

**ICAR – Central Research Institute for Dryland Agriculture**  
**Santoshnagar, Hyderabad – 500059**  
**Technology Demonstration Component of NICRA**

**Annual Report of TDC for the year 2025-26**

**Village:** Odiapali

**KVK and District :** KVK : Bolangir, Odisha

**State:** Odisha

**Table-1: Information about the NICRA villages and the focus of activities in these villages**

| Details of Villages                   | Village 1 |
|---------------------------------------|-----------|
| Name                                  | Odiapali  |
| Year adopted in NICRA                 | 2021      |
| *Demonstrations were taken up         | Yes       |
| *Scaling up of promising technologies | Yes       |

**Table-2: Summary of Interventions taken up during 2025**

| #Villages       | FST1                                      | FST2                                      | FST3                                      | FST4                                      |
|-----------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|-------------------------------------------|
|                 | No. of farmers involved in demonstrations | No. of farmers involved in demonstrations | No. of farmers involved in demonstrations | No. of farmers involved in demonstrations |
| <b>Odiapali</b> | 08                                        | 05                                        | 04                                        | 03                                        |
| <b>Total</b>    | 08                                        | 05                                        | 04                                        | 03                                        |

**Table-3: Natural Resource Management Interventions taken up in farming system typology during the year 2025-26 (in all the villages)**

| Resilient Practice            | No. of Demonstrations | Farmers Covered | Area Covered (ha) |
|-------------------------------|-----------------------|-----------------|-------------------|
| Green manuring with Dhanicha  | 20                    | 20              | 8                 |
| Direct seeded rice            | 5                     | 5               | 2                 |
| Bund plantation of pigeon pea | 30                    | 30              | 0.5               |

**Table-4: Crop Production Interventions taken up in farming system typology during the year 2025-26 (in all the villages)**

| Resilient Practice                        | No. of Demonstrations | Farmers Covered | Area Covered (ha) |
|-------------------------------------------|-----------------------|-----------------|-------------------|
| Stress tolerant rice variety Chandragiri  | 10                    | 10              | 5                 |
| Stress tolerant rice variety Mahendragiri | 06                    | 06              | 1.6               |

**Table-5: Livestock and Fisheries Interventions taken up in farming system typology during the year 2025-26 (in all the villages)**

| Resilient Practice                                | No. of Demonstrations | Farmers Covered | Animals Covered | Area Covered |
|---------------------------------------------------|-----------------------|-----------------|-----------------|--------------|
| Rearing of developed chick var Kaveri in backyard | 20                    | 20              | 300 chicks      | -            |

**Table-6: Impact of Climate Resilient Technologies (CRTs) in each Farming system typology (FST1\*, rainfed systems without animal) during 2025 (report impact of interventions for 3 farmers in each typology) \*Present for each village separately for all the typologies (village 1, 2)**

| Villages | Crop/Perennials | Technology adopted/demonstrated       | Area impacted by climatic stress, crop and stage | NICRA Area (ha) | NICRA Productivity (q/ha) | NICRA Net return (Rs./ha) | Non-NICRA Area (ha) | Non-NICRA Productivity (q/ha) | Non-NICRA Net return (Rs./ha) |
|----------|-----------------|---------------------------------------|--------------------------------------------------|-----------------|---------------------------|---------------------------|---------------------|-------------------------------|-------------------------------|
| Odiapali |                 |                                       |                                                  |                 |                           |                           |                     |                               |                               |
| Farmer1  | Crop based      | Stress tolerant rice var. Chandragiri | Drought during tillering                         | 1.0             | 35.4                      | 74382                     | 1.0                 | 27.3                          | 57456                         |
|          | NRM based       | Green manuring with Dhanicha          | Moisture stress                                  | 1.0             | 38.8                      | 81480                     | 1.0                 | 28.4                          | 59640                         |
|          | Total           |                                       |                                                  | 2.0             | 74.2                      | 155862                    | 2.0                 | 55.7                          | 117096                        |
| Farmer2  | Crop based      | Mahendragiri rice variety             | Drought stress                                   | 1.2             | 38.2                      | 80241                     | 1.2                 | 29.3                          | 61656                         |

|         |            |                                         |                              |     |      |        |     |      |        |
|---------|------------|-----------------------------------------|------------------------------|-----|------|--------|-----|------|--------|
|         | NRM based  | Bund plantation of pigeon pea           | Terminal drought             | 0.5 | 14.6 | 82200  | 0.5 | 11.2 | 59800  |
|         | Total      |                                         |                              | 1.7 | 52.8 | 162441 | 1.7 | 40.5 | 121456 |
| Farmer3 | Crop based | Climate resilient green gram var. Sikha | Heat stress during flowering | 0.8 | 9.4  | 42900  | 0.8 | 7.6  | 27900  |
|         | NRM based  | Direct seeded rice                      | Moisture stress              | 2.0 | 39.8 | 38330  | 2.0 | 34.5 | 27225  |
|         | Total      |                                         |                              | 2.8 | 49.2 | 84574  | 2.8 | 42.1 | 62628  |

**Table-7a: Impact of CRTs in each FST2\* (Farming system typology – Rainfed with animals) during 2025 (report impact of interventions for 3 farmers in each typology) \*Present for each village separately for all the typologies (village 1, 2)**

| Villages            | Crop/Perennials | Technology adopted/demonstrated       | Area impacted by climatic stress, crop and stage | NICRA Area (ha) | NICRA Productivity (q/ha) | NICRA Net return | Non-NICRA Area | Non-NICRA Productivity | Non-NICRA Net return |
|---------------------|-----------------|---------------------------------------|--------------------------------------------------|-----------------|---------------------------|------------------|----------------|------------------------|----------------------|
| #Village 1 Odiapali |                 |                                       |                                                  |                 |                           |                  |                |                        |                      |
| Farmer1             | Crop based      | Green manuring with Dhanicha          | Nutritional depletion in soil                    | 1.0             | 38.8                      | 81480            | 1.0            | 28.4                   | 59640                |
|                     | NRM based       | Bund plantation of pigeon pea         | Terminal drought                                 | 0.5             | 14.6                      | 82200            | 0.5            | 11.2                   | 59800                |
|                     | Animal based    | Kaveri in backyard                    | Heat stress                                      | 20 birds        | 0.615 kg wt gain          | 185/bird         | 20 birds       | 0.344 kg wt gain       | 103/bird             |
| Farmer2             | Crop based      | Green gram with foliar spray 18:18:18 | Heat stress                                      | 0.8             | 6.51                      | 50403            | 0.8            | 3.60                   | 27900                |
|                     | NRM based       | Green manuring                        | Terminal drought                                 | 0.5             | -                         | -                | 0.5            | -                      | -                    |

|         |              |                                       |                    |          |                 |          |          |                  |          |
|---------|--------------|---------------------------------------|--------------------|----------|-----------------|----------|----------|------------------|----------|
|         | Animal based | Bypass fat + mineral mixture in dairy | Nutritional stress | 1 cow    | 8.1 litre/day   | 310/day  | 1 cow    | 7.0 litre/day    | 210/day  |
| Farmer3 | Crop based   | Stress tolerant rice Swarna Shreya    | Drought            | 1.0      | 35.4            | 74382    | 1.0      | 27.3             | 57456    |
|         | NRM based    | Bund plantation of pigeon pea         | Terminal drought   | 0.5      | 14.6            | 82200    | 0.5      | 11.2             | 59800    |
|         | Animal based | Kaveri bird rearing                   | Heat & humidity    | 20 birds | 0.72 kg wt gain | 188/bird | 20 birds | 0.344 kg wt gain | 121/bird |

**Table-7b: Impact of CRTs in each FST2 (Farming system typology-----) during 2024 (report impact of interventions for 3 farmers) \*\*Present for each village separately for all the typologies (village 1, 2)**

| Animal  | No. | Technology adopted           | Production/year | Selling price | Gross returns | By products quantity | Unit price | Net returns |
|---------|-----|------------------------------|-----------------|---------------|---------------|----------------------|------------|-------------|
| Cow     | 10  | Bypass fat + mineral mixture | 8.1 litre/day   | 45/litre      | 310/day       | Dung                 | 2/kg       | 145/day     |
| Poultry | 20  | Kaveri bird                  | 0.72 kg wt gain | 320/kg        | 188/bird      | Litter               | 5/kg       | 90/bird     |

**Table-8a: Impact of CRTs in each FST3\* (Farming system typology- Irrigated without animal) during 2025 (report impact of interventions for 3 farmers in each typology) \*Present for each village separately for all the typologies (village 1, 2)**

| Villages            | Crop/ Perennials | Technology adopted/ demonstrated  | Area impacted by climatic stress, crop and stage | Irigated                        |                     |                     |                                     |                     |                     |
|---------------------|------------------|-----------------------------------|--------------------------------------------------|---------------------------------|---------------------|---------------------|-------------------------------------|---------------------|---------------------|
|                     |                  |                                   |                                                  | Kharif and rabi (NICRA farmers) |                     |                     | Kharif and rabi (non-NICRA farmers) |                     |                     |
|                     |                  |                                   |                                                  | Area (ha)                       | Productivity (q/ha) | Net return (Rs./ha) | Area (ha)                           | Productivity (q/ha) | Net return (Rs./ha) |
| #Village 1 Odiapali |                  |                                   |                                                  |                                 |                     |                     |                                     |                     |                     |
| Famer1              | Crop based       | Sprinkler irrigation in greengram | Moisture stress                                  | 0.8                             | 4.8                 | 41674               | 0.8                                 | 4.0                 | 34728               |
|                     | NRM based        | Vermicomposting                   | Organic carbon depletion                         | 14 units                        | 8 q/unit            | 12375               | 14 units                            | 5 q/unit            | 7000                |

|         |            |                                         |                               |     |       |        |     |       |        |
|---------|------------|-----------------------------------------|-------------------------------|-----|-------|--------|-----|-------|--------|
|         | Total      |                                         |                               |     |       |        |     |       |        |
| Farmer2 | Crop based | Heat tolerant Pusa Cabbage              | Heat stress                   | 0.2 | 84.13 | 276704 | 0.2 | 64.35 | 211712 |
|         | NRM based  | Bund plantation of pigeon pea           | Terminal drought              | 0.5 | 14.6  | 82200  | 0.5 | 11.2  | 59800  |
|         | Total      |                                         |                               |     |       |        |     |       |        |
| Famer3  | Crop based | Drip irrigation with mulching in tomato | Moisture stress               | 0.4 | 109   | 300000 | 0.4 | 100   | 150000 |
|         | NRM based  | Green manuring with Dhanicha            | Nutritional depletion in soil | 1.0 | 38.8  | 81480  | 1.0 | 28.4  | 59640  |
|         | Total      |                                         |                               |     |       |        |     |       |        |

**Table-9a: Impact of CRTs in each FST4\* (Farming system typology- Irrigated with animal) during 2025 (report impact of interventions for 3 farmers in each typology) \*Present for each village separately for all the typologies (village 1, 2)**

| Villages | Crop/<br>Perennials | Technology adopted/<br>demonstrated     | Area impacted by climatic stress, crop and stage | Irrigated                              |                     |                     |                                            |                     |                     |
|----------|---------------------|-----------------------------------------|--------------------------------------------------|----------------------------------------|---------------------|---------------------|--------------------------------------------|---------------------|---------------------|
|          |                     |                                         |                                                  | <i>Kharif and rabi (NICRA farmers)</i> |                     |                     | <i>Kharif and rabi (non-NICRA farmers)</i> |                     |                     |
|          |                     |                                         |                                                  | Area (ha)                              | Productivity (q/ha) | Net return (Rs./ha) | Area (ha)                                  | Productivity (q/ha) | Net return (Rs./ha) |
| Village1 |                     |                                         |                                                  |                                        |                     |                     |                                            |                     |                     |
| Famer1   | Crop based          | Drip irrigation with mulching in tomato | Water stress                                     | 0.4                                    | 109                 | 300000              | 0.4                                        | 100                 | 150000              |
|          | NRM based           | Farm pond with dyke plantation          | Moisture stress                                  | 0.2                                    | -                   | -                   | 0.2                                        | -                   | -                   |
|          | Animal based        | Bypass fat + mineral mix                | Nutritional stress                               | 1 cow                                  | 8.1 litre/day       | 310/day             | 1 cow                                      | 7 litre/day         | 210/day             |
|          | Total               |                                         |                                                  |                                        |                     |                     |                                            |                     |                     |
| Farmer2  | Crop based          |                                         |                                                  |                                        |                     |                     |                                            |                     |                     |
|          | NRM based           | Vermicomposting                         | Organic carbon depletion                         | 14 units                               | 8 q/unit            | 12375               | 14 units                                   | 5 q/unit            | 7000                |
|          | Animal based        | Kaveri bird                             | Heat & humidity                                  | 20 birds                               | 0.72 kg wt gain     | 188/bird            | 20 birds                                   | 0.344 kg wt gain    | 121/bird            |
|          | Total               |                                         |                                                  |                                        |                     |                     |                                            |                     |                     |
| Farmer3  | Crop based          | Arka Rakshak tomato                     | Moisture stress                                  | 0.4                                    | 120                 | 330000              | 0.4                                        | 100                 | 225000              |
|          | NRM based           | Green manuring                          | Nutritional depletion in soil                    | 0.5                                    | -                   | -                   | 0.5                                        | -                   | -                   |
|          | Animal based        | Kaveri bird                             | Heat stress                                      | 20 birds                               | 0.615 kg wt gain    | 185/bird            | 20 birds                                   | 0.344 kg wt gain    | 103/bird            |
|          | Total               |                                         |                                                  |                                        |                     |                     |                                            |                     |                     |

**Table-9b: Impact of CRTs in each FST4 (Farming system typology- Irrigated with animal) during 2025 (report impact of interventions for 3 farmers) \*\*Present for each village separately for all the typologies (village 1, 2)**

| <b>Animal (NICRA Farmer)</b> | <b>No.</b> | <b>Technology adopted/ demonstrated</b> | <b>Production/ year*</b> | <b>Selling price (Rs/unit)</b> | <b>Gross returns (Rs./animal)</b> | <b>By products quantity</b> | <b>Unit price (Rs.)</b> | <b>Net Returns (ha.)</b> |
|------------------------------|------------|-----------------------------------------|--------------------------|--------------------------------|-----------------------------------|-----------------------------|-------------------------|--------------------------|
| Poultry                      | 20         | Kaveri bird                             | 0.72 kg wt gain          | 320/kg                         | 188/bird                          | Litter                      | 5/kg                    | 90/bird                  |
| Cow                          | 10         | Bypass fat + Mineral mixture            | 8.1 litre/day            | 45/litre                       | 310/day                           | Dung                        | 2/kg                    | 145/day                  |

**Table-10: Performance of Custom Hiring Center during the year 2025-26**

| <b>Equipment in the custom hiring center as on 01.01.2022</b> | <b>Amount of rent obtained</b> | <b>Farmers covered</b> | <b>Area covered (ha)</b> |
|---------------------------------------------------------------|--------------------------------|------------------------|--------------------------|
| Power weeder with ridger                                      | 12000                          | 18                     | 9                        |
| Mini rice mill                                                | 8000                           | 15                     | -                        |
| Pumpset                                                       | 6000                           | 10                     | 6                        |
| Battery sprayer                                               | 5000                           | 12                     | 5                        |
| Paddy reaper                                                  | 15000                          | 20                     | 15                       |
| Power Tiller                                                  | 11000                          | 15                     | 20                       |
| Mini dal mill                                                 | 2000                           | 30                     | -                        |
| Paddy thresher                                                | 6000                           | 25                     | -                        |
| Multicrop seed cum fertilizer drill                           | 18000                          | 40                     | 30                       |

**Table-11: Performance of Seed Systems**

| <b>Crop &amp; variety</b> | <b>Seed produced (tons)</b> | <b>Farmers involved</b> | <b>Revenue obtained by farmer (Rupees)</b> |
|---------------------------|-----------------------------|-------------------------|--------------------------------------------|
| Nil                       | Nil                         | Nil                     | Nil                                        |

**Table-12: Performance of fodder systems during the year 2024-25**

| <b>Fodder crop &amp; variety</b> | <b>Fodder produced (tons)</b> | <b>Farmers involved</b> | <b>Area involved (ha)</b> | <b>Revenue obtained by farmer (Rupees)</b> |
|----------------------------------|-------------------------------|-------------------------|---------------------------|--------------------------------------------|
| Nil                              | Nil                           | Nil                     | Nil                       | Nil                                        |

**Table-13: Capacity Building (HRD) taken up during the year 2025-26**

| Title of the program                   | No. of training programmes | Number of beneficiaries |        |       | Date       |            |
|----------------------------------------|----------------------------|-------------------------|--------|-------|------------|------------|
|                                        |                            | Male                    | Female | Total | From       | To         |
| Preparation and use of Organic inputs  | 1                          | 26                      | 14     | 40    | 14.08.2025 | 18.08.2025 |
| Training on Tractor operated implement | 1                          | 19                      | 06     | 25    | 15.09.2025 | 15.09.2025 |
| Rearing of LIT birds in backyard       | 1                          | 20                      | 05     | 25    | 11.11.2025 | 12.11.2025 |

**Table-14: Other extension activities being taken up during the year 2025-26**

| Name of the activity                     | Details about the activity | Number of programmes | Time of the programme conducted (From--- to ---) | No. of beneficiaries |        | Remarks |
|------------------------------------------|----------------------------|----------------------|--------------------------------------------------|----------------------|--------|---------|
|                                          |                            |                      |                                                  | Male                 | Female |         |
| Soil Health management on World Soil day | Soil Health                | 1                    | 5.12.2025                                        | 18                   | 12     |         |

**Table-15: Summary of Upscaling of technologies takenup during the year 2025 and the amount mobilized through convergence from various departments**

| Village name | Technology scaling up/out | No. of farmers reached | Coverage (ha) / number | Convergence with the programme | Approx. amount mobilised |
|--------------|---------------------------|------------------------|------------------------|--------------------------------|--------------------------|
| NIL          |                           |                        |                        |                                |                          |

**Tanble-16: Extreme events, high intensity rains and dry spells, heat wave, cold wave, hail storms, etc. observed during 2025-26**

| Nature of event | *Quantify the event | When it has occurred (Date) | Impact on crop, animal, horticulture, fisheries, etc. |
|-----------------|---------------------|-----------------------------|-------------------------------------------------------|
| Heat wave       | More than 5 days    | April-May 2025              | Flower drop in pulses and vegetables                  |
| Moisture stress | 10-day dry spell    | Rabi 2025                   | Affected green gram sowing                            |

**Table-17: Distinguished visitors during the year 2025-26**

| Name of visitors | Date | Remarks |
|------------------|------|---------|
| NIL              |      |         |

**Table-18: Publications from the project**

| Description (nature of publication)                          | Citation of the publication |
|--------------------------------------------------------------|-----------------------------|
| -                                                            | -                           |
| One no. of video clip on different activity in NICRA village | -                           |

**Table-19: Adoption of successful interventions in the NICRA village & the adjoining villages**

| Successful interventions                       | Crop       | Variety       | Extent of adoption in the village in ha (2025) |
|------------------------------------------------|------------|---------------|------------------------------------------------|
| Stress tolerant                                | Rice       | Swarna Shreya | 50                                             |
| Foliar application of Water-soluble fertilizer | Green gram | Sikha         | 12                                             |

**Table-20: Popularization of Climate Resilient Varieties**

| Crop*      | Climate Resilient Varieties incorporated in the <i>Kharif</i> 2025 plan of the State Department | Approx. area brought under the variety by the state department during the <i>Kharif</i> 2025 (ha) | Climate Resilient Varieties incorporated in the <i>Rabi</i> 2025 plan of the State Department | Approx. area brought under the variety by the state department during the <i>Rabi</i> 2025 (ha) |
|------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Rice       | Chandragiri & Mahendragiri                                                                      | 50                                                                                                | -                                                                                             | -                                                                                               |
| Green gram | -                                                                                               | -                                                                                                 | Sikha                                                                                         | 12                                                                                              |

**Table-21: Rainfall characteristics for the year 2025-26**

| Month                                                                             |                                                 | June                  | July     | August  | September              | October       | November | December  | January   | Annual |
|-----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------|----------|---------|------------------------|---------------|----------|-----------|-----------|--------|
| Rainfall received in (mm)                                                         |                                                 | 157.4                 | 311.2    | 151.9   | 311.3                  | 115.2         | 0.3      | 0.0       | 0.0       | 1047.3 |
| No. of dry spells during <i>kharif</i> season 2025                                | >10days                                         | 0                     | 0        | 0       | 0                      | 0             | 1        | 1         | 1         | 3      |
|                                                                                   | >15days                                         | 0                     | 0        | 0       | 0                      | 0             | 1        | 1         | 1         | 3      |
|                                                                                   | >20days                                         | 0                     | 0        | 0       | 0                      | 0             | 1        | 1         | 1         | 3      |
| No. of intensive rain spells (2025)                                               | >60 mm per day                                  | 0                     | 0        | 0       | 0                      | 0             | 1        | 1         | 1         | 3      |
|                                                                                   | Waterlogging/Flooding observed (number of days) | 0                     | 0        | 0       | 0                      | 0             | 0        | 0         | 0         | 0      |
| Any other extreme events (Heat wave, Cold wave, frost) observed during the season |                                                 | Heat wave             | Nil      | Nil     | Nil                    | Nil           | Nil      | Cold wave | Cold wave | -      |
| Contingency measures adopted during the season                                    |                                                 | Moisture conservation | Mulching | Bunding | Life-saving irrigation | Farm pond use | -        | -         | -         | -      |

**Table-22: Day-wise rainfall distribution in the village during *kharif* 2025; Rainfall recorded at ..... mention the place (NICRA village/ KVK, block head quarters, etc. ....)**

|                  |           | Day |     |      |      |     |      |      |     |     |     |     |      |     |      |     |
|------------------|-----------|-----|-----|------|------|-----|------|------|-----|-----|-----|-----|------|-----|------|-----|
|                  |           | 1   | 2   | 3    | 4    | 5   | 6    | 7    | 8   | 9   | 10  | 11  | 12   | 13  | 14   | 15  |
| Rainfall<br>(mm) | June      | 1.7 | 0.0 | 1.2  | 0.0  | 2.4 | 0.2  | 0.0  | 2.0 | 0.6 | 2.5 | 0.9 | 1.6  | 2.8 | 0.0  | 5.1 |
|                  | July      | 2.1 | 8.5 | 34.0 | 7.6  | 8.3 | 22.5 | 17.9 | 8.9 | 6.1 | 9.7 | 7.5 | 3.4  | 0.8 | 3.6  | 5.4 |
|                  | August    | 1.8 | 0.5 | 1.2  | 0.6  | 1.7 | 0.0  | 2.0  | 9.7 | 1.0 | 3.4 | 2.1 | 0.8  | 5.9 | 10.1 | 9.0 |
|                  | September | 6.7 | 8.1 | 26.8 | 12.7 | 2.8 | 15.7 | 4.4  | 8.7 | 6.0 | 0.0 | 1.6 | 20.6 | 0.0 | 3.3  | 0.0 |
|                  | October   | 1.7 | 4.0 | 44.5 | 2.5  | 6.4 | 7.1  | 8.4  | 1.4 | 0.0 | 0.4 | 0.2 | 5.7  | 0.8 | 0.0  | 0.0 |
|                  | November  | 0.0 | 0.2 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | December  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | January   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | February  | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | March     | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | April     | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |
|                  | May       | 0.0 | 0.0 | 0.0  | 0.0  | 0.0 | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 |

|                  |           | Day  |      |     |      |     |      |     |      |      |      |      |      |      |      |      |     |
|------------------|-----------|------|------|-----|------|-----|------|-----|------|------|------|------|------|------|------|------|-----|
|                  |           | 16   | 17   | 18  | 19   | 20  | 21   | 22  | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | 31  |
| Rainfall<br>(mm) | June      | 7.2  | 2.9  | 5.3 | 13.0 | 6.3 | 0.1  | 0.1 | 1.8  | 12.1 | 1.5  | 42.7 | 11.8 | 4.9  | 21.9 | 4.8  |     |
|                  | July      | 6.1  | 6.5  | 1.1 | 1.5  | 5.8 | 12.5 | 0.5 | 9.2  | 17.9 | 14.0 | 46.0 | 6.6  | 3.1  | 4.9  | 29.2 | 0.1 |
|                  | August    | 19.7 | 4.8  | 2.8 | 16.4 | 2.1 | 6.1  | 6.9 | 21.7 | 1.5  | 0.2  | 0.3  | 0.2  | 3.9  | 6.5  | 0.0  | 9.1 |
|                  | September | 20.1 | 20.2 | 0.0 | 0.0  | 2.8 | 3.9  | 1.6 | 19.2 | 44.4 | 10.1 | 4.3  | 53.4 | 12.4 | 1.1  | 0.4  |     |
|                  | October   | 0.0  | 0.0  | 0.0 | 0.0  | 5.1 | 6.0  | 8.0 | 0.0  | 0.0  | 0.0  | 4.1  | 0.0  | 3.8  | 3.3  | 1.6  | 0.0 |
|                  | November  | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |     |
|                  | December  | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 |
|                  | January   | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 |
|                  | February  | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.1  | 0.4  | 0.0  | 0.0  | 0.0  |      |      |     |
|                  | March     | 0.0  | 0.0  | 1.1 | 3.4  | 0.0 | 0.6  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 4.6  | 0.0  | 0.0  | 0.7 |
|                  | April     | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0 |
|                  | May       | 0.0  | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.1  | 0.4  | 0.0  | 0.0  | 0.0  |      |      |     |

**Table-23: Impact of contingency measures taken up in the village (Relate the dry spells/floods/heat wave/cold wave/etc., with crops and their growth stages)**

| S. No | Dry spell (no. of days) | Duration (from --- to---) | Crop name                 | Crop stage affected     | Intervention taken up*                                  | Number of farmers involved | Impact on crop yields (q/ha) |                       |                                 |
|-------|-------------------------|---------------------------|---------------------------|-------------------------|---------------------------------------------------------|----------------------------|------------------------------|-----------------------|---------------------------------|
|       |                         |                           |                           |                         |                                                         |                            | Farmers' practice            | Demo                  | Increase over farmers' practice |
| 1     | 10 days                 | Rabi 2025                 | Greengram                 | Sowing to establishment | Sprinkler irrigation in greengram                       | 5                          | 4.0                          | 4.8                   | 20.0                            |
| 2     | Heat wave (>5 days)     | Apr-May 2025              | Backyard poultry (Kaveri) | Growth stage            | Heat-tolerant poultry breed Kaveri                      | 20                         | 0.344 kg wt gain/bird        | 0.615 kg wt gain/bird | 78.8                            |
| 3     | Moisture stress         | Kharif 2025               | Paddy                     | Tillering stage         | Stress-tolerant rice varieties Chandragiri/Mahendragiri | 16                         | 27.3                         | 35.4                  | 29.7                            |

\* List the interventions taken up for each crop

**Table-24: Details about agro advisories issued (Organization giving the forecast: Department of Meteorology, forecast is based on the district or the block: District, Organization giving the agromet advisory Department of Meteorology, HP); How the advisories are disseminated in the NICRA village: Through WhatsApp groups Agromet advisory Bulletins issued**

| Month                              | June | July | August | September | October | November | December | January |
|------------------------------------|------|------|--------|-----------|---------|----------|----------|---------|
| Number of agromet bulletins issued | 8    | 8    | 8      | 8         | 8       | 8        | 8        | 8       |
| Other advisories issued            | -    | 3    | 4      | 2         | -       | -        | 2        | -       |

#### How the advisories are disseminated and their reach

| Method                                      | Number of farmers reached during the year |
|---------------------------------------------|-------------------------------------------|
| Whatsup group (messaging system)            | 30                                        |
| Display on black boards, at panchayat, etc, | Display board                             |
| Any other method                            | Nil                                       |



**Green manuring through Dhanicha**



**Bund planting with pigeon pea**



**Direct seeded rice**



**Direct seeded rice**



**Field day of Mahendragiri**



**Awareness campaign**