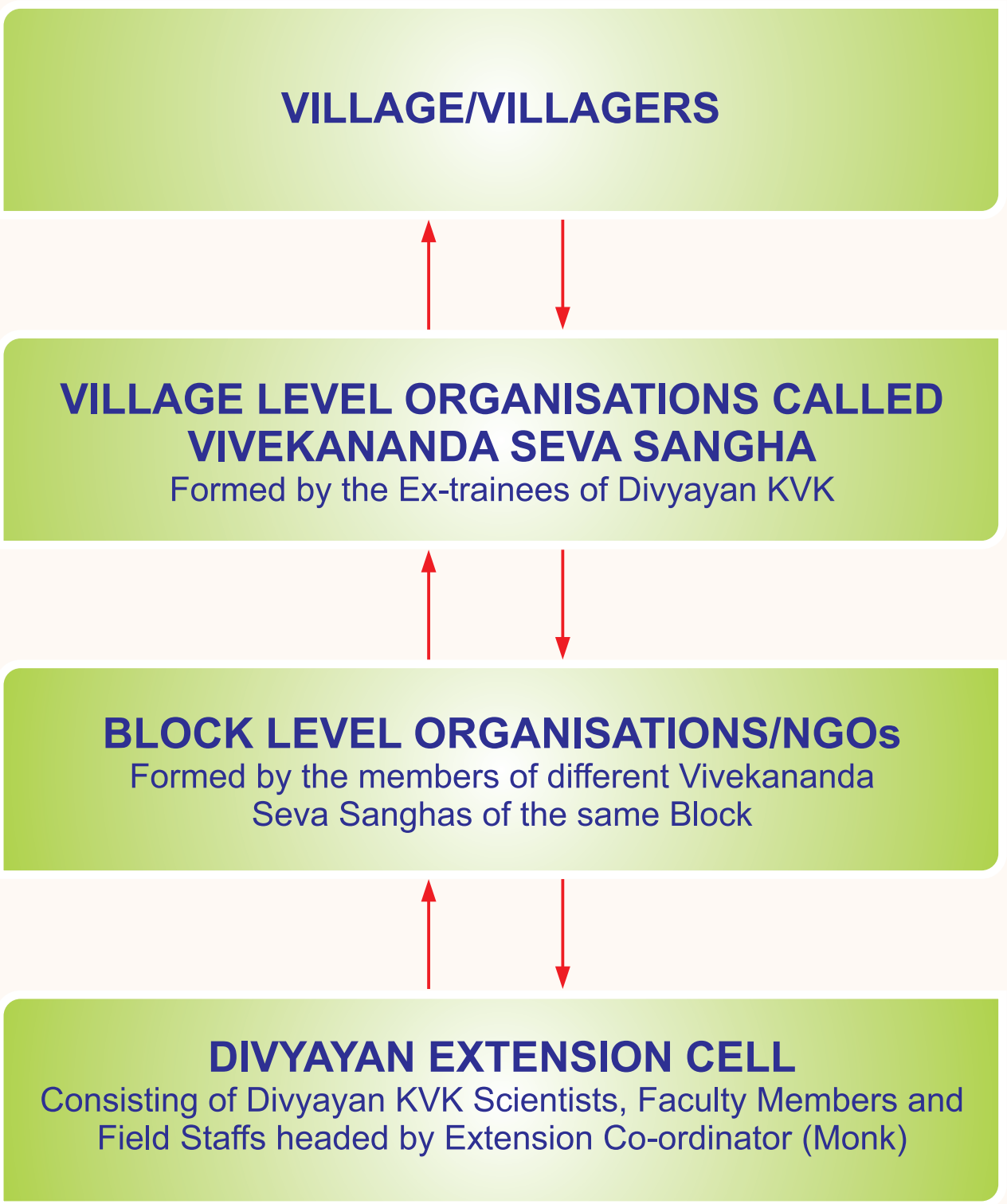
D.2 Extension and Follow Up

Go from village to village, do good to the humanity & the world at large
- Swami Vivekananda





D.2.a Modus Operandi of Extension and Follow-up programmes



D.2.b Organising 125 V.S.Ss (Vivekananda Seva Sangha), Quarterly Magazine and Audio Visual Programme

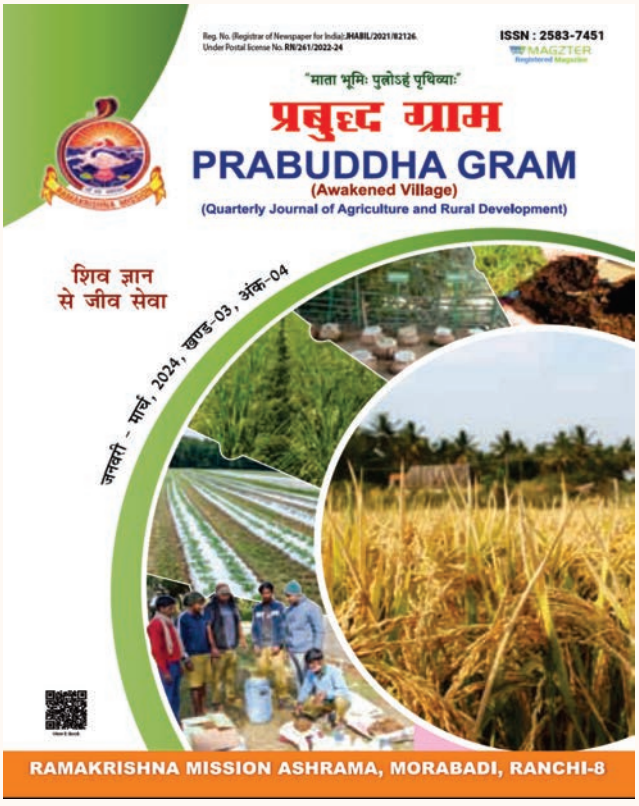
Vivekananda Seva Sangha: Once Swami Vivekananda had said " No great work can be done without an organisation". Acting on this message, our ex-trainees are encouraged to form village level organizations named Vivekananda Seva Sagha (VSS). Extension and village activities are executed through these VSSs. They work collectively for the development of their own village, harnessing the internal potentialities as well as available resources not depending on help from outside. Till date **125** nos. of VSSs have been formed which are successfully functioning in their respective localities.

Publication of Quarterly Magazine Prabuddha Gram (Awakened Village): This Ashrama has been serving the rural people of Jharkhand for more than 50 years. Over the years we have developed a lot of technologies, a number of successful farmers and undertaken many research works through our Krishi Vigyan Kendra and RKMVERI for the development of the rural poor.

Swami Vivekananda said "Hence our object is to see that everyone down to chandal be helped to attain the right to. Dharma, Artha, Kama and Moksha."

Keeping the above aim in mind, we have been publishing a quarterly bilingual (Hindi and English) rural development magazine "PRABUDDHA GRAM (Awakened Village)" to disseminate these technologies, knowledge from experience and research findings among different stakeholders of rural development in India especially in Jharkhand, The first issue (April - June 2021) was published in the month of July 2021. This has got ISSN number as well as recognized by magzter during the reporting period.

This quarterly magazine replaced the Monthly News Letter Divyayan Samachar.



Quarterly News Letter - Prabuddha Gram

Visit of Mobile Audio-Visual Unit in Villages : A vehicle, fully equipped with audio-visual devices, moves extensively in the villages as per scheduled programme. This unit is equipped with T.V., DVD/CD players, multimedia projector, CDs and DVDs, to conduct shows on various aspects of rural development, agricultural production and spirituality. This year in total **92** shows were held. involving **6478** nos. of beneficiaries



Audio-Visual Programme in Rural Areas

D.2.c Sri Ramakrishna Annual Regional and Central Kisan Melas

Like every year this year the Ashrama has conducted 3 Regional Kisan Melas based on the theme '*Healthy soil- Healthy crop- Healthy society through Natural/Organic Farming*' . The Regional Kisan Melas were organised in the villages Beyang, Kharkutoli and Baridih under Dulmi, Burmu and Bero Blocks respectively. All the Melas were keenly participated by the farmers of the respective locality. The objectives of organizing these Kisan Melas were to demonstrate latest agricultural technologies to the farmers as well as to the extension workers for increasing production and productivity of the farming community. As such, taking advantage of these Farmers' fairs dissemination of technologies through exhibition and farmer scientist interactions were carried out. All the fairs were able to attract a good number of participation of farmers from different villages of the same Block. On an average every fair received around **361** nos. of exhibits on different agronomical & horticultural crops, animals, birds, handy craft, cottage industry etc. Details of the mela is given as under :

Place	Date	No. of Exhibits	No. of Prizes given away	Approx. No. of Farmers Participated
Beyang, Dulmi	09 Jan 2024	426	89	2500
Kharkutoli, Burmu	17 Jan 2024	422	89	3000
Baridih, Bero	30 Jan 2024	235	74	3500



Regional Kisan Mela at Beyang, Ramgarh



Regional Kisan Mela at Baridih under Bero Block



Regional Kisan Mela at Kharkutoli under Burmu Block

45th Sri Ramakrishna Central Kisan Mela 2023-24

For promoting natural farming and emerging new technologies into the farming system, a two-day Central Kisan Mela (08th February to 09th February) was organized at Getalsud Farm of Angara Block in Ranchi District by the joint collaboration of Divyayan Krishi Vigyan Kendra (DKVK) Ramakrishna Mission Aashram, RKMVERI, and Vivekananda Seva Sangha of Angara Block. The theme of the Mela was "Prakritik/jaivik krishi se hi swasth mitti swasth fasal swasth samaj". The technology demonstrated in mela was mainly focused on Natural farming, fruits and vegetable cultivation based on natural farming, food processing of indigenous crop, indigenous cow and goat farming etc. The Mela was mainly sponsored by Divyayan krishi vigyan Kendra (SCSP), Ranchi, National Bank for agriculture and Rural Development (NABARD), Agriculture Technology Management Agency (ATMA), Ranchi.

Objectives of the farmers' fair:

1. To bring awareness among the farmer about the importance of the natural farming system and millet crops.
2. To introduce farmers with new technologies of integrated agriculture.
3. To popularize natural farming and boost confidence among the farmer in adopting natural farming for the sake of environment and health without losing productivity.
4. To demonstrate low cost implements to reduce drudgery and increase agricultural productivity.
5. To provide an opportunity for exchange of ideas/ technologies/ innovation among farmers and various stake holders.
6. To send a message among the rural mass that integrated watershed approach is the best way to bring development in the rural area.
7. To inform the farmers about the role of banks in agriculture.

To meet the above objectives different types of extension aids like stalls, models, live demonstrations, audio-visual shows, charts and posters were developed and Kisan Gosthis organized during Mela. All the events and shows were conducted in local/Hindi language. Scientists from the different Agriculture Universities and Research Stations were invited in Mela for the direct interaction with the farmers.

Though the Mela was started to the farmers since 8:00 am on 8th February, 2024 but it was formally inaugurated at 1:00 pm by the Chief guest smt Nisha Oraon, director panchayati raj, govt of Jharkhand and special guest Jila Parishad Adhyaksh smt Nirmala Bhagat,.



Welcome of Guests and Inauguration of Mela by Smt. Nisha Oraon, Director, Panchayati raj, Govt. of Jharkhand

Crop and Animal Exhibition: To encourage and to increase the participation of the farmers' and for horizontal dissemination of technology the farmers were informed in prior to bring their own produce as exhibits and will awarded for the best produce. 410 crops brought by farmers like vegetables, fruits, handcrafts, lac, and mushroom were of good quality. 102 farmers were given prizes for their best exhibits.

Stalls and Live models: 32 stalls from various research institutes, private seed and fertilizer companies, agricultural implements companies etc. were there besides the stalls of Divyayan Krisi Vigyan Kendra, Ramkrishna Mission Vivekananda University and other departments of Ashrama.

Different technology was demonstrated under this theme conservation of indigenous cow, goat breed was displayed, chemical free farming of paddy, Marie gold, fodder maize, drip irrigation organic multilayer orchard, azola cultivation were displayed.

value added product from indigenous cereals, millets, pulses, oilseeds, fruits and vegetables crop of Jharkhand were displayed and nutri thali was also demonstrated to make farmer aware of the local resources on different nutrient, balance diet and its health benefits.

Apart from Divyayan Krishi Vigyan Kendra and Ashram Stalls, different Government and Non –Government organizations installed their stalls.

Kisan Gosthi: Kisan goshti were organized on each day of Mela and discussion were held on different subjects of farmer's interest like lac cultivation, crop production, vegetable farming, natural/organic cultivation, farm implements and dairy. The problems of different areas of agriculture and allied field raised by the farmers were directly addressed by the concern scientists. Scientist from various universities and research institutes and 500 farmers participated in the Kisan Gosthi

Concluding session: On the 2nd day of the Mela, a concluding session was held in which the chief guest of the mela was Sri Sudesh Kumar Mahto, MLA, Silli, Jharkhand and. Swami Bhaveshananda, Secretary Ramakrishna Mission Ashrama, were embellishing the Mela by giving their presence and jointly conclude the session.

Chief Guest appreciated the technology demonstrated by divyayan KVK and other organisations. Secretary of Ramakrishna Mission Swami Bhaveshananda appealed to farmers for adopting natural

farming practices. Giving information about the organic farming Swami ji said that through natural farming farmers can improve their wealth as well as health.



Mela Central Stage and Gathering of Guests and farmers

Awards: In concluding session various awards are given in different categories which are given below:

Category 1: Best Farmer award : Shri. Somra bediya, khaksitoli, Angara

Category 2: Best Organic Farmer Award : Shri Radheshyam bediya, Mungadih, Angada

Category 3: Best Vivekananda Seva Sangh : Lamkana Vivekanada Seva Sangh, Bedo

Ctegory 4: Best stall (Govt.) : ICAR-NISA, Namkum, Ranchi

Category 5: Best stall (Private) : Semina Agro, Ranchi

Highlights of Kisan Mela

Approx 10000 visitors from rural areas of Ranchi district.

410 exhibits from all sector of Agriculture, livestock and handicrafts.

Countless interactions with farmers, scientist, bank and private companies related to agriculture.

Live Demonstrations on Agricultural based Natural Resource Management.

25 speakers from different forums and more than 500 farmers participated in Kisan Gosthi

104 nos. of farmers awarded

Sale and exhibition of seed and planting materials.

Sale and exhibition of organic products and value added products by farmers

Honour award to progressive farmer and organic farmer.



Visit of Different Stalls



Awards and Felicitation to Farmers



Visit of Stalls by Guests



Kisan Gosthi and Farmers Gathering at Mela



Cultural Programme by Rural Children

D.2.d Garib Kalyan Sammelan

On 27 July 2023, during the visit to Seekar, Rajasthan, Prime Minister, Shri Narendra Modi addressed the farmers and beneficiaries of the different welfare schemes being run by central government via video-conferencing. The live telecast of this program was shown in the auditorium of Divyayan Krishi Vigyan Kendra, Ramkrishna Mission Ashrama, Morabadi, Ranchi.

The objective of the programme was to create awareness about sulphur coated urea, Digital network for FPOs and to create awareness on different welfare schemes for farmers through freewheeling interaction with beneficiaries. The endeavour is to make the reach and delivery of government programmes more efficient so as to improve the ease of living of farmers of the country. To achieve the objective, Chief Ministers, Central Ministers, State Ministers, Members of Parliament, Members of Legislative Assembly and other elected public representatives directly interacted with the public at their respective locations across the country.

The programme was conducted in the auditorium of Ramakrishna Mission Ashrama, Morabadi in gracious presence of Hon'ble MP, Sri Mahesh Poddar. He directly interacted with the beneficiaries of the different schemes and urged the participants to cover their fellow villagers under different welfare schemes of the govt. Sammelan was attended by 120 participants. A farmer scientist interaction was held on "Management of Kharif Crops" in the first session and short films on different schemes of Govt. of India were shown to the participants. Then the direct telecast of Hon'ble Prime Minister's address from Shimla was shown to the participantsl.During the programme Hon'ble prime minister interacted with the beneficiaries of the different schemes and urged the participant to cover their fellow villagers under different welfare schemes of the govt.

Prime Minister also released the 14th instalment of financial benefit under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme. This enabled the transfer of an amount of around Rs. 17,500 crore to more than 8.5 crore beneficiary farmer families. On the occasion, Prime Minister also interacted with the beneficiaries of (PM-KISAN) across the country.



Live Telecast of Hon'ble Prime Minister Sri Narendra Modi's Address

D.2.e Kisan Gosthi, Adaptive Research (CFLD, FLD and OFT)

Kisan Gosthi: These are conducted to apprise the farmers about different technologies involved in production of different crops and to have direct interaction with farmers. This year **06** Kisan Gosthis were organized involving **1316** farmers.

Cluster Front Line Demonstration (CFLD) and Front Line Demonstration (FLD):
The field demonstration conducted under the close supervision of scientists is called Front Line Demonstration, as the technologies are demonstrated for the first time by the scientists themselves before being fed into the main extension system of the State Department of Agriculture. The main objective of CFLD/FLD is to demonstrate newly released crop production and different technologies and its management practices in the farmers' field under different agroclimatic region and farming situation. During 2023-24, CFLD and FLD programmes were conducted on **18** different crops/technologies/implements like paddy, wheat, niger, green gram, mustard, tomato etc. involving **874** farmers. Feed back from the involved farmers have been properly collected and provided to respective research institutions.

Details of the CFLD and FLD Programmes Conducted

Sl. No.	Crop/Technology	Variety	Area(ha)	No of Farmers
Cereals				
1	Finger Millet	A 404	40.00	140
2	Paddy	CR 320, CR 314	07.00	33
Oil Seeds				
3	Mustard	PM-30	40.00	100
4	Sesame	Kankesaphed	10.00	25
5	Niger	BN-2	10.00	25
6	Soyabeen	RKS-18	10.00	25
7	Sunflower	DRSF-108	10.00	25
Pulses				
8	Pigeon pea	Rajiv Lochan	50.00	125
9	Black Gram	Pu31, WBU109	30.00	75
10	Lentil	L4717	20.00	50
Other Crops/Technology				
11	Tomato	Arka Abhed	2.00	12
12	Maize(fodder)	J 1004	--	36
13	Vegetable pea	Pusa Pragati	02.00	28
14	Poultry	Utilization of turmeric power to enhance immunity	50 Units	50
15	Nutri Garden	--	00.10	50
16	Paddy Weeder		05	13
17	Cycle Hoe (Pea Crop)		05	13
18	Battery Sprayer (Paddy Crop)		05	15
		Total	**323.4ha/115units**	**874**



CFLD on Black Gram



CFLD on Sun Flower



CFLD on Green Gram



CFLD on Letil



CFLD on Mustard



Input Distribution to CFLD Farmers



Field Day and Training under CFLD Programme

On-Farm Trial (OFT)

Objective of this activity is to assess the technologies based on local problems to best fit the socio-economic condition of the farmers and to identify the production constraints. During 2023-24, **12** nos. of On-Farm Trials have been conducted on different crops involving **136** farmers, in different villages of Ranchi District. Details of the OFTs conducted during the year are as given below.

Technological Interventions	Yield (Q/ha)	Yield increase (%)	B:C Ratio
1. Improvement of Nitrogen use efficiency in wheat.	37.58	4.2	1.78
2. Integration of fertilizer in different form on yield of lentil.	9.50	2.7	1.81
3. Augmenting cucurbits (bitter gourd) production in Ranchi district by using different cutting technique ensuring higher returns and minimizing risk.	14.60	14.89	5.56
4. Low crop productivity as compared to state as well as national productivity due to high incidence of different diseases like Leaf Curl Virus, Bacterial Wilt, Early and late Blight.	65.3	49.7	2.05
5. Assessment of bio-intensive management practices for major pests in Tomato.	34.39	154	4.55
6. Fruit fly infestation is very common problem in cucumber which leads to significant yield loss..	138.27	52.8	2.06
7. Assessment of microbial consortia against wilting in Solanaceous crops (Tomato).	465.00	16.8	3.87
8. Regulation of bearing potential in litchi (Litchi chinensis) through girdling of primary branches.	32.92 kg/tree	334.3	2.83
9. To assess the effect of probiotic on milk production.	12.57 ltr/d/cow	16.14	2.00
10. Assessment of the effect of Moringa Leaves Powder (Moringaoleifera) on growth performance in backyard poultry.	Rs. 1173/NP/Bird	29.77	2.27 male/5.82 female
11. Value addition of futkal leaf (Ficus virens) to improve the consumption span	9/10(Over all acceptability)		
12. Preparation of Candy from tamarind	9/10(Over all acceptability)		



OFT ON AGRONOMY



OFT ON PLANT BREEDING



OFT ON ANIMAL HUSBANDRY



OFT ON HORTICULTURE, PLANT PROTECTION AND FOOD PROCESSING

D.2.f Technologies Transferred for Doubling Farmers' Income

Sl. No.	Name of Programme	Objective of the Programme	Name of Village/Area	No. of Farmers Covered
1	**Promotion of Mustard Production among Tribal Farmers of Jharkhand for augmenting Sustainable Livelihood Security**	Improvement in livelihood of tribal farmers of the area through mustard cultivation.	Village- Ganeshpur, Block - Ormanjhi Village - Sumo Block-Burmu Village- Tigranayatoli Block- Ratu	108 farmers
2	**Out Scaling of Natural Farming**	To promote Natural Farming through awareness, training and demonstration	Ranchi District	Awareness - 4668 Training - 416
3	**Promotion of Local Resource Based Technologies for upliftment of socio-economic condition of**	To promote eco-friendly and sustainable agricultural techniques that reduce dependency on synthetic inputs.	Villages under Angara, Mandar, Burmu, Kanke	125
4	**ARYA (Attracting and Retaining Youth in Agriculture)**	➢ To attract and empower the youth in rural areas to take various agriculture allied and service sector enterprises for sustainable income and gainful employment in selected district. ➢ To enable the farm youth to establish network groups to take up resource and capital intensive activities like processing, value addition and marketing.	Beneficiaries of 18 villages under Angara, Silli, Rahe, Burmu, Lapung, Itki, Bero and Lapung	94
5	**Devlopment of Organic Cluster under KVK (TSP) Programme**	➢ To develop organic cluster ➢ To increase the profitability ➢ To achieve the goal of doubling farmers' income ➢ To decrease input cost by natural resource based organic nutrient management	Dhurleta, Budhakocha, Piprabera, Gundalitoli, Simratoli, Dublabera, Nagrabera and five villages of Nawagarh panchayat of Angara Block	13 villages, 460 Farmers Covering 700 acres

Sl. No.	Name of Programme	Objective of the Programme	Name of Village/Area	No. of farmers Covered
6	**Cluster Front Line Demonstration (CFLD)**	Introduction of improved variety and new technologies to farmers	Ranchi District	450 farmers/ 180ha
7	**Front Line Demonstration**	Introduction of improved variety and new technologies to farmers	Ranchi District	490
8	**On Farm Trials**	➢ To identify the location specifics of agricultural technologies under various farming systems. ➢ Assessment of existing technology so as to suit the need of the farmer	13 Villages of Diffrent Blocks in Ranchi District	121



Training on Lac Cultivation



Training on Bee Keeping



Goatery Training



CFLD/FLD Programmes