalita	Ambeswar Kalita	Deogharia	OBC	8486675990	CXH0002435	NRCHB 101	13-11-2020
4	Dhaneswar Kalita	Lt. Balu Ram	Deogharia	OBC	9864453797	CXH0002459	NRCHB 101	13-11-2020
5	Nila Dutta	Lt. Amala Dutta	Deogharia	OBC		CXH0002384	NRCHB 101	13-11-2020
6	Diganta Baruah	Kukhram Baruah	Deogharia	OBC	7636822685	CXH0002451	DRMR 150-35	11-12-2020
7	Binanda Baruah	Lt. Bhula	Deogharia	OBC	8133877152	CXH0002464	NRCHB 101	12-11-1010
8	Bulu Borah	Lt. Tupidhar Borah	Namdongia bongali	OBC	8011556162	CXH0006745	PM-28	13-11-2020
9	Ramen Borah	Lt. Sarumon Borah	Namdongia bongali	OBC	7635921915	CXH0006846	DRMR 150-35	11-11-2020
10	Nabapratim Saikia	Lt. Soda Saikia	Namdongia bongali	OBC	8011085282	CXH0206839	DRMR 150-35	13-11-2020
11	Jagyeswar Borah	Lt. Susendra Borah	Namdongia bongali	OBC	6000178516	CXH0006754	NRCHB 101	11-11-2020
12	Robin Borah	Lt. Susendra borah	Namdongia bongali	OBC	9864298165	CXH0006758	NRCHB 101	11-11-2020
13	Bidyut Borah	Lt. Tilok Borah	Namdongia bongali	OBC	8876464930	CXH0097535	NRCHB 101	11-12-2020
14	Jayanta Borah	Lt. Akantiram Borah	Namdongia bongali	OBC	8761074105	CXH0335519	NRCHB 101	13-11-2020

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15	Lakhimai Neog	Arun Neog	Decial	OBC	9957959776	CXH0004909	PM-28	11-11-2020
16	Kushal Neog	Dhaniram Neog	Decial	OBC	7099744682	CXH0004833	PM-28	13-11-2020
17	Pinky Dutta	Dinesh Dutta	Decial	OBC	8486108842	CXH1037907	DRMR 150-35	11-12-2020
18	Pranjal Dutta	Chitradhar Dutta	Decial	OBC	9957786486	CXH0005361	NRCHB 101	11-11-2020
19	Indrajit Saikia	Lt. Tonuram Saikia	Decial	OBC	8011087409	CXH0005299	DRMR 150-35	11-12-2020
20	Diganta Kalita	Lt. Akon Kalita	Decial	OBC	9101188760	CXH1037203	DRMR 150-35	11-12-2020

2. Name of Cluster: Demow, Sivasagar								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Sunil Phukan	Sonaram Phukan	Gorukhuti	OBC	8011525814	GPK2736927	PM-28	17-11-2020
2	Sushil Chetia	Lt. bhula Chetia	Gorukhuti	OBC	8011298587	--	PM-28	20-11-2020
3	Sandaijya Dihingia	Lt. Mila Ram Dihingia	Gorukhuti	OBC	97067133931	GPK-2636466	NRCHB 101	10-11-2020
4	Rita Gogoi	Tankeswar Gogoi	Gorukhuti	OBC	6002216674	GPK-3437738	NRCHB 101	18-11-2020
5	Bina Boruah	Utpal Boruah	Gorukhuti	OBC	8638731532	GPK-1308947	NRCHB 101	17-11-2020
6	Budhin Gogoi	Kamal Gogoi	Gorukhuti	OBC	9365362843	GPK-2640973	DRMR 150-35	17-11-2020
7	Rekha Dihingia	Anil Dihingia	Gorukhuti	OBC	7086321409	GPK-2635861	DRMR 150-35	10-11-2020
8	Bidya Borbora	Promod Borbora	Majumelia	OBC	7086673550	GPK-4937659	PM-28	13/11/2020
9	Jeena Borgohain	Niranjan Borgohain	Majumelia	OBC	9365128859	GPK-4937728	DRMR 150-35	11-11-2020
10	Dibyajyoti Borgohain	Bhaimoni Borgohain	Majumelia	OBC	8135070390	GPK-4935186	DRMR 150-35	13/11/2020
11	Gautom Mili	Ganesh Mili	Majumelia	OBC	N/A	--	NRCHB 101	11-11-2020
12	Sarbananda Tai	Bholuka Tai	Majumelia	OBC	9101852811	--	NRCHB 101	11-11-2020
13	Ukiram Kapta	Lt L.kapta	Majumelia	OBC	9365646573	--	NRCHB 101	11-12-2020
14	Girikanta Mili	Lt H.Mili	Majumelia	OBC	9101852811	--	NRCHB 101	13/11/2020
15	Boloram Mout	Lt P.Mout	Khanikar gaon	OBC	7086468337	GPK-1086302	PM-28	10-11-2020
16	Rubi Gogoi	Kushal Gogoi i	Khanikar gaon	OBC	9365389334	GPK-1089856	NRCHB 101	11-11-2020
17	Raju Gogoi	Bolu Gogoi	Khanikar gaon	OBC	6001355973	GPK-0110650	NRCHB 101	10-11-2020
18	Biswa Mout	Lt kekon mout	Khanikar gaon	OBC	7002792163	GPK-1086459	NRCHB 101	11-11-2020
19	Bina Gogoi	Probin Gogoi	Khanikar gaon	OBC	9957269769	GPK-1095687	PM-28	10-11-2020
20	Simanta Khanikar	L khanikar	Khanikar gaon	OBC	8011169531	GPK-1094753	PM-28	10-11-2020

7. List of Beneficiary farmers of Morigaon district of Assam under ICAR-DRMR-APART Programme 2020-21

1. Name of Cluster: Mayong, Morigaon								
SN	Name of Farmer	Father's Name	Village	Caste	Mobile No.	Aadhar No.	Variety	Date of Sowing
1	Manika Saikia	W/o Ratul Saikia	Sativeti	Gen	8876317134	N/A	PM-28	17-11-2020
2	Kunti Saikia	W/o Apurba Saikia	Sativeti	Gen	7896079252	N/A	NRCHB-101	17-11-2020
3	Panita Saikia	W/o Chandra Kt. Saikia	Sativeti	Gen	6001262181	N/A	PM-28	17-11-2020
4	Megali Saikia	W/o Udhav Saikia	Sativeti	Gen	9101906028	N/A	NRCHB-101	17-11-2020
5	Hemakhi Bora	W/o Bindaban Saikia	Sativeti	Gen	7002148212	N/A	NRCHB-101	17-11-2020
6	Rukmini Saikia	W/o Kameswar Saikia	Sativeti	Gen	6000657106	N/A	NRCHB-101	17-11-2020
7	Sangita Saikia	w/o Purnadhar Saikia	Sativeti	Gen	9854825587	N/A	DRMR-150-35	17-11-2020
8	Gulap Senapati	Lt. Bhaun Senapati	Botabori	ST	6000614781	N/A	NRCHB-101	11-11-2020
9	Prasanta Bordoloi	Asuram Bordoloi	Botabori	ST	6001091669	N/A	DRMR-150-35	11-11-2020
10	Binud Bordoloi	Lt. Loi Bordoloi	Botabori	ST	9859934642	N/A	PM-28	11-11-2020
11	Jayanta Kr. Bordoloi	Uban Ch. Bordoloi	Botabori	ST	6000290207	N/A	DRMR-150-35	11-11-2020
12	Sankar Bordoloi	Tithibor Bordoloi	Botabori	ST	6003061373	N/A	NRCHB-101	11-11-2020
13	Nandeswar Bordoloi	Lt. Lipsing Bordoloi	Botabori	ST	9995403140	N/A	PM-28	12-11-2020
14	Dikuswar Bordoloi	Pitaram Bordoloi	Botabori	ST	6003791419	N/A	PM-28	12-11-2020
15	Rupak Deka	Lalt Deka	Hatimuria	OBC	9101837228	N/A	NRCHB-101	12-11-2020
16	Umesh Deka	Lt. Gupal Deka	Hatimuria	OBC	9127369416	N/A	NRCHB-101	11-12-2020
17	Kandarpa Baishya	Padmeswar Deka	Hatimuria	OBC	9170020515	N/A	NRCHB-101	20-11-2020
18	Paresh Bora	Prabhat Deka	Hatimuria	Gen	7577012772	N/A	NRCHB-101	10-11-2020
19	Upen Deka	Khasing Deka	Hatimuria	OBC	9854346614	N/A	NRCHB-101	13-11-2020
20	Dipen Deka	Manik Deka	Hatimuria	OBC	9859143234	N/A	NRCHB-101	13-11-2020

