

# NICRA Annual Report 2019-20

## I. Module I : NRM

**Table. Performances of demonstration of in-situ moisture conservation technologies**

| Technology demonstrated                                      | No. of farmers | Area (ha)   | Yield (q/ha) | Economics of demonstration (Rs/ha) |            |      |
|--------------------------------------------------------------|----------------|-------------|--------------|------------------------------------|------------|------|
|                                                              |                |             |              | Gross Cost                         | Net Return | BCR  |
| Green manuring (dhanicha) in rice                            | 11             | 03          | 37.7         | 33000                              | 31090      | 1.94 |
| Brown manuring in rice                                       |                |             |              |                                    |            |      |
| Summer Ploughing in rice                                     |                |             |              |                                    |            |      |
| Azolla in Paddy                                              |                |             |              |                                    |            |      |
| Zero Tillage in wheat / Maize/ Others crops                  |                |             |              |                                    |            |      |
| Repair of bund                                               | 14             | 04          | 39.6         | 36000                              | 31320      | 1.87 |
| Horticultural production through land embankment development |                |             |              |                                    |            |      |
| Organic mulching in vegetables                               |                |             |              |                                    |            |      |
| Mulching in Brinjal                                          | 06             | 0.3         | 218          | 95000                              | 123000     | 2.29 |
| Maize in Ridge & Furrow system                               | 10             | 03          | 42.8         | 29000                              | 30920      | 2.07 |
| <b>Total</b>                                                 | <b>41</b>      | <b>10.3</b> |              |                                    |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performances of water harvesting and recycling for supplemental irrigation**

| Technology demonstrated                               | No. of farmers | Area (ha)/Unit | Output (q/ha) | Economics of demonstration (Rs/ha) |            |     |
|-------------------------------------------------------|----------------|----------------|---------------|------------------------------------|------------|-----|
|                                                       |                |                |               | Gross Cost                         | Net Return | BCR |
| Renovation of pond for fish production and irrigation |                |                |               |                                    |            |     |
| Renovation of canal                                   |                |                |               |                                    |            |     |
| 5% Model                                              |                |                |               |                                    |            |     |
| Bora bandh                                            |                |                |               |                                    |            |     |
| Renovation of Well for irrigation                     |                |                |               |                                    |            |     |
| Bund making leveling in paddy field                   |                |                |               |                                    |            |     |
| New water harvesting structure                        |                |                |               |                                    |            |     |
| Raising of land embankment                            |                |                |               |                                    |            |     |
| Ground water recharge                                 |                |                |               |                                    |            |     |
| Desiltation of defunct water harvesting structures    |                |                |               |                                    |            |     |
| Renovation of irrigation channel                      |                |                |               |                                    |            |     |
| Newly Check dam                                       |                |                |               |                                    |            |     |
| Renovation of common pond                             |                |                |               |                                    |            |     |
| Repairing of checkdam                                 | 63             | 0.2            | 41.4          | 32000                              | 38380      | 2.2 |
| <b>Total</b>                                          | <b>63</b>      | <b>0.2</b>     |               |                                    |            |     |

Enclosed 2/3 photos

**Table. Performance of artificial ground water recharge technologies demonstrated**

| Technology demonstrated                         | No. of farmers | Area (ha) | Output (q/ha) | Economics of demonstration (Rs./ha) |            |     |
|-------------------------------------------------|----------------|-----------|---------------|-------------------------------------|------------|-----|
|                                                 |                |           |               | Gross Cost                          | Net Return | BCR |
| Field bunding for rice                          |                |           |               |                                     |            |     |
| Water management through bunding of rice        |                |           |               |                                     |            |     |
| Ground water recharge through SRI by sub-soiler |                |           |               |                                     |            |     |
| Any intervention not covered in above           |                |           |               |                                     |            |     |
| <b>Total</b>                                    |                |           |               |                                     |            |     |

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**Table. Performance of different water saving irrigation methods**

| Technology demonstrated                     | No. of farmers | Area (ha)   | Output (q/ha) | Economics of demonstration (Rs./ha) |            |     |
|---------------------------------------------|----------------|-------------|---------------|-------------------------------------|------------|-----|
|                                             |                |             |               | Gross Cost                          | Net Return | BCR |
| Irrigation system (micro Irrigation system) |                |             |               |                                     |            |     |
| Application of biofertilizer in Greengram   | 50             | 20          | 6.2           | 14000                               | 17000      | 2.2 |
| Vermi-compost from biodegradable wastes     |                |             |               |                                     |            |     |
| Production of crops on farm bund            | 10             | 0.4         | 6.1           | 17000                               | 13500      | 1.8 |
| RBF in crops                                |                |             |               |                                     |            |     |
| LEWA in crops                               |                |             |               |                                     |            |     |
| Sprinkler irrigation in crops               |                |             |               |                                     |            |     |
| Any intervention not covered in above       |                |             |               |                                     |            |     |
| <b>Total</b>                                | <b>60</b>      | <b>20.4</b> |               |                                     |            |     |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of other demonstrations**

| Technology demonstrated | No. of farmers | Area (ha) | Output (q/ha) | Economics of demonstration (Rs./ha) |            |     |
|-------------------------|----------------|-----------|---------------|-------------------------------------|------------|-----|
|                         |                |           |               | Gross Cost                          | Net Return | BCR |
| Demo 1                  |                |           |               |                                     |            |     |
| Demo 2                  |                |           |               |                                     |            |     |
| Demo 3                  |                |           |               |                                     |            |     |
| Others if any           |                |           |               |                                     |            |     |
| <b>Total</b>            |                |           |               |                                     |            |     |

Enclosed 2/3 photos

**Table: Rainwater harvesting structures developed**

| RWH structures                                  | No. | Storage capacity (cu.m) | No. of farmers | Protective irrigation potential (ha) | Increase in cropping intensity (%) |
|-------------------------------------------------|-----|-------------------------|----------------|--------------------------------------|------------------------------------|
| Desilting Pond                                  |     |                         |                |                                      |                                    |
| New Pond created                                |     |                         |                |                                      |                                    |
| Pond Renovation                                 |     |                         |                |                                      |                                    |
| Canal                                           |     |                         |                |                                      |                                    |
| Checkdam                                        |     |                         |                |                                      |                                    |
| 5% model                                        |     |                         |                |                                      |                                    |
| Pyne                                            |     |                         |                |                                      |                                    |
| Well                                            |     |                         |                |                                      |                                    |
| Inlet Channel                                   |     |                         |                |                                      |                                    |
| Desilting drainage channel                      |     |                         |                |                                      |                                    |
| Bora bandh (Temporary check dam)                |     |                         |                |                                      |                                    |
| Repaired well                                   |     |                         |                |                                      |                                    |
| Jalkund                                         |     |                         |                |                                      |                                    |
| Small ditches for jute retting                  |     |                         |                |                                      |                                    |
| Landshaping and rain water harvesting structure |     |                         |                |                                      |                                    |
| Total                                           |     |                         |                |                                      |                                    |

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## Module II: Crop Production

**Table. Performance of different drought tolerant varieties**

| Technology demonstrated<br>Crops with varieties          | No. of farmers | Area (ha) | Yield(q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |      |
|----------------------------------------------------------|----------------|-----------|-------------|-------|------------|-------------------------------------|------------|------|
|                                                          |                |           | Demo        | Local |            | Gross Cost                          | Net Return | BCR  |
| Drought tolerant short duration Rice var. Sahabdagidhan  | 45             | 18        | 26.3        | 22.6  | 16.3       | 24000                               | 14420      | 1.6  |
| Drought tolerant medium duration Rice var. Swarna Shreya | 05             | 02        | 34.8        | 31.2  | 12         | 28000                               | 31160      | 2.11 |
|                                                          |                |           |             |       |            |                                     |            |      |
| More if any                                              |                |           |             |       |            |                                     |            |      |
| <b>Total</b>                                             | <b>50</b>      | <b>20</b> |             |       |            |                                     |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of different salt tolerant paddy varieties**

| Technology demonstrated<br>(Crops with varieties) | No. of farmers | Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|---------------------------------------------------|----------------|-----------|--------------|-------|------------|-------------------------------------|------------|-----|
|                                                   |                |           | Demo         | Local |            | Gross Cost                          | Net Return | BCR |
| Crop 1                                            |                |           |              |       |            |                                     |            |     |
| Crop 2                                            |                |           |              |       |            |                                     |            |     |
| Crop 3                                            |                |           |              |       |            |                                     |            |     |
| More if any                                       |                |           |              |       |            |                                     |            |     |
| Total                                             |                |           |              |       |            |                                     |            |     |

Enclosed 2/3 photos

**Table. Performance of different flood tolerant varieties**

| Technology demonstrated<br>(Crops with varieties) | No. of farmers | Area (ha) | Yield  |        | % increase | Economics of demonstration (Rs./ha) |            |      |
|---------------------------------------------------|----------------|-----------|--------|--------|------------|-------------------------------------|------------|------|
|                                                   |                |           | (q/ha) |        |            | Gross Cost                          | Net Return | BCR  |
|                                                   |                |           | Dem o  | Loca l |            |                                     |            |      |
| Flood tolerant medium var. Bina-11 in medium land | 25             | 10        | 32.4   | 28.2   | 14.8       | 28000                               | 27080      | 1.97 |
| Crop 2                                            |                |           |        |        |            |                                     |            |      |
| Crop 3                                            |                |           |        |        |            |                                     |            |      |
| More if any                                       |                |           |        |        |            |                                     |            |      |
| Total                                             | 25             | 10        |        |        |            |                                     |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of advancement of planting dates in different crops**

| Technology demonstrated                  | No. of farmers | Area (ha) | Yield (q/ha) |             | % increase  | Economics of demonstration (Rs./ha) |                |     |
|------------------------------------------|----------------|-----------|--------------|-------------|-------------|-------------------------------------|----------------|-----|
|                                          |                |           | Demo         | Local       |             | Gross Cost                          | Net Return     | BCR |
| Rice-( Pratikshya) Greengram (IPM 02-14) | 12             | 04        | 38.6<br>5.8  | 36.2<br>5.2 | 6.6<br>11.5 | 33000<br>14000                      | 32000<br>15000 | 2.0 |
| Crop 2                                   |                |           |              |             |             |                                     |                |     |
| Crop 3                                   |                |           |              |             |             |                                     |                |     |
| More if any                              |                |           |              |             |             |                                     |                |     |
| Total                                    | 12             | 04        |              |             |             |                                     |                |     |

Mention the variety and Enclosed 2/3 photos

**Table. Performances of water saving technologies**

| Technology demonstrated                         | No. of farmers | Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|-------------------------------------------------|----------------|-----------|--------------|-------|------------|-------------------------------------|------------|-----|
|                                                 |                |           | Demo         | Local |            | Gross Cost                          | Net Return | BCR |
| Water saving technology through SRI             |                |           |              |       |            |                                     |            |     |
| Aerobic Rice                                    |                |           |              |       |            |                                     |            |     |
| Direct seeded brown manured rice                |                |           |              |       |            |                                     |            |     |
| DSR                                             | 15             | 05        | 22.3         | 18.6  | 20         | 20000                               | 17910      | 1.9 |
| Sowing of rice / wheat / Maize with ZTD machine |                |           |              |       |            |                                     |            |     |
| Others if any                                   |                |           |              |       |            |                                     |            |     |
| <b>Total</b>                                    | 15             | 05        |              |       |            |                                     |            |     |

Mention the variety and Enclosed 2/3 photos

**Performance of Community nurseries**

| Technology demonstrated | No. of farmers | Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|-------------------------|----------------|-----------|--------------|-------|------------|-------------------------------------|------------|-----|
|                         |                |           | Demo         | Local |            | Gross Cost                          | Net Return | BCR |
| Crop 1                  |                |           |              |       |            |                                     |            |     |
| Crop 2                  |                |           |              |       |            |                                     |            |     |
| Crop 3                  |                |           |              |       |            |                                     |            |     |
| More if any             |                |           |              |       |            |                                     |            |     |
| <b>Total</b>            |                |           |              |       |            |                                     |            |     |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of different location specific intercropping systems**

| Technology demonstrated                  | No. of farmers | Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |      |
|------------------------------------------|----------------|-----------|--------------|-------|------------|-------------------------------------|------------|------|
|                                          |                |           | Demo         | Local |            | Gross Cost                          | Net Return | BCR  |
| Maize+ Cowpea intercropping in 2:2 ratio | 05             | 01        | 38.4<br>32.6 | 42.8  | 66         | 40000                               | 57880      | 2.45 |
| Crop 3 + Crop 4                          |                |           |              |       |            |                                     |            |      |
| More if any                              |                |           |              |       |            |                                     |            |      |
| <b>Total</b>                             | 05             | 01        |              |       |            |                                     |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of different crop diversification in NICRA villages**

| Technology demonstrated               | No. of farmers | Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |      |
|---------------------------------------|----------------|-----------|--------------|-------|------------|-------------------------------------|------------|------|
|                                       |                |           | Demo         | Local |            | Gross Cost                          | Net Return | BCR  |
| medium duration Pigeonpea var.PRG-176 | 20             | 08        | 10.8         | 8.3   | 30.1       | 30000                               | 24000      | 1.8  |
| Maize in Ridge & Furrows system       | 10             | 03        | 42.8         | 39.2  | 9.1        | 29000                               | 30920      | 2.07 |
| Crop 3                                |                |           |              |       |            |                                     |            |      |
| More if any                           |                |           |              |       |            |                                     |            |      |
| Total                                 | 30             | 11        |              |       |            |                                     |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of other demonstration under crop production module**

| Technology demonstrated                       | No. of farmers | Area (ha)   | Yield(q/ha)         |           | % increase | Economics of demonstration (Rs./ha) |            |      |
|-----------------------------------------------|----------------|-------------|---------------------|-----------|------------|-------------------------------------|------------|------|
|                                               |                |             | Demo                | Local     |            | Gross Cost                          | Net Return | BCR  |
| YMV tolerant Greengram var. IPM 02-14         | 50             | 20          | 6.2                 | 4.8       | 29.2       | 14000                               | 17000      | 2.2  |
| Short duration Blackgram var.-PU-31           | 30             | 12          | 5.6                 | 4.2       | 27.2       | 16000                               | 17600      | 2.1  |
| High value cash crop- Sweetcorn-Sugar-75      | 05             | 01          | Rs5/cob (40000cobs) | Rs.2/cob  | 150        | 75000                               | 125000     | 2.67 |
| Heat tolerant Tomato var. Chiranjibi          | 08             | 01          | 256                 | 218       | 17.4       | 105000                              | 99800      | 1.95 |
| Oyster mushroom cultivation for higher income | 10             | 10 units    | 1.6 kg/bed          | 1.2kg/bed | 33.3       | 30                                  | 34         | 2.13 |
| Total                                         | 103            | 34/10 units |                     |           |            |                                     |            |      |

Mention the variety and Enclosed 2/3 photos

### Module III : Livestocks and Fisheries

**Table. Performance of different fodder demonstration in community lands**

| Technology demonstrated | No. of farmers | Unit/ Area (ha) | Output (q/ha)    |                  | % increase | Economics of demonstration (Rs/ha) |            |      |
|-------------------------|----------------|-----------------|------------------|------------------|------------|------------------------------------|------------|------|
|                         |                |                 | Demo             | Local            |            | Gross Cost                         | Net Return | BCR  |
| Fodder 1                | 15             | 05 unit         | 2920 lt. milk/yr | 2628 lt. milk/yr | 11.1       | 45000                              | 42600      | 1.95 |
| Fodder 2                |                |                 |                  |                  |            |                                    |            |      |
| Total                   | 15             | 05 unit         |                  |                  |            |                                    |            |      |

Mention the variety and Enclosed 2/3 photos

**Table. Performance of improved fodder**

| Technology demonstrated | No. of farmers | Unit/ Area (ha) | Yield (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|-------------------------|----------------|-----------------|--------------|-------|------------|-------------------------------------|------------|-----|
|                         |                |                 | Demo         | Local |            | Gross Cost                          | Net Return | BCR |
| Fodder 1                |                |                 |              |       |            |                                     |            |     |
| Fodder 2                |                |                 |              |       |            |                                     |            |     |
| <b>Total</b>            |                |                 |              |       |            |                                     |            |     |

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**Table. Performance of various vaccination camps organized**

| Technology demonstrated                 | No. of farmers | Unit/ No./ Area (ha) | Measurable indicators of output* (q/ha) |                | % increase | Economics of demonstration (Rs./ha) |            |      |
|-----------------------------------------|----------------|----------------------|-----------------------------------------|----------------|------------|-------------------------------------|------------|------|
|                                         |                |                      | Demo                                    | Local          |            | Gross Cost                          | Net Return | BCR  |
| Vaccination camp against FMD Cattle     | 16             | 42 nos               | 949lt. milk/yr                          | 840lt. milk/yr | 13         | 15000                               | 13470      | 1.9  |
| Vaccination for PPR in goat             | 04             | 52 nos               | Body wt(90days) 6.6kg                   | 5.4kg          | 23         | 700                                 | 1280       | 2.8  |
| Deworming                               | 30             | 62nos                | 912lt. milk/yr                          | 840lt. milk/yr | 8.5        | 15000                               | 12300      | 1.82 |
| Mineral mixture                         | 10             | 20 nos               | 1131                                    | 985            | 14.8       | 16000                               | 17930      | 2.12 |
| Proper De-worming                       |                |                      |                                         |                |            |                                     |            |      |
| Vaccination camp against other diseases |                |                      |                                         |                |            |                                     |            |      |
| <b>Total</b>                            | 60             | 176 nos.             |                                         |                |            |                                     |            |      |

Enclosed 2/3 photo

**Table. Performance of composite and cat fish in the renovated ponds**

| Technology demonstrated                                                   | No. of farmers | Unit/ No. / Area (ha) | Measurable indicators of output* (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|---------------------------------------------------------------------------|----------------|-----------------------|-----------------------------------------|-------|------------|-------------------------------------|------------|-----|
|                                                                           |                |                       | Demo                                    | Local |            | Gross Cost                          | Net Return | BCR |
| Composite fish culture by stocking of yearlings of Catla, Rohu and Mrigal | 03             | 1.2                   | 38.4                                    | 24.9  | 19.7       | 190000                              | 232000     | 2.2 |
| Cat Fish 2                                                                |                |                       |                                         |       |            |                                     |            |     |
| More if any                                                               |                |                       |                                         |       |            |                                     |            |     |
| <b>Total</b>                                                              | 03             | 1.2                   |                                         |       |            |                                     |            |     |

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**Table. Performance of livestock demonstration in NICRA adopted villages**

| Technology demonstrated | No. of farmers | Unit/ No. / Area (ha) | Measurable indicators of output* (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |            |     |
|-------------------------|----------------|-----------------------|-----------------------------------------|-------|------------|-------------------------------------|------------|-----|
|                         |                |                       | Demo                                    | Local |            | Gross Cost                          | Net Return | BCR |
| Breed 1                 |                |                       |                                         |       |            |                                     |            |     |
| Breed 2                 |                |                       |                                         |       |            |                                     |            |     |
| If any more             |                |                       |                                         |       |            |                                     |            |     |
| Total                   |                |                       |                                         |       |            |                                     |            |     |

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**Table. Performance of improved shelters for poultry and dairy animals**

| Technology demonstrated                                                                          | No. of farmers | Unit/ No. / Area (ha) | Measurable indicators of output (q/ha) |       | % increase | Economics of demonstration (Rs./ha) |              |            |     |
|--------------------------------------------------------------------------------------------------|----------------|-----------------------|----------------------------------------|-------|------------|-------------------------------------|--------------|------------|-----|
|                                                                                                  |                |                       | Demo                                   | Local |            | Gross Cost                          | Gross Return | Net Return | BCR |
| Cement flooring, Straw thatched roof, with mosquito repellent net for better hygienic for cattle | 03             | 03 unit               | 1022                                   | 912   | 12         | 18000                               | 30660        | 12660      | 1.7 |
| Shelter 2                                                                                        |                |                       |                                        |       |            |                                     |              |            |     |
| <b>Total</b>                                                                                     | 03             | 03 unit               |                                        |       |            |                                     |              |            |     |

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**Module III: Institutional Intervention****Table. Details of the various institutional interventions**

| Interventions                                            | No. of KVKs | Details of activity                                                                                                 |                                       |                                                            | No. of farmers | Unit/ No. / Area (ha) |
|----------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------|----------------|-----------------------|
|                                                          |             | Name of crops / Commodity groups / Implements                                                                       | Quantity(q) / Number / Rent / Charges | Technology used in seed / fodder bank & function of groups |                |                       |
| Seed bank                                                | Ganjam-1    | Rice-Sahabhagidhan, Swarna Shreya                                                                                   | 23q                                   | Rogouing, drying                                           | 72             | 46ha                  |
| Fodder bank                                              |             |                                                                                                                     |                                       |                                                            |                |                       |
| Commodity groups                                         |             |                                                                                                                     |                                       |                                                            |                |                       |
| Custom hiring centre                                     |             | Power tiller, sprayer, reaper, diesel pump set, weeder, Thresher cum winnower, MB Plough, seed cum fertilizer drill |                                       |                                                            | 88             | 34ha                  |
| Collective marketing                                     |             |                                                                                                                     |                                       |                                                            |                |                       |
| Climate literacy through a village level weather station |             |                                                                                                                     |                                       |                                                            |                |                       |
| <b>Total</b>                                             |             |                                                                                                                     | 23q                                   |                                                            | 160            | 80                    |

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### Village Climate Risk Management Committee (VCRMC)

Monthly once VCRMC meeting have been conducted with all members. Various issue like Kharif & Rabi programme, Var., Pesticides, NRM activities & custom hiring centre were discussed & the resolutions have been recorded in the register. Weather advisory & crop advisory were also discussed & its impact has been reviewed by the members.

### Custom Hiring Centres:

Detail activities of CHC with fund generation during the year with Photographs of Farm implements and Machinery at NICRA Adopted villages

| Name of Implement         | Revenue generated(Rs.) |
|---------------------------|------------------------|
| M.B. plough               | 300                    |
| Power sprayer             | 300                    |
| Diesel Pump set           | 600                    |
| Power weeder              | 420                    |
| Sprinkler                 | 400                    |
| Power tiller              | 6000                   |
| Seed cum fertilizer drill | 360                    |
| Multi crop thresher       | 600                    |
| Reaper                    | 4800                   |
| Thresher cum winnower     | 840                    |
| <b>Total</b>              | <b>Rs. 14,620</b>      |

**Table. Revenue generated through Custom hiring Centres and VCRMC in KVKs**

| Name of KVK       | Revenue generated(Rs.)                |                   |
|-------------------|---------------------------------------|-------------------|
|                   | From Custom Hiring Centres (2019-20 ) | Total under VCRMC |
| Cooch Behar       |                                       |                   |
| Malda             |                                       |                   |
| South 24 Parganas |                                       |                   |
| Port Blair        |                                       |                   |
| Ganjam 1          | 14620                                 | -                 |
| Kalahandi         |                                       |                   |
| Kendrapara        |                                       |                   |
| Sonepur           |                                       |                   |
| Jharsuguda        |                                       |                   |
| <b>Total</b>      | <b>14620</b>                          |                   |

## Capacity Building

| Thematic area                                       | Topic of the training                                  | No. of Courses | No. of beneficiaries |        |       |
|-----------------------------------------------------|--------------------------------------------------------|----------------|----------------------|--------|-------|
|                                                     |                                                        |                | Male                 | Female | Total |
| Natural Resource Management                         |                                                        |                |                      |        |       |
| Crop Management                                     |                                                        |                |                      |        |       |
| Nutrient Management                                 |                                                        |                |                      |        |       |
| Integrated Crop Management                          |                                                        |                |                      |        |       |
| Crop Diversification                                |                                                        |                |                      |        |       |
| Resource conservation Technology                    | Vermicomposting, use of Bio-Fertilizer in diff. crop   |                | 14                   | 11     | 25    |
| Pest and disease management                         | Management of Pest & diseases in Rice                  |                | 16                   | 09     | 25    |
|                                                     | Management of Pest & diseases in Pulses                |                | 18                   | 07     | 25    |
| Nursery raising                                     | Nursery raising , Grafting techniques of veg. & fruits |                | 15                   | 10     | 25    |
| Employment Generation                               | Income generation activities                           |                | 0                    | 25     | 25    |
| Nutrition garden                                    |                                                        |                |                      |        |       |
| Repair & Maintenance of farm machinery & Implements |                                                        |                |                      |        |       |
| Integrated Farming System                           |                                                        |                |                      |        |       |
| Livestock and Fishery Management                    | Application of Floating feed in Pisciculture           |                | 17                   | 08     | 25    |
|                                                     |                                                        |                |                      |        |       |
| Fodder and feed management                          |                                                        |                |                      |        |       |
| Lac cultivation                                     |                                                        |                |                      |        |       |
| Farm implements and machineries                     |                                                        |                |                      |        |       |
| Value addition                                      |                                                        |                |                      |        |       |
| Employment generation                               |                                                        |                |                      |        |       |
| Others if any                                       |                                                        |                |                      |        |       |

**Enclosed 2/3 Photographs**

**Extension Activities**

| Name of the activity              | Number of Programmes | No. of beneficiaries |        |       |
|-----------------------------------|----------------------|----------------------|--------|-------|
|                                   |                      | Male                 | Female | Total |
| Agro advisory Services            | 13                   | 25                   | 09     | 34    |
| Awareness                         | 02                   | 41                   | 23     | 64    |
| Diagnostic visit                  | 14                   | 74                   | 32     | 106   |
| Exposure visits                   | 01                   | 20                   |        | 20    |
| Field Day                         | 03                   | 126                  | 24     | 150   |
| Group Discussion                  | 14                   | 88                   | 36     | 124   |
| Method demonstrations             | 04                   | 48                   | 16     | 64    |
| KMAS Services                     | 48                   | 84                   | 28     | 112   |
| Farmers day                       |                      |                      |        |       |
| SHG                               | 04                   |                      | 46     | 46    |
| Campaign                          |                      |                      |        |       |
| Popular extension literature      |                      |                      |        |       |
| Animal Health Camp                | 01                   | 19                   | 7      | 26    |
| World earth day                   |                      |                      |        |       |
| Krishak Chaupal                   |                      |                      |        |       |
| Kishan Gosthi                     |                      |                      |        |       |
| Woman health and nutrition        |                      |                      |        |       |
| Technology week                   |                      |                      |        |       |
| NICRA Workshop at ATARI, Kolkata  |                      |                      |        |       |
| Scientist visit to field          | 32                   | 194                  | 84     | 278   |
| NICRA workshop at CRIDA,Hyderabad | 01                   |                      |        |       |
| <b>Total</b>                      | 137                  | 719                  | 305    | 1024  |

Enclosed 2/3 photographs

**Table- SHC card distribution at NICRA adopted villages**

| KVK      | Year    | No of soil samples collected | No. of samples analysed | SHC issued | No of Farmers involved |
|----------|---------|------------------------------|-------------------------|------------|------------------------|
| Ganjam-1 | 2019-20 | 24                           | 24                      | 108        | 108                    |

Enclosed 2/3 Photographs

**Table: Convergence of Ongoing Development Programmes/Schemes in NICRA implementing KVKs**

| KVK             | Development Scheme /Programme          | Nature of work                         | Amount (Rs.) |
|-----------------|----------------------------------------|----------------------------------------|--------------|
| <b>Ganjam-1</b> | AICRP on Goat, OUAT                    | Goat improvement                       | 90000        |
|                 | Woman empowerment by CIWA, Bhubaneswar | Training exposure visit, Demonstration | 90000        |

Enclosed 2/3 Photographs

**Dignitaries visited NICRA Villages during 2019-20**

| Name of KVK     | Name of VIPs/Experts                                  | Date of visit     |
|-----------------|-------------------------------------------------------|-------------------|
| <b>Ganjam-1</b> | <b>Dr. B. N. Sadangi, Scientist CIWA, Bhubaneswar</b> | <b>09.08.2019</b> |
|                 | Dr.Dr.K.S. Das, Principal Scientist,ATARI, Kolkata    | 23.11.2019        |
|                 | <b>Prof. P.K Roul, DEE, OUAT, BBSR</b>                | <b>18.12.2019</b> |

Enclosed 2/3 Photographs

**Expenditure Statement of NICRA-TDC Budget during 2019-20**

| KVK               | FINAL RE      |       |       |        | Expenditure | Closing Balance 01.04.20 |
|-------------------|---------------|-------|-------|--------|-------------|--------------------------|
|                   | Contingencies | TA    | NRC   | Total  |             |                          |
| Coochbehar        |               |       |       |        |             |                          |
| Malda             |               |       |       |        |             |                          |
| South 24 Parganas |               |       |       |        |             |                          |
| Port Blair        |               |       |       |        |             |                          |
| Ganjam 1          | 750000        | 40000 | 41000 | 831000 | 831000      | Nil                      |
| Jharsuguda        |               |       |       |        |             |                          |
| Kalahandi         |               |       |       |        |             |                          |
| Kendrapara        |               |       |       |        |             |                          |
| Sonepur           |               |       |       |        |             |                          |

Sd/-  
Senior Scientist & Head  
KVK, Ganjam-1