

*PROGRESS REPORT*  
*2011-12*

**Krishi Vigyan Kendra Durg (C.G.)**  
**Indira Gandhi Krishi Vishwavidyalay Raipur**  
**ZONE VII ICAR Jabalpur**

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## Summary of Achievements 2011-12

| Activity  | Target( Numbers) |               | Achievement ( Numbers) |               |
|---|------------------|---------------|------------------------|---------------|
|   | Activity         | Beneficiaries | Activity               | Beneficiaries |
| Training- Extension Functionaries   | 08               | 200           | 06                     | 160           |
| Training-Farmers and farm women   | 60               | 1500          | 47                     | 1650          |
| Training-Rural youths   | 08               | 200           | 03                     | 110           |
| Front Line Demonstration – Oilseeds (activity in ha)                              | 10               | 24            | 10                     | 20            |
| Front Line Demonstration – Pulses (activityin ha)                                 | 10               | 25            | 05                     | 10            |
| Front Line Demonstration –<br>Other than Oilseed and pulse crops (activity in ha) | 15               | 35            | 27.8                   | 71            |
| On Farm Trials  | 06               | 24            | 06                     | 23            |
| Kisan Mobile Advisory (No. of messages & beneficiaries)                           | 104              | 21000         | 15                     | 7500          |
| Convergence programmes / Sponsored programmes                                     | 10               | -             | 10                     | 1125          |
| Extension Activities  | 100              | 3000          | 75                     | 1872          |
| Other Bio- products   | -                | -             | 2.0                    | -             |
| Outreach of KVK in the District<br>(No. of blocks, no. of villages)               | 12<br>blocks     | -             | 9 blocks               | 90 Villages   |
| Publication (Research papers, popular article)                                    | 05               | -             | 09                     | -             |
| SAC Meeting (Date & no. of core/official members)                                 | 01               | -             | 01 26.05.11)           | 17(members)   |
| Seed Production<br>(Number of activity as seeds in quintal)                       | 140              | -             | 110                    | -             |
| Soil sample tested  | 90               | 90            | 50                     | 50            |

**REPORTING PERIOD – April 2011 to March, 2012****Summary of achievements during the reporting period****1. GENERAL INFORMATION****1.1. Staff Position (as on date)**

| Sl. No. | Sanctioned Post       | Name of the incumbent   | Designation | Discipline                  | Pay Scale                | Pay Scale with present basic | Date of Joining in IGKV Services | Date of Joining On Present Post | Date of Joining at KVK Durg | Remark If any |
|---------|-----------------------|-------------------------|-------------|-----------------------------|--------------------------|------------------------------|----------------------------------|---------------------------------|-----------------------------|---------------|
| 1       | Programme Coordinator | Dr. R. U. Khan          | PC          | Genetics and Plant Breeding | 12000-18330              | 24930                        | 29-11-89                         | 27.03.2000                      | 06.08.09                    |               |
| 2       | SMS                   | Dr. (Smt) Neeta Khare * | SMS         | Home Science                | 15600-39100<br>GP 6000/- | 27710                        | 11-08-88                         | 01-04-03                        | 01-04-03                    |               |
| 3       | SMS                   | Vacant                  |             | Horticulture                |                          |                              |                                  |                                 |                             |               |
| 4       | SMS                   | Sh. Amol Gupta          | SMS         | Entomology                  | 8000-13500               | 12000                        | 03-04-03                         | 03-04-03                        | 28.07.07                    |               |
| 5       | SMS                   | Sh. C. R. Netam**       | SMS         | Agronomy                    | 15600-39100<br>GP 6000/- | 25050                        | 03-04-03                         | 23-04-05                        | 05-01-07                    |               |
| 6       | SMS                   | Dr. Asit Kumar          | SMS         | Agriculture Extension       | 8000-13500               | 13650                        | 09-04-08                         | 09-04-08                        | 08-12-10                    |               |
| 7       | SMS                   | Vacant                  | -           | Agriculture Engineering     | -                        | -                            | -                                | -                               | -                           |               |
| 8       | Farm Manager          | Sh. U.K. Patel          | FM          | Soil Science                | 5500-9000                | 8250                         | 20-02-08                         | 20-02-08                        | 20-02-08                    |               |
| 9       | Computer P.           | Vacant                  | -           | -                           | -                        | -                            | -                                | -                               | -                           | -             |
| 10      | P.A.                  | Sh. S. K. Thapak        | P A         | Plant Pathology             | 5500-9000                | 8775                         | 23-06-09                         | 23-06-09                        | 23-06-09                    |               |
| 11      | Stenographer          | Sh. U.K. Hishikar       | Asstt. Gr-1 |                             | 4500-7000                | 9000                         | 05-12-84                         | 05-01-08                        | 29-05-02                    |               |
| 12      | Stenographer          | Vacant                  |             |                             |                          |                              |                                  |                                 |                             |               |
| 13      | Driver                | Sh. Zaffaruddin Pathan  | Driver      |                             | 3500-5200                | 7500                         | 17-08-87                         | 17-08-87                        | 01-09-99                    |               |
| 14      | Driver                | Vacant                  |             |                             |                          |                              |                                  |                                 |                             |               |
| 15      | Supporting Staff      | Sh. B.L. Sen            | Mali/Helper |                             | 2750-4400                | 5385                         | 06-0-186                         | 06-0-186                        | 12-0897                     |               |
| 16      | Supporting Staff      | Sh. L. K. Chauhan       | Peon        |                             | 2610-3540                | 3535                         | 19-12-89                         | 19-12-89                        | 03-03-07                    |               |

**1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–**

**1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)**

| <b>KVK Name</b> | <b>Village Name</b> | <b>Year of adoption</b> | <b>Block Name</b> | <b>Distance from KVK</b> | <b>Population</b> | <b>Number of farmers (having land in the village)</b> |
|-----------------|---------------------|-------------------------|-------------------|--------------------------|-------------------|---|
| <b>Durg</b>     | <b>Basani</b>       | <b>2012</b>             | <b>Dhamdha</b>    | <b>35</b>                | <b>2000</b>       | <b>220</b>  |
| <b>Durg</b>     | <b>Khapparwadi</b>  | <b>Kodiya</b>           | <b>Durg</b>       | <b>15</b>                | <b>2500</b>       | <b>300</b>  |

**1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)**

| <b>KVK Name</b> | <b>THRUST AREA</b>                         |
|-----------------|--|
| <b>Durg</b>     | <b>Integrated crop management.</b>         |
| <b>Durg</b>     | <b>Productivity enhancement.</b>           |
| <b>Durg</b>     | <b>Crop diversification.</b>               |
| <b>Durg</b>     | <b>Integrated nutrient management.</b>     |
| <b>Durg</b>     | <b>Integrated weed management.</b>         |
| <b>Durg</b>     | <b>Integrated pest management.</b>         |
| <b>Durg</b>     | <b>Women empowerment</b>                   |
| <b>Durg</b>     | <b>Nursery management.</b>                 |
| <b>Durg</b>     | <b>Soil and water conservation.</b>        |
| <b>Durg</b>     | <b>Improved implements.</b>                |
| <b>Durg</b>     | <b>Nursery management in vegetables.</b>   |
| <b>Durg</b>     | <b>Utilization of animal drought power</b> |
| <b>Durg</b>     | <b>Advanced method of irrigation</b>       |
| <b>Durg</b>     | <b>Value addition</b>                      |

**1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)**

|      | <b>Problem identified</b>   | <b>Methods of problem identification</b>     |
|------|---|--|
| Durg | Low productivity of rice  | Through meeting and discussions with farmers |
| Durg | Low adoption of and lack of knowledge/ skills regarding improved package of practices for rice cultivation      |  |
| Durg | Lack of assured irrigation  |  |
| Durg | Timely non availability of agricultural input   |  |
| Durg | Poor mechanization  |  |
| Durg | Low Cropping Intensity  |  |
| Durg | Free \ open Grazing of cattle   |  |
| Durg | Low crop diversification  |  |
| Durg | Lack of improved animal husbandry practices   |  |
| Durg | Unavailability of feed and fodder for farm animals  |  |
| Durg | Lack of marketing infrastructure at block and village level.  |  |
| Durg | Unbalanced application of fertilizers   |  |
| Durg | Lack of knowledge regarding IWM,INM,IPM, IWRM practices.  |  |
| Durg | Lack of awareness about conservation of basic natural resources ,soil and water which are vital for agriculture |  |
| Durg | Poor inclination of farmers regarding value addition aspect.  |  |
| Durg | Poor entrepreneurship zeal among farmers  |  |
| Durg | Low productivity of rice  |  |
| Durg | Low adoption of and lack of knowledge/ skills regarding improved package of practices for rice cultivation      |  |
| Durg | Lack of assured irrigation  |  |
| Durg | Non-availability of agricultural inputs in time at village level  |  |
| Durg | Sub optimal Mechanization   |  |
| Durg | Low Cropping Intensity  |  |
| Durg | Free \ open Grazing of cattle   |  |

## 2. OFT (conducted during Rabi 2011-12 & Kharif 2011)

### 2.1 Basic information of the Technology taken by the KVK

| KVK Name | Year    | Season | Category of technology (Assessment/Refinement) | OFT on crop/Enterprise | Title of OFT  | OFT ID* (to be created by the KVK) | Name of Crop/Enterprise | No of trials |          | Area (ha) |          | Status of the OFT (Completed/Continued/Result awaited) |
|----------|---------|--------|--|------------------------|---|------------------------------------|-------------------------|--------------|----------|-----------|----------|--|
|          |         |        |  |                        |   |                                    |                         | Targeted     | Achieved | Targeted  | Achieved |  |
| Durg     | 2011-12 | Rabi   | Assessment                                     | Mustard                | Effect of fungicides against white rust of mustard                              | Durg 1112 R01                      | Mustard                 | 04           | 04       | 1.6       | 1.6      | Completed  |
| Durg     | 2011-12 | Rabi   | Assessment                                     | Enterprise             | Assessment of new efficacy of Bytical Pourn as ectoparasiticide agent on cattle | Durg1112R 02                       | Dairy farming           | 04           | 04       | -         | -        | Completed  |
| Durg     | 2011-12 | Kharif | Refinement                                     | Paddy                  | Chemical control of Blast disease Through fungicides                            | Durg1112K 01                       | Paddy                   | 04           | 04       | 1.6       | 1.6      | Completed  |
| Durg     | 2011-12 | Kharif | Assessment                                     | Paddy                  | Assessment of new variety of rice under direct seeding and rain fed conditions. | Durg1112K 02                       | Paddy                   | 04           | 04       | 1.6       | 1.6      | Completed  |
| Durg     | 2011-12 | Kharif | Assessment                                     | Paddy                  | Assessment of new variety of rice under   | Durg1112K 03                       | Paddy                   | 04           | 04       | 1.6       | 1.6      | Completed  |

|      |      |        |            |   |   |             |   |    |    |   |   |           |
|------|------|--------|------------|---|---|-------------|---|----|----|---|---|-----------|
|      |      |        |            |   | direct seeding and rain fed conditions.   |             |   |    |    |   |   |           |
| Durg | 2011 | Kharif | Assessment | - | Assessment of enhancement of nutritive value of grains and pulses in daily diet | Durg1112R02 | - | 03 | 03 | - | - | Completed |
|      |      |        |            |   |   |             |   |    |    |   |   |           |

\* KVK+Year+Season+Discipline & Code

## 2.2 Details of Problems taken as OFT by the KVK

| KVK name | OFT ID        | Problem diagnose                              | Thematic area                       | Farmers' practice (T1)             | Farming situation |            |  |                   | Total Area of the district (in ha ) affected by the problem | Name of the block(s) under KVK where the problem occurs |
|----------|---------------|---|-------------------------------------|------------------------------------|-------------------|------------|--|-------------------|---|---|
|          |               |   |                                     |                                    | Soil type         | Irrigation | Type of Cultivation (Low land/ Mid land/ Up land | Cropping system   |   |   |
| Durg     | Durg 1112 R01 | Yield reduction due to white rust             | Integrated Disease Management       | Control (no use of any fungicides) | Inceptisols       | Irrigated  | Midland  | Rice – mustard    | -   | Durg  |
| Durg     | Durg 1112R02  | Lack of knowledge about parasitic infestation | low productivity due to Health loss | No use of any ectoparasitic agent  | All situation     |            |  |                   |   | Durg  |
| Durg     | Durg1112K 01  | Yield reduction due to Blast disease          | Integrated Disease Management       | Control (no use of any             | Inceptisols       | Rainfed    | Low land   | Rice-wheat / gram | -   | Dhamdha   |

|      |               |  |   |                        |   |         |        |                 |   |             |
|------|---------------|--|---|------------------------|---|---------|--------|-----------------|---|-------------|
|      |               |  |   | fungicides)            |   |         |        |                 |   |             |
| Durg | Durg 1112K02  | Less yield   | New Variety<br>T1: Indira<br>Barani<br>Dhan-1 | Traditional<br>Variety |   | Rainfed | Upland | Rice-<br>Fallow |   | Gunderdhehi |
| Durg | Durg 1112K03  | Less yield   | New Variety<br>T1: RRF40<br>T2: RRF69         | Traditional<br>Variety |   | Rainfed | Upland | Rice-<br>Fallow |   | Gunderdhehi |
| Durg | Durg 1112 R02 | Poor health,<br>vitamin deficiency<br>and other health<br>hazards due to<br>unplanned food<br>selection. | Value<br>addition                             | Use as<br>cooked food  | - | -       | -      | -               | - | Durg        |

### 2.3 Details of solution taken for technology assessment/refinement by the KVK

| KVK Name | OFT ID No    | Details of technology selected (T2)  | Source of technology | Year of release of technology | If refinement in the technology, give details of refinement over recommended practices (T3) |
|----------|--------------|--|----------------------|-------------------------------|---|
| Durg     | Durg 1112R01 | Spray of Ridomil @ 1ml/lit in mustard crop   | IGKV Raipur          | 2005                          | -   |
| Durg     | Durg1112R02  | Bytical pouron (Flumethrin 1%) is poured on vertebral line from shoulder to last sacral vertebra | IGKV Raipur          | 2003                          | -   |
| Durg     | Durg1112K 01 | Spray of Tricyclazole @ 0.06%  | IGKV Raipur          | 2005                          | The technology requires refinement because of climatic factors affect the disease           |
| Durg     | Durg1112K 02 | New Variety  | IGKV Raipur          | 2011                          | The technology is proposed for FLD  |
| Durg     | Durg1112K 03 | New Variety  | IGKV Raipur          | 2011                          | The technology is proposed for FLD  |
| Durg     | -            | Incorporation of Sprouted pulse and gram in daily diet.  | ICMR                 |                               | -   |

## 2.4 Performance of the technology for assessment/refinement

### A. Production

| KVK Name | OFT ID        | Main Products  |                        |                           |                               | Bye- Product        |                        |                           |                               |
|----------|---------------|--|------------------------|---------------------------|-------------------------------|---------------------|------------------------|---------------------------|-------------------------------|
|          |               | Unit of measurement  | Farmer's Practice (T1) | Recommended Practice (T2) | Refined Practice, if any (T3) | Unit of Measurement | Farmer's Practice (T1) | Recommended Practice (T2) | Refined Practice, if any (T3) |
| Durg     | Durg 1112 R01 | Yield(q/ha)  | 9.72                   | 10.67                     |                               |                     |                        |                           |                               |
| Durg     | Durg 1112 R02 | %,Hb%, Kg  | -                      | -                         |                               |                     |                        |                           |                               |
| Durg     | Durg1112K 01  | Yield (q/ha)   | 26.57                  | 33.75                     |                               |                     |                        |                           |                               |
| Durg     | Durg1112K02   | Yield (q/ha)   | 18.00                  | 30.00                     |                               | Straw (q/ha)        | 23.00                  | 32.00                     |                               |
| Durg     | Durg1112K09   | Yield (q/ha)   | 21.50                  | 33.75                     | 32.5                          | Straw (q/ha)        | 25.20                  | 36.00                     | 34.50                         |
| Durg     | Durg 1112 R02 | % increase in nutrient content mainly protein and vitamins |                        |                           |                               |                     |                        |                           |                               |
|          |               |  |                        |                           |                               |                     |                        |                           |                               |

### B. Parameters

| KVK Name | OFT ID        | Observations taken on parameter 1 |                     |                        |                           |                               | Observations taken on parameter 1I |                     |                        |                           |                               |
|----------|---------------|-----------------------------------|---------------------|------------------------|---------------------------|-------------------------------|------------------------------------|---------------------|------------------------|---------------------------|-------------------------------|
|          |               | Parameter Name                    | Unit of measurement | Farmer's Practice (T1) | Recommended Practice (T2) | Refined Practice, if any (T3) | Parameter name                     | Unit of measurement | Farmer's Practice (T1) | Recommended Practice (T2) | Refined Practice, if any (T3) |
| Durg     | Durg 1112 R01 | PDI                               | %                   | 27.5                   | 24.5                      | -                             | Yield                              | q/ha.               | 9.72                   | 10.67                     | -                             |
| Durg     | Durg 1112 R02 | Infestation, Hb %,                | %, Hb%,             | 40%, 9.5%,             | 13.63 %, 10.2 %,          |                               | Body wt                            | Kg-                 | 273Kg                  | 275.8 Kg                  |                               |
| Durg     | Durg1112K 01  | PDI                               | %                   | 42.5                   | -                         | 31.25                         | Yield                              | q/ha.               | 26.57                  | -                         | 33.75                         |
| Durg     | Durg1112K 02  | PSQM                              | Number              | 105                    | 175                       |                               | Grains per panicle                 | Number              | 75                     | 86                        |                               |
| Durg     | Durg1112K 03  | PSQM                              | Number              | 115                    | 190                       | 185                           | Grains per panicle                 | Number              | 81                     | 93                        | 90                            |

|      |               |  |         |                |                 |   |   |      |                 |                |   |
|------|---------------|--|---------|----------------|-----------------|---|---|------|-----------------|----------------|---|
| Durg | Durg 1112 R02 | 1.% increase in protein content in Gram)   | g./mg % | 17.1 g./100 gm | 20.4 g. /100 g. |   | 2.% increase in vitamin content (Vitamin B) | Mg%  | 0.30 mg /100 g. | 0.46 mg/100 g. | - |
|      |               | 1.% increase in protein content in( Moong) | g./mg % | 24.0g. /100 g. | 26.6g./100 g.   | - | 2.% increase in vitamin content (Vitamin B) | Mg % | 0.52 mg/100 g.  | 0.98 mg/100 g. |   |

### C. Economic Performance

| KVK Name | OFT ID        | Average Cost of cultivation (Rs/ha) |         |                        | Average Gross Return (Rs/ha) |         |                        | Average Net Return (Rs/ha) |         |                         | Benefit-Cost Ratio (Gross Return / Gross Cost) |         |                        |
|----------|---------------|-------------------------------------|---------|------------------------|------------------------------|---------|------------------------|----------------------------|---------|-------------------------|--|---------|------------------------|
|          |               | Unit                                | FP (T1) | OFT Tech. (T2 and /T3) | Unit                         | FP (T1) | OFT Tech. (T2 and /T3) | Unit                       | FP (T1) | OFT Tech. (T2 and / T3) | Unit   | FP (T1) | OFT Tech. (T2 and /T3) |
| Durg     | Durg 1112 R01 |                                     |         |                        |                              |         |                        |                            |         |                         |  |         |                        |
| Durg     | Durg 1112 R02 | -                                   | -       | -                      | -                            | -       | -                      | -                          | -       | -                       | -  | -       | -                      |
| Durg     | Durg1112K 01  |                                     |         |                        |                              |         |                        |                            |         |                         |  |         |                        |
| Durg     | Durg1112K 02  | Rs./ha.                             | 12500   | 13800                  | Rs./ha                       | 20720   | 34600                  | Rs./ha                     | 8220    | 20800                   | Ratio  | 1.67    | 2.51                   |
| Durg     | Durg1112K 03  | Rs./ha.                             | 12500   | 13800                  | Rs./ha                       | 24725   | T2= 38700              | Rs./ha                     | 12225   | 24900                   | Ratio  | 1.98    | 2.84                   |
|          |               |                                     |         |                        |                              |         | T3= 37475              |                            |         | Rs./ha                  |  |         |                        |
|          |               |                                     |         |                        |                              |         |                        |                            |         |                         |  |         |                        |

### 2.5 Recommendations/message form assessed/refined technology

| KVK Name | OFT ID No   | Final recommendation for micro level situation           | Constraints Identified and feedback for research | Process of farmers participation and their reaction | Farmers Feed back                 | Process for sensitization of the line departments for replacement of the technology |           |        |              |
|----------|-------------|--|--|---|-----------------------------------|---|-----------|--------|--------------|
|          |             |  |  |   |                                   | Workshop/ meetings  | Trainings | Visits | Publications |
| Durg     | Durg1112R01 | This fungicides is more effective & gave more yield than | -  | Farmers agreed with this                            | The fungicides is more costly but | -   | 1         | 03     | -            |

|             |                      |  |   |   |                                  |   |           |           |   |
|-------------|----------------------|--|---|---|----------------------------------|---|-----------|-----------|---|
|             |                      | <b>FP</b>  |   | <b>fungicides</b>                             | <b>performance is better</b>     |   |           |           |   |
| <b>Durg</b> | <b>Durg 1112 R02</b> | <b>Easy to use and effective</b>   | <b>No parasite in skin scrapping found after treatment and increase in Hb %</b> | <b>No skill is required for the treatment</b> | <b>Easy to use and effective</b> | - | -         | -         | - |
| <b>Durg</b> | <b>Durg1112K01</b>   | <b>This fungicides is more effective &amp; gave more yield than FP</b>               | -   | <b>Farmers agreed with this fungicides</b>    | -                                | - | <b>2</b>  | <b>04</b> | - |
| <b>Durg</b> | <b>Durg1112K02</b>   | <b>This Variety is recommended for FLD</b>   | <b>Lodging at maturity under rich environment and SRI method</b>                | <b>Farmers agreed with this technology</b>    |                                  |   | <b>3</b>  | <b>06</b> |   |
| <b>Durg</b> | <b>Durg1112K03</b>   | <b>Refinement under varying conditions viz. Soil type, date of sowing etc.</b>       |   | <b>Farmers agreed with this technology</b>    |                                  |   | <b>3</b>  | <b>06</b> |   |
| <b>Durg</b> | -                    | <b>This method is useful to enrich the diet in protein and vitamin availability.</b> | -   | <b>Farm women appreciated this practice</b>   |                                  |   | <b>01</b> | <b>01</b> |   |
| <b>Durg</b> |                      |  |   |   |                                  |   |           |           |   |

## 2.6 Farmer-wise performance of the technology for assessment/refinement

| KVK Name | OFT ID No   | Farmers' name    | Main Product (kg/ha) |      |             | By-Product (kg/ha) |                    |              | Observations on Other Parameter |              |              |              |      | Observations on Other Parameter |      |     |     |    |
|----------|-------------|------------------|----------------------|------|-------------|--------------------|--------------------|--------------|---------------------------------|--------------|--------------|--------------|------|---------------------------------|------|-----|-----|----|
|          |             |                  | T1                   | T2   | T3          | T1                 | T2                 | T3           | Parameter name                  | Unit         | T1           | T2           | T3   | Parameter name                  | Unit | T1  | T2  | T3 |
| Durg     | Durg1112R01 | Nado             | 820                  | 920  | -           | -                  | -                  | -            | PDI                             | %            | 35.0         | 30.0         | -    | -                               | -    | -   | -   | -  |
|          |             | Uttama           | 1100                 | 1190 | -           | -                  | -                  | -            | PDI                             | %            | 20.0         | 18.0         | -    | -                               | -    | -   | -   | -  |
|          |             | Ashok            | 1080                 | 1100 | -           | -                  | -                  | -            | PDI                             | %            | 25.0         | 25.0         | -    | -                               | -    | -   | -   | -  |
|          |             | Sitaram          | 890                  | 1060 | -           | -                  | -                  | -            | PDI                             | %            | 30.0         | 25.0         | -    | -                               | -    | -   | -   | -  |
| Durg     | Durg1112R02 | Jeevan lal       |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 50%<br>10%   | 25%<br>11%   |      | Body weight.                    | kg   | 320 | 322 |    |
|          |             | Manthilal Nishad |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 25%<br>10%   | 25%<br>10%   |      | Body weight.                    | kg   | 311 | 310 |    |
|          |             |                  | Infestation, Hb %,   | %    | 25%<br>9.5% | 25%<br>10%         |                    | Body weight. | kg                              | 350          | 350          |              |      |                                 |      |     |     |    |
|          |             | maniram          |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 100%<br>8.5% | 25%<br>10.5% |      | Body weight.                    | kg   | 219 | 225 |    |
|          |             |                  | Infestation, Hb %,   | %    | 75%<br>09 % | 00%<br>10.5%       |                    | Body weight. | kg                              | 200          | 208          |              |      |                                 |      |     |     |    |
|          |             | Jagatu ram       |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 50%<br>9 %   | 00%<br>10%   |      | Body weight.                    | kg   | 190 | 194 |    |
|          |             | Teej Ram         |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 50%<br>10%   | 25%<br>10.5% |      | Body weight.                    | kg   | 332 | 332 |    |
|          |             | Gwal Ram         |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 25%<br>10%   | 00%<br>11%   |      | Body weight.                    | kg   | 325 | 327 |    |
|          |             | Babulal          |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 50%<br>9 %   | 25%<br>10%   |      | Body weight.                    | kg   | 221 | 224 |    |
|          |             | mansingh         |                      |      |             |                    |                    |              | Infestation, Hb %,              | %            | 50%<br>9.5%  | 00%<br>9.5%  |      | Body weight.                    | kg   | 205 | 206 |    |
| Ramjee   |             |                  |                      |      |             |                    | Infestation, Hb %, | %            | 50%<br>10.5%                    | 00%<br>10.5% |              | Body weight. | kg   | 338                             | 336  |     |     |    |
| Durg     | Durg1112K01 | Mannu lal        | 2230                 | 2760 | -           | -                  | -                  | -            | PDI                             | %            | 55.0         | -            | 40.0 | -                               | -    | -   | -   |    |
| Durg     | Durg1112K01 | Triambak         | 2800                 | 3650 | -           | -                  | -                  | -            | PDI                             | %            | 40.0         | -            | 30.0 | -                               | -    | -   | -   |    |
| Durg     | Durg1112K01 | Hemant           | 2620                 | 3190 | -           | -                  | -                  | -            | PDI                             | %            | 40.0         | -            | 35.0 | -                               | -    | -   | -   |    |
| Durg     | Durg1112K01 | Radheshyam       | 2980                 | 3900 | -           | -                  | -                  | -            | PDI                             | %            | 35.0         | -            | 20.0 | -                               | -    | -   | -   |    |
| Durg     | Durg1112K02 | Tikeswar Patel   | 3500                 |      |             |                    |                    |              |                                 |              |              |              |      |                                 |      |     |     |    |
| Durg     | Durg1112K02 | Dhal Singh       | 3000                 |      |             |                    |                    |              |                                 |              |              |              |      |                                 |      |     |     |    |



**3. Achievements of Frontline Demonstrations (conducted during Rabi 2011-12 & Kharif 2011) (On the basis of Soil Test based fertilizer application for Acceptability of your results)**

**3.1. Follow-up for results of FLDs implemented during previous years**

**List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district**

| KVK Name | Crop/ Enterprise                | Thematic Area  | Technology demonstrated   | Details of popularization methods suggested to the Extension system                 | Horizontal spread of technology |                |            |
|----------|---------------------------------|--|---|---|---------------------------------|----------------|------------|
|          |                                 |  |   |   | No. of villages                 | No. of farmers | Area in ha |
| Durg     | Soybean, Arhar, Gram, Sunflower | Productivity enhancement of field crops & crop diversification | Improved variety, line sowing, balanced fertilizer                  | Through trainings, demonstration, extension literature & other extension activities | 7                               | 300-350        | 450-550    |
| Durg     | Rice , Wheat                    | Integrated Crop management, INM/Farm Machinery                 | Improved variety/ method of transplanting, Improved farm implements | Through trainings, demonstration, extension literature & other extension activities | 12                              | 3050           | 4580       |
| Durg     | Vegetables (Okra, Brinjal)      | Production and management                                      | Improved Variety(YVMV resistant)/Nursery Management/Kitchen garden  | Trainings, demonstration, Literatures   | 04                              | 380            | 375        |
| Durg     | Gram                            | Integrated disease management                                  | Seed treatment  | Seed treatment with <i>Trichoderma</i> @ 6.0g/kg of seed                            | 01                              | 12             | 5.0        |

### 3.2 Details of FLDs implemented

| KVK Name | Type (Crop/Enterprise) | Name of Crop/Enterprise | Category of crops* | Category of Enterprise* | Season and year | Thematic area                                   | Area (ha) in case of crop | No. of Units, in case of Enterprise | Size of Unit in case of Enterprise | No. of farmers |    |    |        |       |
|----------|------------------------|-------------------------|--------------------|-------------------------|-----------------|---|---------------------------|-------------------------------------|------------------------------------|----------------|----|----|--------|-------|
|          |                        |                         |                    |                         |                 |   |                           |                                     |                                    | SC             | ST | OB | Others | Total |
| Durg     | Crop                   | Wheat                   | Cereal             | -                       | Rabi 2011-10    | Integrated disease management                   | 5.0                       | -                                   | -                                  | -              | -  | 16 | -      | 16    |
| Durg     | Crop                   | Wheat                   | Cereals            | -                       | Rabi 2011-12    | Productivity enhancement                        | 4.0                       |                                     |                                    | 02             |    | 08 |        | 10    |
| Durg     | Crop                   | Mustard                 | Oilseed            |                         | Rabi 2011-12    | Productivity enhancement , Crop diversification | 4.0                       |                                     |                                    | 01             | -  | 4  | -      | 05    |
| Durg     | Crop                   | Safflower               | Oilseed            | -                       | Rabi 2011-12    | Productivity enhancement , Crop diversification | 4.0                       | -                                   | -                                  |                |    | 05 | -      | 05    |
| Durg     | Crop                   | Rice                    | Cereal             | -                       | Khari f - 2011  | Integrated disease management                   | 1.6                       | -                                   | -                                  | -              | -  | 08 | -      | 08    |
| Durg     | Crop                   | Rice                    | Cereal             | -                       | Khari f - 2011  |   | 2.8                       | -                                   | -                                  | -              | -  | 07 | -      | 07    |
| Durg     | Crop                   | Soybean                 | Oilseed            | -                       | Khari f 2010    | PPM   | 4.0                       | -                                   | -                                  | -              | -  | 10 | -      | 10    |

|      |      |       |        |   |              |   |     |   |   |   |    |    |    |    |
|------|------|-------|--------|---|--------------|---|-----|---|---|---|----|----|----|----|
| Durg | Crop | Arhar | Pulse  | - | Khari f 2011 | Productivity enhancement                | 4.0 | - | - | - | -- | 8  | 2  | 10 |
| Durg | Crop | Rice  | Cereal | - | Khari f 2011 | Productivity enhancement of field crops | 4.4 | - | - | - | -  | 08 | 01 | 09 |
|      |      |       |        |   |              |   |     |   |   |   |    |    |    |    |

\* Cereal/Oilseed/Pulse/Vegetable/Fruit/Flower/Spice/Medicinal&Aromatic/Fibre/Plantation/Fodder/

\*\* Farm Implements/ Livestock Enterprises (Dairy/Buffalo/Goatery/Poultry etc.)/Mushroom/Apiary/Sericulture/Vermi-composting/Lac production etc.

### 3.3 Details of farming situation

| KVK Name | Name of Crop/ Enterprise | Farming situation (Rainfed/Irrigated) | Soil type       | Type of Cultivation (Low land/ Mid land/ Up land) | Cropping system         | Previous crops | Status of soil (kg/ha) |   |   | Sowing Time  | Harvest date | Seasonal rainfall (mm) | No. of rainy days | Status of the FLD (Completed/ Continued / Result awaited) |
|----------|--------------------------|---------------------------------------|-----------------|---|-------------------------|----------------|------------------------|---|---|--------------|--------------|------------------------|-------------------|---|
|          |                          |                                       |                 |   |                         |                | N                      | P | K |              |              |                        |                   |   |
| Durg     | Wheat                    | Irrigated                             | Kanhar          | Lowland   | Rice-Wheat              | Rice           | M                      | M | H | 15-20/12/11  | 27-31/03/12  | -                      | -                 | Completed   |
| Durg     | Wheat                    | Irrigated                             | Kanhar          | Lowland   | Rice-Wheat              | Rice           | M                      | H | H | 18/11/11     | 7/4/11       |                        |                   | Completed   |
| Durg     | Mustard                  | Irrigated                             | Inceptisols     | Lowland   | Rice-Gram/wheat/mustard | rice           | Low                    | M | M | Nov 23/11/11 | 02/0/4/12    |                        |                   | Completed   |
| Durg     | Safflower                | Irrigated                             | Kanhar          | Lowland   | Rice-Safflower/Wheat    | Rice           | M                      | M | H | 25/11/09     |              |                        |                   | Awaited   |
| Durg     | Soybean                  | Rainfed                               | Kanhar (bharri) | Upland  | Soybean-Gram/Wheat      | Gram           | M                      | M | M | 01/07/11 to  |              |                        |                   | Completed   |

|      |       |           |                 |         |                 |       |     |        |      |                       |                   |   |   |           |
|------|-------|-----------|-----------------|---------|-----------------|-------|-----|--------|------|-----------------------|-------------------|---|---|-----------|
|      |       |           |                 |         |                 |       |     |        |      | 05/07/11              |                   |   |   |           |
| Durg | Arhar | Rainfed   | Kanhar (bharri) | Upland  | Arhar-Wheat     | Wheat | M   | M      | H    | 7/07/2011 to 15/07/11 | 4/1/12 to 10/1/12 |   |   | Completed |
| Durg | Rice  | Irrigated | Kanhar          | Midland | Rice-Wheat      | wheat | Low | Medium | High | 25/6/11               | 15/11/11          | - | - | Completed |
| Durg | Rice  | Rainfed   | Inceptisols     | Lowland | Rice- Gram      | Gram  | M   | M      | H    | 26-30/06/11           | 15-20/11/11       | - | - | Completed |
| Durg | Rice  | Rainfed   | Kanhar          | Lowland | Rice-Gram/wheat | Wheat | M   | M      | H    | 28/06/11 to 05/07/11  | 22/11/11          |   |   | Completed |

### 3.4 Details of Technology demonstrated

| KVK Name | Name of Crop/ Enterprise | Problem Identified                | Detail of Farmers practice (Local Check) | Name of Technology | Detail of the technology demonstrated       | Source and year of technology released | Thematic Area | Name of Variety Used  | Characteristic of the variety | Source of variety and year of release | Whether assessed under OFT or not |
|----------|--------------------------|-----------------------------------|--|--------------------|---|--|---------------|-----------------------|-------------------------------|---------------------------------------|-----------------------------------|
| Durg     | Wheat                    | Yield reduction due to loose smut | No use of seed treatment practices       | Seed treatment     | Seed treatment with Vitavax @ 2g/kg of seed | IGKV                                   | IDM           | Fungicide-Oxycarboxin | -                             | IGKV' 2005                            | Yes                               |
| Durg     | Wheat                    | Low Yield                         | Use of local varieties tradition         | Improved Variety   | Use of high yielding variety with full      |  |               | GW 366                |                               |                                       | No                                |

|      |           |  | al system                                   |  | package  |                      |   |                     |                               |              |    |
|------|-----------|--|---|--|--|----------------------|---|---------------------|-------------------------------|--------------|----|
| Durg | Rice      | High drudgery and much time required for harvesting of paddy which is mostly done by farm women. | Use of deshi sickle for harvesting of paddy | Use of improved agricultural implements for paddy harvesting | Use of serreted sickle for harvesting of Paddy | IGKV                 | AEG   | Hybrid Kribhco Sona | -                             | -            | no |
| Durg | Mustard   | less cropped area as well as productivity  | Use of local varieties traditional system   | Variety and improved technology                              | Use of high yielding variety with full package | IARI                 | Productivity enhancement Crop diversification | Pusa Bold           | Bold grain                    | IARI         | No |
| Durg | Safflower | less cropped area as well as productivity  | Use of local varieties traditional system   | Variety and improved technology                              | Use of high yielding variety with full package | JNKV                 | Productivity enhancement Crop diversification | JSF-1               |                               | JNKV         | No |
| Durg | Brinjal   | Low yield  | Use of local variety                        | Improved variety, Seed treatment                             | Improved variety                               | G.B.Pant Univ., IGKV | Productivity enhancement.                     | Pant Rituraj        | Very high yielding, 300 q/ha. | Pant Rituraj | No |
| Durg | Soybean   | Yield Loss due to  | No use of 19nsectic                         | Use of insecticide   | Spray of Chloropyri                            | J.N.K.V.             | PPM   | JS, 335             | Duration: 95-100 days,        | JNKVV, 2003  |    |

|             |              |   |                                      |                                       |   |                      |                                  |                            |   |                      |            |
|-------------|--------------|---|--------------------------------------|---------------------------------------|---|----------------------|----------------------------------|----------------------------|---|----------------------|------------|
|             |              | <b>insect attack and lack of proper PPM</b>         | <b>ide</b>                           |                                       | <b>phos @ 1lit/hect for fruit borer</b>                                 |                      |                                  |                            | <b>potential yield: 15-22 q/ha</b>  |                      |            |
| <b>Durg</b> | <b>Arhar</b> | <b>Low productivity due to use of old varieties</b> | <b>Old variety</b>                   | <b>Improved seed/var, line sowing</b> | <b>Improved variety Laxmi+line sowing</b>                               | <b>ICRISAT, 2001</b> | <b>Productivity enhancement.</b> | <b>Laxmi</b>               | <b>wilt resistant, duration: 180- 200 days, potential yield: 15-18 q/ha</b> | <b>ICRISAT, 2001</b> |            |
| <b>Durg</b> | <b>Rice</b>  | <b>Low productivity due to use of old varieties</b> | <b>Old variety</b>                   | <b>Variety</b>                        | <b>Use of high yielding variety</b>                                     | <b>IGKV,0000</b>     | <b>Productivity enhancement</b>  | <b>Karma Masuri</b>        | <b>Dwarf, large size grain, potential yield 50q/ha</b>                      | <b>IGKV,0000</b>     | <b>No</b>  |
| <b>Durg</b> | <b>Rice</b>  | <b>Yield reduction due to Sheath blight disease</b> | <b>No use of effective fungicide</b> | <b>Use of effective fungicide</b>     | <b>Seed treat with 17% salt solution+ spray of Propiconazole @ 0.1%</b> | <b>IGKV, 2005</b>    | <b>IDM</b>                       | <b>MTU1010</b>             | <b>-</b>  | <b>IGKV, 2005</b>    | <b>Yes</b> |
| <b>Durg</b> | <b>Rice</b>  | <b>Low yield due to use old varieties</b>           | <b>Old variety</b>                   | <b>Hybrid</b>                         | <b>Use of hybrid with full package</b>                                  |                      |                                  | <b>Hybrid Kribhco Sona</b> |   |                      | <b>No</b>  |

### 3.5 Performance of FLD

#### A. Production

| 1    | Name of Crop/Enterprise | Thematic Area                                  | Variety             | No. of Farmers | Area (ha) | Production (q/ha) |       |         | Local Check | Increase in yield (%) |
|------|-------------------------|--|---------------------|----------------|-----------|-------------------|-------|---------|-------------|-----------------------|
|      |                         |  |                     |                |           | Demonstration     |       |         |             |                       |
|      |                         |  |                     |                |           | Maxi              | Min   | Average |             |                       |
| 2    | 3                       | 4  | 5                   | 6              | 7         | 8                 | 9     | 10      | 11          |                       |
| Durg | Wheat                   | Integrated disease management                  | Nirbhay             | 16             | 5.0       | 18.0              | 9.2   | 13.6    | 10.36       | 29.34                 |
| Durg | Wheat                   | Productivity enhancement                       | GW 366, GW273       | 26             | 10        | 25                | 22    | 23.5    | 20.0        |                       |
| Durg | Mustard                 | Productivity enhancement, Crop diversification | Pusa Bold           | 05             | 4.0       | 9.0               | 5.0   | 7       | 4.2         | 40%                   |
| Durg | Safflower               | Productivity enhancement, Crop diversification | JSF-1               | 05             | 4.0       | Result awaited    |       |         |             |                       |
| Durg | Soybean                 | PPM  | JS 335              | 10             | 4.0       | 17.5              | 10.62 | 14.37   | 11.25       | 28%                   |
| Durg | Arhar                   | Productivity enhancement                       | Laxmi               | 10             | 4.0       | 12.5              | 7.5   | 10      | 6.25        | 37.5%                 |
| Durg | Rice                    | Productivity enhancement                       | Karma Masuri        | 09             | 4.4       | 45                | 37.5  | 42      | 28          |                       |
| Durg | Rice                    | Integrated disease management                  | MTU1010             | 08             | 1.6       | 28.5              | 18.0  | 23.25   | 23.05       | 3.29                  |
| Durg | Rice                    | Productivity enhancement                       | Hybrid Kribhco Sona | 07             | 2.8       | 45                | 40    | 42.5    | 29          |                       |

**B. Other Parameters (continuation of previous table)**

| KVK Name | Name of Crop/Enterprise | Data on parameter in relation to technology demonstrated |              |                |                  | Data on parameter in relation to technology demonstrated |                              |       |             | Data on parameter in relation to technology demonstrated |      |       |             |
|----------|-------------------------|--|--------------|----------------|------------------|--|------------------------------|-------|-------------|--|------|-------|-------------|
|          |                         | Name of parameter  | Unit         | Demo           | Local Check      | Name of parameter  | Unit                         | Demo  | Local Check | Name of parameter  | Unit | Demo  | Local Check |
|          |                         | 12   | 13           | 14             | 15               | 16   | 17                           | 18    | 19          | 20   | 21   | 22    | 23          |
| Durg     | Wheat                   | PDI  | %            | 26.87          | 32.18            | -  | -                            | -     | -           | Yield  | q/ha | 13.40 | 10.36       |
| Durg     | Wheat                   | No. of branches/plant                                    |              |                |                  | No. of pods/plant  |                              |       |             | Yield  | q/ha | 23.5  | 20.0        |
| Durg     | Rice                    | Area covered by FW/day                                   | Square meter | 4500 sq. meter | .29 square meter | --   | -                            | -     | -           | -  | -    | -     | -           |
| Durg     | Mustard                 | No. of branches/plant                                    | No.          | 9              | 5                | No. of pods/plant  | No.                          | 190   | 125         | Yield  | q/ha | 7     | 4.2         |
| Durg     | Safflower               |  |              |                |                  |  |                              |       |             |  |      |       |             |
| Durg     | Brinjal                 | Mortality rate at nursery                                | %            | 10             | 38               | -  | -                            | -     | -           | -  | -    | -     | -           |
| Durg     | Soybean                 | No. of branches/plant                                    | No.          | 8              | 5                | No. of pods/plant  | No.                          | 85    | 55          | Yield  | q/ha | 14.37 | 11.25       |
| Durg     | Arhar                   | No. of branches/plant                                    | No.          | 9              | 6                | No. of pods/plant  | No.                          | 200   | 135         | Yield  | q/ha | 10    | 6.25        |
| Durg     | Rice                    | No. of panicles /plant                                   | No.          |                |                  | No. of   | No. filled grains / panicles |       |             | Yield  | q/ha | 42    | 29          |
| Durg     | Rice                    | PDI  | %            | 31.25          | 22.5             | PDS  | %                            | 24.86 | 27.93       | Yield  | q/ha | 23.81 | 23.05       |
| Durg     | Rice                    | No. of panicles /plant                                   | No.          |                |                  | No. of   | No. filled grains / panicles |       |             | Yield  | q/ha | 42.5  | 29          |

**C. Economic Impact (continuation of previous table)**

| KVK Name | Name of Crop/Enterprise | Average Cost of cultivation (Rs/ha) |             | Average Gross Return (Rs/ha) |             | Average Net Return (Rs/ha) |             | Benefit-Cost Ratio (Gross Return / Gross Cost) |             |
|----------|-------------------------|-------------------------------------|-------------|------------------------------|-------------|----------------------------|-------------|--|-------------|
|          |                         | Demonstration                       | Local Check | Demonstration                | Local Check | Demonstration              | Local Check | Demonstration                                  | Local Check |
| Durg     | Wheat                   |                                     |             |                              |             |                            |             |  |             |
| Durg     | Safflower               |                                     |             |                              |             |                            |             |  |             |
| Durg     | Rice                    | -                                   | -           | -                            | -           | -                          | -           | -  | -           |
| Durg     | Mustard                 | 8600                                | 6700        | 18900                        | 11340       | 10,300                     | 4640        | 2.1:1  | 1.6:1       |
| Durg     | Soybean                 | 10080                               | 7930        | 21375                        | 12000       | 11295                      | 4070        | 2.1:1  | 1.51:1      |
| Durg     | Arhar                   | 10510                               | 7900        | 27000                        | 16875       | 16490                      | 8975        | 2.6:1  | 2.1:1       |
| Durg     | Rice                    |                                     |             |                              |             |                            |             |  |             |
| Durg     | Rice                    |                                     |             |                              |             |                            |             |  |             |

**3.6 Analytical Review of component demonstrations**

| KVK Name | Crop      | Season | Type of Demo (Full Package/ Component) | Components provided by KVK | Components provided by Farmers | Farming situation | Average yield under demonstration(q/ha) | Average yield under Local check (q/ha) | Percentage increase in productivity over local check |
|----------|-----------|--------|--|----------------------------|--------------------------------|-------------------|---|--|--|
| Durg     | Wheat     | Rabi   | Component                              | Fungicides                 | All inputs except Fungicides   | Irrigated         | 13.40                                   | 10.36                                  | 29.34  |
| Durg     | Wheat     | Rabi   | Full Package                           | Seed                       | All inputs except seed         | Irrigated         | 23.5                                    | 20                                     |  |
| Durg     | Rice      | Rabi   | Component                              | Sickle                     | -                              | Irrigated         | -                                       | -                                      | -  |
| Durg     | Mustard   | Rabi   | Full Package                           | Seed                       | All inputs except seed         | Irrigated         | 7                                       | 4.2                                    | 40   |
| Durg     | Safflower | Rabi   |  |                            |                                |                   |   |  |  |
| Durg     | Soybean   | Kharif | Full                                   | Insecticide                | All inputs                     | Rainfed           | 14.25                                   | 10                                     | 42.5%  |

|      |       |        |              |            |                              |         |       |       |       |
|------|-------|--------|--------------|------------|------------------------------|---------|-------|-------|-------|
|      |       |        | Package      |            | except insecticide           |         |       |       |       |
| Durg | Arhar | Kharif | Full Package | Seed       | All inputs except seed       | Rainfed | 10    | 6.25  | 37.5% |
| Durg | Rice  | Kharif | Full Package | Seed       | All inputs except seed       | Rainfed | 42    | 29    |       |
| Durg | Rice  | Kharif | Component    | Fungicides | All inputs except Fungicides | Rainfed | 23.81 | 23.05 | 3.29  |
| Durg | Rice  | Kharif | Full Package | Seed       | All inputs except seed       | Rainfed | 42.5  | 29    |       |

### 3.7 Technical Feedback on the demonstrated technologies

| KVK Name | Crop      | Demonstrated Technology   | Village           | Block Name        | Feed Back   |
|----------|-----------|---|-------------------|-------------------|---|
| Durg     | Wheat     | Seed treatment with <i>Vitavax</i> @ 2g/kg of seed              | Pendri            | Dhamda            | Farmers appreciated to the performance of fungicides  |
| Durg     | Wheat     | Use of high yielding variety with full package                  | Chingori, Khalari | Patan, Gunderdhai | Farmers appreciated to the yield performance and production technology  |
| Durg     | Rice      | Use of improved agricultural implements for harvesting of paddy | Anjora            | Durg              | All the farm women appreciated the performance of the demonstration and ready to adopt the technique and also accept that use of serreted sickle is definitely reduces drudgery during harvesting of paddy. |
| Durg     | Mustard   | Use of high yielding variety with full package                  | Chingori          | Patan             | Farmers appreciated to the yield performance of Pusa Bold and production technology   |
| Durg     | Safflower |   |                   |                   |   |
| Durg     | Soybean   | Use of insecticide  | Borai             | Durg              | Farmer appreciated the technology   |

|      |       |  |         |            |  |
|------|-------|--|---------|------------|--|
| Durg | Arhar | Improved varitey, line sowing,                                       | Borai   | Durg       | Farmers appreciated to the yield performance and production technology           |
| Durg | Rice  | Use of improved variety with full package                            | Khalari | Gunderdhai | Farmers appreciated to the yield performance and production technology           |
| Durg | Rice  | Seed treatment with 17% salt solution +spraying of fungicides @ 0.1% | Pendri  | Dhamda     | Farmers appreciated to the performance of seed trat +fungicides application both |
| Durg | Rice  | Use Of Hybrid with full package                                      | Khalari | Gunderdhai | Farmers appreciated to the yield performance and production technology           |

### 3.8 Farmers' reactions on specific technologies

| KVK Name | Crop  | Demonstrated Technology                     | Farmers' Name   | Village | Block Name | Feed Back                                       |
|----------|-------|---|---|---------|------------|---|
| Durg     | Wheat | Seed treatment with vitavax @ 2g/kg of seed | <ol style="list-style-type: none"> <li>1. Nand Kumar</li> <li>2. Channu Lal</li> <li>3. Mohan</li> <li>4. Sukhi Lal</li> <li>5. Jeewan Lal</li> <li>6. Deheraram</li> <li>7. Hemant Kumar</li> <li>8. Triambak</li> <li>9. Radhe</li> <li>10. Jagrakhan</li> <li>11. Jagesware</li> <li>12. Sugreev</li> <li>13. Dehera</li> <li>14. Vishnu</li> <li>15. Mahesh</li> <li>16. Vijay Lal</li> </ol> | Pendri  | Dhamda     | Farmers appreciated the seed treat with vitavax |

|      |           |  |   |          |             |   |
|------|-----------|--|---|----------|-------------|---|
| Durg | Wheat     | Use of high yielding variety with full package | <ol style="list-style-type: none"> <li>1. Bhan Singh</li> <li>2. Draupati</li> <li>3. Mina Singh</li> <li>4. Bhagwati Prasad</li> <li>5. Yaswant Kumar</li> <li>6. Hemant Kumar</li> <li>7. Devendra Kumar</li> <li>8. Kajia</li> <li>9. Cahbiram</li> <li>10. Biselal</li> </ol>   | Chingori | Patan       |   |
|      |           |  | <ol style="list-style-type: none"> <li>11. Harish Kumar</li> <li>12. Tikeswar Patel</li> <li>13. Bhisem Lal</li> <li>14. Yasoda Thakur</li> <li>15. Ghuaram Shau</li> <li>16. Jitendra Kumar</li> <li>17. Kriskant</li> <li>18. Thal Singh</li> <li>19. Hemnath</li> <li>20. Iswar Lal</li> <li>21. Rajendra Kumar</li> <li>23. Taman Lal</li> <li>24. Chandra Prakash</li> <li>25. Ashok Kumar</li> <li>26. Dilip Kumar</li> </ol> | Khalari  | Gunderd hai | Farmers were agreed with the technology demonstrated and to adopt it as such in coming seasons  |
| Durg | Mustard   | Use of high yielding variety with full package | <ol style="list-style-type: none"> <li>1. Manharan</li> <li>2. Girishchand</li> <li>3. Mahendra Prasad</li> <li>4. Pana Lal</li> <li>5. Churavan</li> </ol>   | Chingori | Patan       | Farmers were agreed with the technology demonstrated and to adopt it as such in coming seasons. |
| Durg | Safflower |  | <ol style="list-style-type: none"> <li>1. Harish Yadav</li> <li>2. Tikeswar Patel</li> <li>3. Narendra Kumar</li> <li>4. Sukhdev Kumar</li> </ol>   |          |             |   |

|             |                |                                     |  |                |                    |   |
|-------------|----------------|-------------------------------------|--|----------------|--------------------|---|
|             |                |                                     | <b>5. Chandra Prakash</b><br><b>6. Sohan Yadav</b><br><b>7. Shravan Shau</b><br><b>8. Babulal Sahu</b><br><b>9. Lomesh Thakur</b><br><b>10. Chandra Kumar</b><br><b>11. Dinu Sahu</b><br><b>12. Shalendra Kumar</b><br><b>13. Dev Lal Yadav</b><br><b>14. Yogeswar</b>           |                |                    |   |
| <b>Durg</b> | <b>Soybean</b> | <b>Use of insecticide</b>           | <b>1. Uttam Chandrakar</b><br><b>2. Deu Lal</b><br><b>3. Dipak Yadav</b><br><b>4. Shutichan Yadav</b><br><b>5. Jai Bhushan</b><br><b>6. Shiv Kumar</b><br><b>7. Shailendra Chandrakar</b><br><b>8. Badri Das Vaishnow</b><br><b>9. Thahetswar Yadav</b><br><b>10. Shiv Kumar</b> | <b>Borai</b>   | <b>Durg</b>        | <b>Farmers highly appreciated the use of insecticide</b>  |
| <b>Durg</b> | <b>Arhar</b>   | <b>Improved variety+line sowing</b> | <b>1. Parmanand Yadav</b><br><b>2. Murti Yadav</b><br><b>3. Dipak Lal</b><br><b>4. Anjani Bai</b><br><b>5. Jageswar Yadav</b><br><b>6. Devendra Bhushan</b><br><b>7. Sujeet Kumar</b><br><b>8. Uttam Chandrakar</b><br><b>9. Raj Kumar</b><br><b>10. Nar Singh</b>               | <b>Borai</b>   | <b>Durg</b>        | <b>Farmers were agreed with the technology</b>  |
| <b>Durg</b> | <b>Rice</b>    | <b>Improved Varitey</b>             | <b>Tikeswar Patel</b><br><b>Thal Singh Sahu</b><br><b>Hemnath Sahu</b><br><b>Yogeswar Sahu</b>   | <b>Khalari</b> | <b>Gunder dhai</b> | <b>Farmers were agreed with the technology demonstrated and to adopt it as such in coming seasons</b> |

|             |             |  |   |                |                    |   |
|-------------|-------------|--|---|----------------|--------------------|---|
|             |             |  | <b>Kaushal Prasad<br/>Jai Prakash<br/>Bhisam Lal Sahu<br/>Bhaur Ram Sahu<br/>Vinay Patankar</b>   |                |                    |   |
| <b>Durg</b> | <b>Rice</b> | <b>Seed treat + Spraying of Propiconazole @ 0.1%</b> | <b>1. Than Singh<br/>2. Arjun<br/>3. Ram Singh<br/>4. Siyaram<br/>5. Nand Kumar<br/>6. Deheraram<br/>7. Totaram<br/>8. Dashrath</b>         | <b>Pendri</b>  | <b>Dhamda</b>      | <b>Farmers appreciated the seed treat + spraying of Propiconazole</b>                                 |
| <b>Durg</b> | <b>Rice</b> | <b>Hybrid Varitey</b>                                | <b>1. Jai Prakash<br/>2. Tikeswar Patel<br/>3. Chandra Prakash<br/>4. Bhisam Lal<br/>5. Bhaur Ram<br/>6. Thal Singh<br/>7. Hemnath Sahu</b> | <b>Khalari</b> | <b>Gunder dhai</b> | <b>Farmers were agreed with the technology demonstrated and to adopt it as such in coming seasons</b> |

### 3.9 Extension and Training activities under FLD

| <b>KVK Name</b> | <b>Crop</b>      | <b>Activity</b>         | <b>No. of activities organized</b> | <b>Number of participants</b> | <b>Remarks</b>                          |
|-----------------|------------------|-------------------------|------------------------------------|-------------------------------|---|
| <b>Durg</b>     | <b>Wheat</b>     | <b>Farmers Training</b> | <b>02</b>                          | <b>60</b>                     | <b>One technical Bulletin published</b> |
| <b>Durg</b>     | <b>Mustard</b>   | <b>Field days</b>       |                                    |                               |   |
|                 |                  | <b>Farmers Training</b> | <b>02</b>                          | <b>48</b>                     |   |
| <b>Durg</b>     | <b>Gram</b>      | <b>Field days</b>       | <b>01</b>                          | <b>46</b>                     |   |
|                 |                  | <b>Farmers Training</b> | <b>02</b>                          | <b>58</b>                     |   |
| <b>Durg</b>     | <b>Safflower</b> | <b>Farmers Training</b> | <b>02</b>                          | <b>53</b>                     |   |

|      |         |                          |    |    |                                  |
|------|---------|--------------------------|----|----|----------------------------------|
| Durg | Brinjal | Farmers Training + Visit | 03 | 47 |                                  |
| Durg | Soybean | Farmers Training         | 02 | 38 | One technical Bulletin published |
| Durg | Arhar   | Farmers Training         | 02 | 41 |                                  |
| Durg | Rice    | Farmers Training         | 02 | 65 | One technical Bulletin published |
| Durg | Rice    | Farmers Training         | 01 | 16 |                                  |

#### Abbreviation Used

|                                    |   |
|------------------------------------|---|
| FW                                 | (A) Farmers & Farm Women                    |
| RY                                 | (B) Rural Youths                            |
| IS                                 | (C) Extension Personnel                     |
| ONC                                | On Campus Training Programme                |
| OFC                                | Off Campus Training Programme               |
| M                                  | Male  |
| F                                  | Female                                      |
| T                                  | Total                                       |
| <i>Thematic Areas for Training</i> |   |
| CRP                                | Crop Production                             |
| HOV                                | Horticulture – Vegetable Crops              |
| HOF                                | Horticulture-Fruits                         |
| HOO                                | Horticulture- Ornamental Plants             |
| HOP                                | Horticulture- Plantation crops              |
| HOT                                | Horticulture- Tuber crops                   |
| HOS                                | Horticulture- Spices                        |
| HOM                                | Horticulture- Medicinal and Aromatic Plants |
| SFM                                | Soil Health and Fertility Management        |
| LPM                                | Livestock Production and Management         |

|            |   |
|------------|---|
| <b>WOE</b> | <b>Home Science/Women empowerment</b>       |
| <b>AEG</b> | <b>Agril. Engineering</b>                   |
| <b>PLP</b> | <b>Plant Protection</b>                     |
| <b>FIS</b> | <b>Fisheries</b>                            |
| <b>PIS</b> | <b>Production of Inputs at site</b>         |
| <b>CBD</b> | <b>Capacity Building and Group Dynamics</b> |
| <b>AGF</b> | <b>Agro-forestry</b>                        |
| <b>OTH</b> | <b>Others</b>                               |
| <b>RYH</b> | <b>Rural Youth</b>                          |
| <b>EXP</b> | <b>Extension Personnel</b>                  |

### 5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only,
2. For category, training type and thematic area, mention code/abbreviations only

Table 5.1. Details of Training programmes conducted by the KVKs

| Name of KVK | Cate-<br>gory | Training<br>Type | Thematic<br>area | Training<br>Title | No. of<br>Courses | Duration<br>(Days) | Participants |    |    |    |    |    |        |   |
|-------------|---------------|------------------|------------------|-------------------|-------------------|--------------------|--------------|----|----|----|----|----|--------|---|
|             |               |                  |                  |                   |                   |                    | General      |    | SC |    | ST |    | Others |   |
|             |               |                  |                  |                   |                   |                    | M            | F  | M  | F  | M  | F  | M      | F |
| 1           | 2             | 3                | 4                | 5                 | 7                 | 8                  | 9            | 10 | 11 | 12 | 13 | 14 |        |   |
| Durg        | FFW           | OFC              | WOE              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | ONC              | WOE              |                   | 2                 | 2                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | OFC              | PLP              |                   | 5                 | 5                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | ONC              | PLP              |                   | 4                 | 4                  |              |    |    |    |    |    |        |   |
| Durg        | RY            | ONC              | LPM              |                   | 2                 | 2                  |              |    |    |    |    |    |        |   |
| Durg        | RY            | OFC              | LPM              |                   | 1                 | 1                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | ONC              | HOV              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | OFC              | HOV              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | OFC              | HOV              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | ONC              | HOT              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |
| Durg        | FFW           | OFC              | HOT              |                   | 3                 | 3                  |              |    |    |    |    |    |        |   |

|      |     |     |     |  |   |   |  |  |  |  |  |  |  |  |
|------|-----|-----|-----|--|---|---|--|--|--|--|--|--|--|--|
| Durg | FFW | ONC | HOM |  | 2 | 2 |  |  |  |  |  |  |  |  |
| Durg | FFW | OFC | HOM |  | 2 | 2 |  |  |  |  |  |  |  |  |
| Durg | FFW | ONC | HOF |  | 3 | 3 |  |  |  |  |  |  |  |  |
| Durg | FFW | ONC | CRP |  | 5 | 5 |  |  |  |  |  |  |  |  |
| Durg | FFW | OFC | CRP |  | 3 | 3 |  |  |  |  |  |  |  |  |
| Durg | IS  | ONC | CRP |  | 4 | 4 |  |  |  |  |  |  |  |  |
| Durg | IS  | ONC | CRP |  | 2 | 2 |  |  |  |  |  |  |  |  |

**Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs**

| Name of KVK | Training title | Crop / Enterprise | Identified Thrust Area | Duration of training (days) | Number of Beneficiaries |   |    |   |        |   |  |
|-------------|----------------|-------------------|------------------------|-----------------------------|-------------------------|---|----|---|--------|---|--|
|             |                |                   |                        |                             | SC                      |   | ST |   | Others |   |  |
|             |                |                   |                        |                             | M                       | F | M  | F | M      | F |  |
| Durg        |                |                   |                        |                             |                         |   |    |   |        |   |  |
| Durg        |                |                   |                        |                             |                         |   |    |   |        |   |  |
| Durg        |                |                   |                        |                             |                         |   |    |   |        |   |  |

**Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs**

| Name of KVK | Training title | Self employed after training |                 |                            | Number of persons employed elsewhere |
|-------------|----------------|------------------------------|-----------------|----------------------------|--------------------------------------|
|             |                | Type of units                | Number of units | Number of persons employed |                                      |
| Durg        |                |                              |                 |                            |                                      |
| Durg        |                |                              |                 |                            |                                      |

**Table 5.4. Sponsored Training Programmes**

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/RY/IS) | Duration (days) | No. of courses | No. of Participants |   |    |   |    |   | Sponsoring Agency | Fund received for training (Rs.) |
|-------------|-------|--|--|-------------------|-----------------|----------------|---------------------|---|----|---|----|---|-------------------|----------------------------------|
|             |       |  |  |                   |                 |                | Others              |   | SC |   | ST |   |                   |                                  |
|             |       |  |  |                   |                 |                | M                   | F | M  | F | M  | F |                   |                                  |
| Durg        |       |  |  |                   |                 |                |                     |   |    |   |    |   |                   |                                  |
| Durg        |       |  |  |                   |                 |                |                     |   |    |   |    |   |                   |                                  |

**Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

| Name of KVK | Title | Thematic area (as given in abbreviation table) | Sub-theme (as per column no 5 of Table T1) | Client (FW/RY/IS) | Duration (days) | No. of courses | No. of Participants |   |    |   |    |   | Sponsoring Agency | Fund received for training (Rs.) |
|-------------|-------|--|--|-------------------|-----------------|----------------|---------------------|---|----|---|----|---|-------------------|----------------------------------|
|             |       |  |  |                   |                 |                | Others              |   | SC |   | ST |   |                   |                                  |
|             |       |  |  |                   |                 |                | M                   | F | M  | F | M  | F |                   |                                  |
| Durg        |       |  |  |                   |                 |                |                     |   |    |   |    |   |                   |                                  |
| Durg        |       |  |  |                   |                 |                |                     |   |    |   |    |   |                   |                                  |

**Table 5.6 Evaluation/Flow up & Impact of the training programmes conducted by the KVK (all types of trainings)**

| Name of KVK | Title of the training | No. of trainees | Change in knowledge (Score) |       | Change in Production (q/ha) |       | Change in Income (Rs) |       | Impact on Area expanded (ha)<br>No. of farmers adopted (no.)<br>% change in knowledge, production & Income |
|-------------|-----------------------|-----------------|-----------------------------|-------|-----------------------------|-------|-----------------------|-------|--|
|             |                       |                 | Before                      | After | Before                      | After | Before                | After |  |
| Durg        |                       |                 |                             |       |                             |       |                       |       |  |

## 6. EXTENSION ACTIVITIES

| Activity                               | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants |    |                 |   |                     |   | Remarks |         |             |
|--|------------------------------|------------------------------|------------------------|----|-----------------|---|---------------------|---|---------|---------|-------------|
|  |                              |                              | Farmers (Others)       |    | SC/ST (Farmers) |   | Extension Officials |   | Purpose | Topic s | Crop Stages |
|  |                              |                              | M                      | F  | M               | F | M                   | F |         |         |             |
| Field Day                              | 6                            | 4                            | 70                     | 45 |                 |   |                     |   |         |         |             |
| Kisan Mela                             | 2                            | 1                            | 10                     | 24 |                 |   |                     |   |         |         |             |
| Kisan Ghosthi                          | 2                            | 2                            | 300                    | 80 |                 |   |                     |   |         |         |             |
| Exhibition                             |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Film Show                              |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Method Demonstrations                  | 10                           | 10                           | >500                   |    |                 |   |                     |   |         |         |             |
| Farmers Seminar                        |                              | 83                           | >10000                 |    |                 |   |                     |   |         |         |             |
| Monthly Workshop                       | 12                           | 09                           | 300                    |    |                 |   |                     |   |         |         |             |
| Group meetings                         |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Lectures delivered as resource persons |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Newspaper coverage                     |                              | 10                           |                        |    |                 |   |                     |   |         |         |             |
| Radio talks                            |                              | 10                           |                        |    |                 |   |                     |   |         |         |             |
| TV talks                               |                              | 12                           |                        |    |                 |   |                     |   |         |         |             |
| Popular articles                       |                              | 0                            |                        |    |                 |   |                     |   |         |         |             |
| Extension Literature                   |                              | 9                            | 4500                   |    |                 |   |                     |   |         |         |             |
| Farm advisory Services                 |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Scientific visit to farmers field      |                              | 30                           |                        |    |                 |   |                     |   |         |         |             |
| Farmers visit to KVK                   |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Diagnostic visits                      |                              | 24                           |                        |    |                 |   |                     |   |         |         |             |
| Exposure visits                        |                              | 0                            |                        |    |                 |   |                     |   |         |         |             |
| Ex-trainees Sammelan                   |                              |                              |                        |    |                 |   |                     |   |         |         |             |
| Soil health Camp                       |                              | 2                            | 48                     |    |                 |   |                     |   |         |         |             |
| Animal Health Camp                     |                              | 0                            |                        |    |                 |   |                     |   |         |         |             |
| Agri mobile clinic                     |                              | 0                            |                        |    |                 |   |                     |   |         |         |             |
| Soil test campaigns                    |                              | 10                           |                        |    |                 |   |                     |   |         |         |             |

| Activity                           | No. of activities (Targeted) | No. of activities (Achieved) | Detail of Participants |   |                 |   |                     |   | Remarks |         |             |
|------------------------------------|------------------------------|------------------------------|------------------------|---|-----------------|---|---------------------|---|---------|---------|-------------|
|                                    |                              |                              | Farmers (Others)       |   | SC/ST (Farmers) |   | Extension Officials |   | Purpose | Topic s | Crop Stages |
|                                    |                              |                              | M                      | F | M               | F | M                   | F |         |         |             |
| Farm Science Club conveners meet   |                              | 06                           | 600                    |   |                 |   |                     |   |         |         |             |
| Self Help Group conveners meetings |                              | 2                            | 52                     |   |                 |   |                     |   |         |         |             |
| Mahila Mandals conveners meetings  |                              | 2                            | 35                     |   |                 |   |                     |   |         |         |             |
| Celebration of important days      |                              | 3                            | 90                     |   |                 |   |                     |   |         |         |             |

#### Literature Developed/Published (with full title, author & reference)

##### 7.1 KVK Newsletters

| KVK Name | Date of start | Periodicity | Number of copies printed | Number of copies distributed |
|----------|---------------|-------------|--------------------------|------------------------------|
|          |               |             |                          |                              |
|          |               |             |                          |                              |
|          |               |             |                          |                              |

##### 7.2 Literature developed/published

| KVK Name | Type           | Title                  | Author's name                                   | Number of copies |
|----------|----------------|------------------------|---|------------------|
| Durg     | Tech. Bulletin | Soybean ki Unnat Kheti | R.U.Khan S.K. Thapak Umesh Kumar and Asit Kumar | 500              |
|          | Tech. Bulletin | Ghenhu ki Unnat Kheti  | R.U.Khan S.K. Thapak Umesh Kumar and Asit Kumar | 500              |
|          | Tech. Bulletin | Chana ki Unnat Kheti   | R.U.Khan S.K. Thapak Umesh Kumar and Asit Kumar | 500              |

|  |                |  |  |          |
|--|----------------|--|--|----------|
|  | Tech. Bulletin | Ganna ki Unnat Kheti                       | S.K. Thapak Umesh Kumar<br>R.U.Khan and Asit Kumar | 500      |
|  | Tech. Bulletin | Dhan ke Rog evam unka Nidan                | S.K. Thapak and R.U.Khan                           | 200      |
|  | Tech. Bulletin | Processing of haldi                        | Annu Verma and R.U.khan                            | 200      |
|  | Tech. Bulletin | Processng of Mango, Ber and Anola Products | Karmana Pandey and R>U>Khan                        | 500 each |
|  | Folder         | Batakh- Murgi Palan                        | R.K.Gadpayle and R.U.Khan                          | 500      |

### 7.3 Details of Electronic Media Produced

| KVK Name | Type of media<br>(CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|----------|--|------------------------|--------|
|          |  |                        |        |
|          |  |                        |        |
|          |  |                        |        |

## 8. Production and supply of Technological products

### 8.1 SEED production

| KVK Name | Major group/class | Crop      | Variety      | Type of produce<br>(for Seed produced type hear SD; For Planting Material type here PM) | Quantity | Unit for quantity of produces<br>(qtl for SD and Nos for PM) | Value (Rs.) | Provided to No. of Farmers |
|----------|-------------------|-----------|--------------|---|----------|--|-------------|----------------------------|
| Durg     | Cereals           | Rice      | Karma Masuri | SD  | 90.00    | 1250/q   | 112500      |                            |
| Durg     | Cereals           | Wheat     | GW 366       | SD  | 22.00    | 1500/q   | 33000       |                            |
| Durg     | Oilseeds          | Safflower | JSF-1        | SD  | 2.00     | 2500/q   | 5000        |                            |

### 8.2 Planting Material production

| KVK Name | Major group/class | Name of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production |                 |      | Amount (Rs.)   |              | Remarks |
|----------|-------------------|------------------|----------------|-----------------|-----------|-----------------------|-----------------|------|----------------|--------------|---------|
|          |                   |                  |                |                 |           | Variety               | Type of Produce | Qty. | Cost of inputs | Gross income |         |
| Durg     | NIL               |                  |                |                 |           |                       |                 |      |                |              |         |

### 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

| KVK Name | Name of the Product | Qty | Amount (Rs.)   |              | Remarks |
|----------|---------------------|-----|----------------|--------------|---------|
|          |                     |     | Cost of inputs | Gross income |         |
| Durg     | BIOAGENTS           | Nil |                |              |         |
| Durg     | Vermicompost        |     |                |              |         |
| Durg     | BIO PESTICIDES      | Nil |                |              |         |

### 8.4 Livestock and fisheries production Nil

| KVK Name | Name of the animal / bird / aquatics | Details of production |                 |      | Amount (Rs.)   |              | Remarks |
|----------|--------------------------------------|-----------------------|-----------------|------|----------------|--------------|---------|
|          |                                      | Breed                 | Type of Produce | Qty. | Cost of inputs | Gross income |         |
| Durg     | Cattle                               | NIL                   |                 |      |                |              |         |
|          | Buffalo                              | NIL                   |                 |      |                |              |         |
| Durg     | Sheep and Goat                       | NIL                   |                 |      |                |              |         |
| Durg     | Poultry                              | NIL                   |                 |      |                |              |         |
| Durg     | Fisheries                            | NIL                   |                 |      |                |              |         |
| Durg     | Others (Specify)                     | NIL                   |                 |      |                |              |         |

### 9. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

#### 9.1 Details of soil & water samples analyzed so far :

| KVK Name | Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
|----------|---------|----------------|----------------|-----------------|-----------------|
| Durg     |         | 50             | 50             | 8               |                 |
|          |         |                |                |                 |                 |

### 10. Rainwater Harvesting

#### Training programmes conducted by using Rainwater Harvesting Demonstration Unit

| Name of KVK | Date | Title of the training course | Client (PF/RV/EF) | No. of Courses | No. of Participants including SC/ST |        |       | No. of SC/ST Participants |        |       |
|-------------|------|------------------------------|-------------------|----------------|-------------------------------------|--------|-------|---------------------------|--------|-------|
|             |      |                              |                   |                | Male                                | Female | Total | Male                      | Female | Total |
| Durg        | Nil  |                              |                   |                |                                     |        |       |                           |        |       |
|             |      |                              |                   |                |                                     |        |       |                           |        |       |
|             |      |                              |                   |                |                                     |        |       |                           |        |       |

### 1. Utilization of Farmers Hostel facilities

Accommodation available (No. of beds) :Nil

| KVK Name | Months | Year | Title of the training course | Duration of training | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|----------|--------|------|------------------------------|----------------------|------------------------|----------------------------|--------------------------------|
| Durg     |        |      |                              |                      |                        |                            |                                |
| Durg     |        |      |                              |                      |                        |                            |                                |

### 12. Utilization of Staff Quarters facilities: Nil

| KVK Name | Year of construction | Year of allotment | No. of quarters occupied | No. of quarters vacant | Reasons for vacant quarters, if any |
|----------|----------------------|-------------------|--------------------------|------------------------|-------------------------------------|
| Durg     |                      |                   |                          |                        |                                     |
|          |                      |                   |                          |                        |                                     |
|          |                      |                   |                          |                        |                                     |

### 13. Details of SAC Meeting

| KVK Name | Date of SAC meeting | No. of SAC members attended | Major recommendations |
|----------|---------------------|-----------------------------|-----------------------|
| Durg     | 26-5-11             | 17                          |                       |

#### 14. Status of Kisan Mobile Advisory (KVK-KMA)

| KVK Name | No. of messages sent | No. of beneficiary |            | Major recommendations                 |
|----------|----------------------|--------------------|------------|---------------------------------------|
|          |                      | Farmers            | Ext. Pers. |                                       |
| Durg     | 15                   | 7500               | 600        | PLP<br>CRP<br>HOV<br>VA<br>LPM<br>HOF |
|          |                      |                    |            |                                       |

#### 15. Status of Convergence with various agricultural schemes (Central & State sponsored)

| KVK Name | Name of scheme        | Name of Agency (Central/state) | Funds received (Rs.) | Activities organized | Operational Area                              | Remarks |
|----------|-----------------------|--------------------------------|----------------------|----------------------|---|---------|
|          | ATMA                  | Dy. Director Ag. Durg          | 200000               | FLD and Trainings    | Block Durg, Gurur Gunderdehi and Patan Block. |         |
|          | MNREGA                |                                |                      |                      |   |         |
|          | NHM                   | Dy. Director Hort. Durg        | 70000                | In Service Training  | Entire District                               |         |
|          | RKVY                  | DRS, IGKV                      | 320000               | Trainings            | Entire District                               |         |
|          | DRDA                  |                                |                      |                      |   |         |
|          | Zila Panchyat         |                                |                      |                      |   |         |
|          | Seed village          |                                |                      |                      |   |         |
|          | NAIP                  |                                |                      |                      |   |         |
|          | Climate Change        | DRS, IGKV                      | 20000                | Awareness Camp       | Entire District                               |         |
|          | Others (Plz. Specify) |                                |                      |                      |   |         |

### 16. Status of Revolving Funds (Rs.)

| KVK Name | Account No.                        | Opening balance (Rs.) | Closing balance (Rs.) | Current status (Rs.) |
|----------|------------------------------------|-----------------------|-----------------------|----------------------|
| Durg     | 20974824760<br>Allahabad Bank Durg |                       |                       |                      |

### 17. Awards & Recognitions

| KVK Name | Name of award /awardee | Type of award<br>(Ind./Group/Inst./Farmer) | Awarding Organizations | Amount received |
|----------|------------------------|--|------------------------|-----------------|
| Durg     | Nil                    |  |                        |                 |
|          |                        |  |                        |                 |
|          |                        |  |                        |                 |

### 18. Case study and Success Story – Two best only in the following format

| KVK  | TITLE   | Introduction,   | Intervention | Output                         | Outcome   | Impact   |
|------|---|---|--------------|--------------------------------|---|--|
| Durg | Mixed farming and fish seed production                                    | Farmer sh. Ashok Chandrakar of village Chandkhuri in Durg block has increased farm income by more than 12 times by Mixed farming and fish seed production.  | Consultancy  | Higher farm revenue and profit | It's a set of technologies sustainable mixed farming.                 | Technologies are spreading in other villages . |
| Durg | Rain water harvesting, seed production of rice hybrid and organic farming | Farmer sh. Sanjay Prakash Chodhary of village Arkar in Gurur block has increased cropping intensity from 150 % to more than 300 % by using ftechic of Rain water harvesting,<br>He generates more than double income by the production of milk products using organic products / inputs in dairying.<br>He generates more than double income by the production of seed of hybrids of rice and their parents | Consultancy  | Higher farm revenue and profit | Technologies far high profit, rural employment and of pollution free. | Technologies are spreading in other villages . |

### 19. Details of KVK Agro-technological Park

| Name of KVK | Name of Component of Park | Detail Information (If established)   |
|-------------|---------------------------|---|
| Durg        | Crop Cafeteria            | Varieties of Rice, Soybean, Mungbean, Urdbean, wheat, gram, Sugarcane, brinjal Tomato and Bottlegaurd |
|             | Technology Desk           |   |
|             | Visitors Gallery          |   |
|             | Technology Exhibition     |   |
|             | Technology Gate-Valve     |   |

### 20. Important visitors to KVK

| Name of KVK | Name of Visitor  | Date of Visit            | Remarks   |
|-------------|--|--------------------------|---|
| Durg        | Dr. Charan Das Mahant Honorable Minister of State for Ag. and Food Processing Industries, Govt. of India | 05-3-2012                | Chief Guest of Goshthi and Awareness Camp under NICRA   |
| Durg        | Dr. M.P. Pandey Hon. VC IGKV, Raipur   | 20.06.2011               | In Training and Inauguration Programme of Renovated Air Conditioned Conference Hall   |
| Durg        | Dr. S. K. Patil, Hon. VC IGKV, Raipur  | 26.11.2011               | Chief Guest of Training Programme.  |
| Durg        | Dr. Gopal Ji. Trivedi  | 20.06.2011               | Chief Guest of Training and Inauguration Programme of Renovated Air Conditioned Conference Hall                                   |
| Durg        | Dr. J.S. Urkurkar DES IGKV, Raipur   | 20.06.2011<br>05-03-2012 | In Training and Inauguration Programme of Renovated Air Conditioned Conference Hall.<br>In Goshthi and Awareness Camp under NICRA |
| Durg        | Dr. K.S. vel, PS, IICPT Thanjavur  | 30-12-11                 |   |
| Durg        | Smt. Pratima Chandrakar MLA Durg   | 20-2-2012,<br>05-3-2012  | Chief Guest of Training Programme under RKVY<br>Goshthi and Awareness Camp under NICRA  |

**21. Status of KVK Website: Available/Not Available**

**22. E-CONNECTIVITY**

| Name of KVK | Number and Date of Lecture delivered from KVK Hub |                      |                              |                               | No of lectors organized by KVK | Brief achievements | Remarks |
|-------------|---|----------------------|------------------------------|-------------------------------|--------------------------------|--------------------|---------|
| Durg        | Date  | No of Staff attended | No of call received from Hub | No of Call mate to Hub by KVK |                                |                    |         |
|             |   |                      |                              |                               |                                |                    |         |

**23. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS**

| Name of KVK | Types of Activities                                 | No. of Activities | Number of Participants | Related crop/livestock technology |
|-------------|---|-------------------|------------------------|-----------------------------------|
| Durg        | Gosthies  | 02                | 70                     |                                   |
| Durg        | Lectures organized                                  | 12                | 70                     |                                   |
| Durg        | Exhibition  | 01                | 105                    |                                   |
| Durg        | Film show   |                   |                        |                                   |
| Durg        | Fair  |                   |                        |                                   |
| Durg        | Farm Visit  |                   |                        |                                   |
| Durg        | Diagnostic Practical's                              | 01                | 70                     |                                   |
| Durg        | Distribution of Literature (No.)                    | 02                | 150                    |                                   |
| Durg        | Distribution of Seed (q)                            |                   |                        |                                   |
| Durg        | Distribution of Planting materials (No.)            | Nil               |                        |                                   |
| Durg        | Bio Product distribution (Kg)                       | Nil               |                        |                                   |
| Durg        | Bio Fertilizers (q)                                 | Nil               |                        |                                   |
| Durg        | Distribution of fingerlings (No)                    | Nil               |                        |                                   |
| Durg        | Distribution of Livestock specimen (No.)            | Nil               |                        |                                   |
| Durg        | Total number of farmers visited the technology week |                   |                        |                                   |

## 24. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

| Name of KVK | Crops/cultivars | Area (ha) | Number of beneficiaries |
|-------------|-----------------|-----------|-------------------------|
| Durg        | Safflower       | 4.0       | 10                      |
| Durg        |                 |           |                         |
| Durg        |                 |           |                         |

### Major area coverage under alternate crops/varieties

| Mane of KVK | Crops           | Area (ha) | Number of beneficiaries |
|-------------|-----------------|-----------|-------------------------|
| Durg        | Oilseeds        | Nil       |                         |
| Durg        | Pulses          |           |                         |
| Durg        | Cereals         |           |                         |
| Durg        | Vegetable crops |           |                         |
| Durg        | Tuber crops     |           |                         |
| Durg        | Fruits          |           |                         |
| Durg        | Spices          |           |                         |
| Durg        | Cotton          |           |                         |
|             |                 |           |                         |
|             |                 |           |                         |
|             | <b>Total</b>    |           |                         |

### Farmers-scientists interaction on livestock management

| Name of KVK | Livestock components       | Number of interactions | No.of participants |
|-------------|----------------------------|------------------------|--------------------|
| Durg        | Dairy Management           | 02                     | 3022               |
| Durg        | Disease management         | 01                     | 30                 |
| Durg        | Feed and fodder technology | 01                     | 27                 |
| Durg        | Poultry management         | 01                     | 23                 |
|             |                            |                        |                    |
|             |                            |                        |                    |

**Animal health camps organised**

| Name of KVK | Number of camps | No.of animals | No.of farmers |
|-------------|-----------------|---------------|---------------|
| Durg        | 01              | 105           | 77            |
| Durg        |                 |               |               |
| Durg        |                 |               |               |

**Seed distribution in drought hit states**

| Name of KVK | Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|-------------|-------|----------------|-----------------------|-------------------|
| Durg        | Nil   |                |                       |                   |
| Durg        | Nil   |                |                       |                   |
| Durg        | Nil   |                |                       |                   |

**Seedlings and Saplings distributed**

| Name of KVK      | Crops | Quantity (No.s) | Coverage of area (ha) | Number of farmers |
|------------------|-------|-----------------|-----------------------|-------------------|
| <b>Seedlings</b> |       |                 |                       |                   |
| Durg             | Nil   |                 |                       |                   |
| Durg             | Nil   |                 |                       |                   |
| Durg             | Nil   |                 |                       |                   |
| Durg             | Nil   |                 |                       |                   |
| Durg             | Nil   |                 |                       |                   |

**Bio-control Agents**

| Name of KVK | Bio-control Agents | Quantity (q) | Coverage of Area (ha) | No. of farmers |
|-------------|--------------------|--------------|-----------------------|----------------|
| Durg        | Nil                |              |                       |                |

**(e) Bio-Fertilizer**

| Name of KVK | Bio-Fertilizer | Quantity (kg) | Coverage of Area (ha) | No. of farmers |
|-------------|----------------|---------------|-----------------------|----------------|
| Durg        | Nil            |               |                       |                |

**(f) Verms Produced**

| Name of KVK | Verms Produced | Quantity (q) | Coverage of Area (ha) | No. of Farmers |
|-------------|----------------|--------------|-----------------------|----------------|
| Durg        | Compost        | 3.00         | 2.0                   | 2              |
| Durg        | Nil            |              |                       |                |

**(g) Large scale adoption of resource conservation technologies**

| Name of KVK | Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|-------------|---|-----------|-------------------|
| Durg        | Nil   |           |                   |
|             |   |           |                   |

**(h) Awareness campaign**

| Name of KVK | Meetings |                | Gosthies |                | Field days |                | Farmers fair |                | Exhibition |                | Film show |                |
|-------------|----------|----------------|----------|----------------|------------|----------------|--------------|----------------|------------|----------------|-----------|----------------|
|             | No.      | No. of farmers | No.      | No. of farmers | No.        | No. of farmers | No.          | No. of farmers | No.        | No. of farmers | No.       | No. of farmers |
|             |          |                |          |                |            |                |              |                |            |                |           |                |
|             |          |                |          |                |            |                |              |                |            |                |           |                |

**25. Status of KVK Website: Already having website/under construction**

**If available, please provide the address of website: Under construction**

**26. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem)**