

# INDIRA GANDHI AGRICULTURAL UNIVERSITY KRISHI VIGYAN KENDRA, JANJGIR -CHAMPA (C. G.)



**Annual Report 1-04-2010 to 31-03-2011**

# FORMAT 1- GENERAL, OFT & FLDS

**REPORTING PERIOD – 1 April, 2010 to 31 March, 2011**

## Summary of achievements during the reporting period

| KVK Name                                   | Activity  | Target             |                                  | Achievement        |                                  |
|--|---|--------------------|----------------------------------|--------------------|----------------------------------|
|  |   | Number of activity | Number of farmers/ beneficiaries | Number of activity | Number of farmers/ beneficiaries |
|  | OFTs  | 12                 | 48                               | 10                 | 41                               |
|  | FLDs – Oilseeds (activity in ha)  | 10                 | 24                               | 10                 | 22                               |
|  | FLDs – Pulses (activity in ha)  | 10                 | 24                               | 13                 | 30                               |
|  | FLDs – Cotton (activity in ha)  | 00                 | 00                               | 00                 | 00                               |
|  | FLDs – Other than Oilseed and pulse crops(activity in ha) Rice                      | 10                 | 24                               | 11                 | 20                               |
|  | FLDs – Other than Crops (activity in no. of Unit/Enterprise)                        | 00                 | 00                               | 00                 | 00                               |
|  | Training-Farmers and farm women   | 80                 | 2000                             | 84                 | 2632                             |
|  | Training-Rural youths   | 10                 | 250                              | 04                 | 125                              |
|  | Training- Extension functionaries   | 10                 | 200                              | 08                 | 216                              |
|  | Extension Activities  | 15                 | 5000                             | 17                 | 6520                             |
|  | Seed Production (Number of activity as seeds in quintal)                            | 150                |                                  | 110                |                                  |
|  | Planting material ((Number of activity as quantity of planting material in quintal) |                    |                                  |                    |                                  |
|  | Seedling Production (Number of activity as number of seedlings in numbers)          |                    |                                  |                    |                                  |
|  | Sapling Production (Number of activity as number of sapling in numbers)             |                    |                                  |                    |                                  |
|  | Other Bio- products   |                    |                                  |                    |                                  |
|  | Live stock products   |                    |                                  |                    |                                  |
|  | SAC Meeting (Date & no. of core/official members (7/4/2010)                         | 1                  | 20                               | 1                  | 27                               |
|  | Newsletters (no.)   | 4                  | 2000                             | 4                  | 2000                             |
|  | Publication (Research papers, popular article)                                      | 24                 |                                  | 30                 |                                  |
| Krishi Vigyan Kendra, Janjgir-Champa(C.G.) | Convergence programmes / Sponsored programmes                                       | 06                 | 200                              | 12                 | 480                              |

| KVK Name                                   | Activity  | Target             |                                  | Achievement        |                                  |
|--|---|--------------------|----------------------------------|--------------------|----------------------------------|
|  |   | Number of activity | Number of farmers/ beneficiaries | Number of activity | Number of farmers/ beneficiaries |
| Krishi Vigyan Kendra, Janjgir-Champa(C.G.) | Outreach of KVK in the District (No. of blocks, no. of villages)<br><br>No of block 9<br>No of Villages 914 |                    |                                  |                    |                                  |

## **1. GENERAL INFORMATION**

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

**Geographical Situation**

Latitude : 21.6 to 22.4 N

Longitude: 82.3 to 83.2 E

Altitude: 294.4 m (MSL)

**Current Agricultural Description**

Normal rainfall – 1147.4 mm

Max. Temp.- 49 C

Min. Temp. 8.0 C

Geographical Area : 4,46,674 Th. Hac.

Area under forest: 79,439 Th. Hac.

Single cropped area: 2,61,323 Th. Hac.

Net cropped area; 3,05,140 Th. Hac.

Rabi cropped area:85,178 Th. Hac.

Cropping intensity: 124.4 %

Total irrigated area: 222000 (80%)In Kharief

Farmers family

| Sl.no | Particulars | Number |
|-------|-------------|--------|
| 1.    | SC          | 79751  |
| 2.    | ST          | 35678  |
| 3.    | Others      | 234357 |
| 4.    | Total       | 349786 |

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

| KVK Name                                   | Village Name | Year of adoption | Block Name | Distance from KVK | Population | Number of farmers (having land in the village) |
|--|--------------|------------------|------------|-------------------|------------|--|
| Krishi Vigyan Kendra, Janjgir-Champa(C.G.) | Mehanda      | 2007             | Navagarh   | 10                | 2500       | 600  |
|  |              |                  |            |                   |            |  |

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

| KVK Name             | THRUST AREA (Thrust areas identified though PRA, Survey and other methods.)   |
|----------------------|---|
| Janjgir-Champa(C.G.) | From last few years climatic change is the major threat. Hence, temperature and rainfall pattern should be analyzed at micro level. |
| Janjgir-Champa(C.G.) | Delayed sowing/transplanting of paddy.  |
| Janjgir-Champa(C.G.) | Replacement of sawarna variety with early medium to early duration varieties .  |
| Janjgir-Champa(C.G.) | Introduction and popularization of Hybrid rice.   |
| Janjgir-Champa(C.G.) | Plant protection in paddy.  |
| Janjgir-Champa(C.G.) | Mushroom-cultivation.   |
| Janjgir-Champa(C.G.) | Acceleration seed replacement rate.   |
| Janjgir-Champa(C.G.) | Seed treatment by fungicide .   |
| Janjgir-Champa(C.G.) | Judicious application of major nutrient N:P:K(Cereals 4:2:1 & Pulse 1:2:1 ratio).   |
| Janjgir-Champa(C.G.) | Credit facilities at time.  |
| Janjgir-Champa(C.G.) | Weed management.  |
| Janjgir-Champa(C.G.) | Introduction of SRI method of cultivation.  |
| Janjgir-Champa(C.G.) | Acceleration of farm mechanization.   |
| Janjgir-Champa(C.G.) | Seed village concept.   |
| Janjgir-Champa(C.G.) | Promotion of farming system approach  |
| Janjgir-Champa(C.G.) | Crop intensification.   |

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

| KVK Name             | Problem identified   | Methods of problem identification |
|----------------------|--|-----------------------------------|
| Janjgir-Champa(C.G.) | Although the district is canal irrigated but due to field to field irrigation created lot of water losses and crop diversification, introduction of short duration variety is a difficult job. Delayed sowing /transplanting . Imbalance NPK application .Lack of suitable farm implements' for weeding. Amongst plant protection blast ,steam borer, BPH & BLB respectively . Lack of mushroom spawn. | Personnel contact & PRA.          |

## 2. OFT (conducted during April-March11)

### 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 |  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Crop                    | Assessment of herbicide in direct seeded rice (Ethoysulfuraon (Sunrice 40gm/ac).   | Janjgir1011kCP01                   | Rice                     | 04           | 04       | 2         | 2        | Completed  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Crop                    | Assessment of Tilt (Propiconazole) for Blast disease in rice                       | Janjgir1011kPP02                   | Rice                     | 04           | 04       | 2         | 2        | Completed  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Crop                    | Assessment of <i>Pseudomonas fluorescens</i> for sheath blight management in rice. | Janjgir1011kPP03                   | Rice                     | 04           | 04       | 2         | 2        | Completed  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Crop                    | Assessment of chemical control of Blast disease of rice.                           | Janjgir1011kPP04                   | Rice                     | 04           | 04       | 02        | 02       | Completed  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Crop                    | Assessment of oyster mushroom (Variety Indira sweta) .                             | Janjgir1011kPP05                   | Mushroom                 | 04           | 04       |           |          | Completed  |
| Janjgir-Champa(C.G.) | 2010 | Kharif | Assessment                                       | Enterprise              | Assessment of  | Janjgir1011RFIM6                   | Enterprise               | 04           | 04       | 02        | 02       | Completed  |

|                      |         |        |            |            |  |                  |            |    |    |    |    |           |
|----------------------|---------|--------|------------|------------|--|------------------|------------|----|----|----|----|-----------|
| C.G.)                |         |        |            |            | Tillage Practices by improved farm implement (Tendua Iron Plough).                 |                  |            |    |    |    |    |           |
| Janjgir-Champa(C.G.) | 2010    | Kharif | Assessment | Enterprise | Assessment of bullock drawn baisi implement.                                       | Janjgir1011RFIM7 | Enterprise | 04 | 04 | 02 | 02 | Completed |
| Janjgir-Champa(C.G.) | 2010-11 | Rabi   | Assessment | Crop       | Yield assessment of Oyster mushroom variety (Indira Sweta)                         | Janjgir1011RPP8  | Mushroom   | 4  | 2  |    |    | Completed |
| Janjgir-Champa(C.G.) | 2010-11 | Rabi   | Assessment | Crop       | Assessment of Pseudomonas fluorescence for sheath blight management in Summer rice | Janjgir1011RPP9  | Rice       | 4  | 5  | 2  | 2  | Con       |
| Janjgir-Champa(C.G.) | 2010-11 | Rabi   | Assessment | Crop       | Varietal assessment of Fieldpea against powdery mildew disease                     | Janjgir1011RPP10 | Field pea  | 4  | 5  | 2  | 2  | 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 (T <sub>1</sub> ) | 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 |  |   |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Crop weed competition resulted poor yield and shortage of farm labour.                               | Weed Management  | Baisi & manual weeding              | Alfisols               | Irrigated  | Mid land  | Rice - Utera    | 80,000   | All nine blocks of the district.                        |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Blast disease is a serious problem in the Distt. and lack of knowledge of new fungicides of control. | Plant protection | Application of Mancozeb             | Alfisols, Vertisol     | Irrigated  | Low, Mid and Up land                              | Rice - Utera    | 1,00,000   | All nine blocks of the district.                        |
| Janjgir-Champa (C.G.) | Janjgir1011kP03  | Low yield due to incidence of Sheath blight  | Plant protection | Farmers do not spray any            | Alfisols and Vertisols | Irrigated  | Mid land  | Rice - Utera    | 60,000   | All nine blocks of the district.                        |

|                       |                   |   |                  |                                    |                                     |           |                  |              |          |                                  |
|-----------------------|-------------------|---|------------------|------------------------------------|-------------------------------------|-----------|------------------|--------------|----------|----------------------------------|
|                       |                   | disease and lack of knowledge of bio-fungicide for this disease.  |                  | fungicide                          |                                     |           |                  |              |          |                                  |
| Janjgir-Champa (C.G.) | Janjgir1011kP04   | Use of Tricyclazole is one of the chemical can effectively be used to control Blast in Rice.                                  | Plant protection | Use of Mancozeb or Carbendazim     | Alfisols, Inceptisols and Vertisols | Irrigated | Low and Mid land | Rice - Utera | 1,10,000 | All nine blocks of the district. |
| Janjgir-Champa (C.G.) | Janjgir1011kP05   | Lack of knowledge about High yield & high nutrition quality of Oyster mushroom ( <i>Pleurotus</i> species) var. Indira sweta. | Mushroom         | Farmers grow local strain          |                                     | Irrigated | Farmers house    | Rice - Utera | 700      | All nine blocks of the district. |
| Janjgir-Champa (C.G.) | Janjgir0910R FIM6 | Due to poor tillage practice the field preparation are not good which resulted in poor yield.                                 | FIM              | Farmers used desi plough           | Alfisols                            | Irrigated | Mid land         | Rice-Utera   | 60,000   | All nine blocks of the district. |
| Janjgir-Champa (C.G.) | Janjgir0910R FIM7 | Traditional method of basi resulted in more plant mortality   | FIM              | Farmers used desi plough           | Alfisols                            | Irrigated | Mid land         | Rice-Utera   | 80,000   | All nine blocks of the district. |
| Janjgir-Champa (C.G.) | Janjgir1011R PP8  | Earlier farmers were not aware about mushroom production  | Mushroom         |                                    |                                     |           |                  |              |          |                                  |
| Janjgir-Champa (C.G.) | Janjgir1011R PP9  | Sheath blight is a common problem & farmers has no information about it control   | PP               | Farmers do not spray any fungicide | Alfisols                            | Irrigated | Mid land         | Rice-Utera   | 30,000   | All nine blocks of the district. |
| Janjgir-Champa (C.G.) | Janjgir1011R PP10 | Farmers used local variety  | PP               | Utera cultivation of local variety | Alfisols                            | Irrigated | Mid land         | Rice-Utera   | 80,000   | All nine blocks of the district. |

|                |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|
| Janjgir-Champa |  |  |  |  |  |  |  |  |  |  |
|                |  |  |  |  |  |  |  |  |  |  |

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

| KVK Name             | OFT ID No                        | Details of technology selected (T <sub>2</sub> )  | Source of technology | Year of release of technology | If refinement in the technology, give details of refinement over recommended practices (T <sub>3</sub> ) |
|----------------------|----------------------------------|---|----------------------|-------------------------------|--|
| Janjgir-Champa(C.G.) | <a href="#">Janjgir1011kCP01</a> | Application post emergence herbicide Ethoysulfuraon ( Sunrice 40gm/ac                                 | IGKV, Raipur         | 2009                          | -  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir1011kPP02</a> | Use of tilt @ 0.1 % can reduce the blast in rice  | IGKV, Raipur,        | 2005                          |  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir1011kPP03</a> | A: (1)seed treatment @10g/ kg<br>( 2) Spray 1kg/hac<br>B: control ( FP)                               | IGKV, Raipur         | 2005                          |  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir1011kPP04</a> | Seed treatment by Tricyclazole @ 1 gm per kg of seed + spraying of Tricyclazole @ 0.06 % at PI stage. | IGKV, Raipur         | 2005                          |  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir1011kPP05</a> | High yield & high nutrition quality of Oyster mushroom ( <i>Pleurotus</i> species) var. Indira sweta. | IGKV, Raipur         | 2008                          |  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir0910RFIM6</a> | Ploughing with tendu iron plough resulted good soil tilth.  | IGKV, Raipur         | 2003                          |  |
| Janjgir-Champa(C.G.) | <a href="#">Janjgir0910RFIM7</a> | Bullock drawn basi implement assisted in energy saving as well as less plant mortality                | IGKV, Raipur         | 2003                          |  |
| Janjgir              | <a href="#">Janjgir1011RPP8</a>  | High yield & high nutrition quality of Oyster mushroom ( <i>Pleurotus</i> species) var. Indira sweta. | IGKV, Raipur         | 2005                          |  |
| Janjgir              | <a href="#">Janjgir1011RPP9</a>  | A: (1)seed treatment @10g/ kg<br>( 2) Spray 1kg/hac<br>B: control                                     | IGKV, Raipur         | 2005                          |  |



|         |                  |   |              |      |  |
|---------|------------------|---|--------------|------|--|
| Janjgir | Janjgir1011RPP10 | Varietal assessment of fieldpea against powdery mildew disease. | IGKV, Raipur | 2005 |  |
|---------|------------------|---|--------------|------|--|

## 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 (T <sub>1</sub> )                                 | Recommended Practice (T <sub>2</sub> )                              | Refined Practice, if any (T <sub>3</sub> ) | Unit of measurement             | Farmer's Practice (T <sub>1</sub> ) | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Yield ,Q/ha         | Yield = 32.47 q/ha  | Yield = 36.68q/ha   |  | straw yield Q/ha                | 38.4                                | 42.8                                   | -  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Yield ,Q/ha         | Yield = 36.87   | Yield =52.5   |  | Disease severity %              |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Yield ,Q/ha         | Incomplete but this OFT is again taken and completed in rabi season | Incomplete but this OFT is again taken and completed in rabi season |  |                                 |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Yield ,Q/ha         | Yield = 36.12   | Yield = 50.32   |  | Disease severity %              |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP05 | Yield               | Yield = 465 g/bag   | Yield = 685 g/bag (1 kg Paddy straw of 1 bag)                       |  | 1 kg Paddy straw of 1 bag yield |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir0910RFIM6 | Yield ,Q/ha         | Yield = 32.95 q/ha  | Yield = 36.37 q/ha  |  | straw yield Q/ha                | 35.75                               | 38.80                                  |  |
| Janjgir-Champa (C.G.) | Janjgir0910RFIM7 | Yield ,Q/ha         | Yield = 37.14 q/ha  | Yield = 42.18 q/ha  |  | straw yield Q/ha                | 40.07                               | 46.39                                  |  |
| Janjgir-Champa (C.G.) | Janjgir1011RPP8  | Yield               | Results awaited   | Results awaited   |  | straw yield Q/ha                |                                     |  |  |
| Janjgir               | Janjgir1011RPP9  | Yield ,Q/ha         | Results awaited   | Results awaited   |  | Disease severity %              |                                     |  |  |
| Janjgir               | Janjgir1011RPP10 | Yield ,Q/ha         | Results awaited   | Results awaited   |  | Disease severity %              |                                     |  |  |

## B. Parameters

| KVK Name              | OFT ID            | Observations taken on parameter I |  |                                     |  |  | Observations taken on parameter II |                     |                                     |  |  |
|-----------------------|-------------------|-----------------------------------|--|-------------------------------------|--|--|------------------------------------|---------------------|-------------------------------------|--|--|
|                       |                   | Parameter name                    | Unit of measurement                            | Farmer's Practice (T <sub>1</sub> ) | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | Parameter name                     | Unit of measurement | Farmer's Practice (T <sub>1</sub> ) | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) |
| Janjgir-Champa (C.G.) | Janjgir1011kC P01 | Weed population                   | Per meter sq                                   | 36                                  | 13                                     |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kP P02 | Disease Intensity %               | No. of Infected plants/sq.M                    | 44.00                               | 21.96                                  |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03  | Disease Intensity %               | No. of Infected plants/sq.M                    |                                     |  |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04  | Disease Intensity %               | No. of Infected plants/sq.M                    | 43.00                               | 17.57                                  |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP05  | Yield                             | Gram per bag yield (1 kg Paddy straw of 1 bag) | 465                                 | 685                                    |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir0910RFIM6  | Sample weight                     | gm   | 2.55                                | 2.82                                   |  |                                    |                     |                                     |  |  |
| Janjgir-Champa (C.G.) | Janjgir0910RFIM7  | Plant mortality                   | %  | 34.75                               | 21.5                                   |  |                                    |                     |                                     |  |  |
| Janjgir               | Janjgir1011RPP8   | Yield                             | Gram per bag yield (1 kg Paddy straw of 1 bag) | Result awaited                      |  |  |                                    |                     |                                     |  |  |
| Janjgir               | Janjgir1011RPP9   | Disease severity %                | No. of Infected plants/sq.M                    | Result awaited                      |  |  |                                    |                     |                                     |  |  |
| Janjgir               | Janjgir1011RPP10  | Disease severity %                | No. of Infected plants/sq.M                    | Result awaited                      |  |  |                                    |                     |                                     |  |  |

### 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) |  |  |
|----------------------|------------------|---|--|--|-------------------------------------|--|--|-------------------------------------|--|--|--|--|--|
|                      |                  | Farmer's Practice (T <sub>1</sub> )                                 | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | Farmer's Practice (T <sub>1</sub> ) | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | Farmer's Practice (T <sub>1</sub> ) | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) | Farmer's Practice (T <sub>1</sub> )            | Recommended Practice (T <sub>2</sub> ) | Refined Practice, if any (T <sub>3</sub> ) |
| Janjgir-Champa(C.G.) | Janjgir1011kCP01 | 21250   | 23000                                  |  | 340201.6                            | 38535                                  |  | 12700                               | 15535                                  |  | 1.6  | 1.7                                    |  |
| Janjgir-Champa(C.G.) | Janjgir1011kPP02 | 17650   | 19225                                  |  | 36,875/-                            | 52,500/-                               |  | 19,375/-                            | 33,275/-                               |  | 2.10   | 2.73                                   |  |
| Janjgir-Champa(C.G.) | Janjgir1011kPP03 | Incomplete but this OFT is again taken and completed in rabi season |  |  |                                     |  |  |                                     |  |  |  |  |  |
| Janjgir-Champa(C.G.) | Janjgir1011kPP04 | 17660   | 19500                                  |  | 36,124/-                            | 50,324/-                               |  | 18,464/-                            | 30,824/-                               |  | 2.07   | 2.59                                   |  |
| Janjgir-Champa(C.G.) | Janjgir1011kPP05 | 290/- (in 10 kg paddy straw)  | 341/-                                  |  | 598/- (in 10 kg paddy straw)        | 885/- (in 10 kg paddy straw)           |  | 290/- (in 10 kg paddy straw)        | 559/- (in 10 kg paddy straw)           |  | 1.94   | 2.71                                   |  |
| Janjgir-Champa(C.G.) | Janjgir0910RFIM6 | 16100   | 16600                                  |  | 34602.75                            | 38196.37                               |  | 18502.75                            | 21596.37                               |  | 2.1  | 2.3                                    |  |
| Janjgir-Champa(C.G.) | Janjgir0910RFIM7 | 16400   | 16800                                  |  | 39004.88                            | 39004.8                                |  | 22804.88                            | 27494.29                               |  | 2.37   | 2.64                                   |  |
|                      |                  |   |  |  |                                     |  |  |                                     |  |  |  |  |  |

### 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 |
| Janjgir-Champa(C.G.) | Janjgir1011kCP01 | Due to less weeds population crop condition is good & farmers appreciated the effect of | The different combination of plant protection materials should be | Field visit & training                              | The herbicide should be available at right time. | 2   | 4         | 6      | 1            |



## 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 |      |                |                |                |
|-----------------------|------------------|-----------------------|---|----------------|----------------|--------------------|----------------|----------------|---------------------------------|------|----------------|----------------|----------------|---------------------------------|------|----------------|----------------|----------------|
|                       |                  |                       | T <sub>1</sub>  | T <sub>2</sub> | T <sub>3</sub> | T <sub>1</sub>     | T <sub>2</sub> | T <sub>3</sub> | Parameter name                  | Unit | T <sub>1</sub> | T <sub>2</sub> | T <sub>3</sub> | Parameter name                  | Unit | T <sub>1</sub> | T <sub>2</sub> | T <sub>3</sub> |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Shri Laxmi patel      | 2978  | 3541           |                |                    |                |                | Weed population/met             | Num  | 45             | 15             |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Shri Siru Yadav       | 3430  | 3732           |                |                    |                |                | Weed population/met             | Num  | 31             | 13             |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Shri K P Thawaiate    | 3428  | 4125           |                |                    |                |                | Weed population/met             | Num  | 28             | 7              |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kCP01 | Shri Amit Thawaiate   | 3152  | 3274           |                |                    |                |                | Weed population/met             | Num  | 22             | 20             |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Shri Ramprem Sahu     | 375   | 525            |                |                    |                |                | Disease Intensity               | %    | 54.54          | 30.30          |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Shri Ramdayal Kashyap | 350   | 562.5          |                |                    |                |                | Disease Intensity               | %    | 51.51          | 24.24          |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Shri Ashok Yadav      | 400   | 562.5          |                |                    |                |                | Disease Intensity               | %    | 24.24          | 15.15          |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP02 | Shri Ramlal Kashyap   | 350   | 450            |                |                    |                |                | Disease Intensity               | %    | 45.45          | 18.18          |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Shri Bajrang Sahu     | Incomplete but this OFT is again taken and completed in rabi season |                |                |                    |                |                | Disease Intensity               | %    | Incomplete     | Incomplete     |                |                                 |      |                |                |                |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Shri Sandeep Tiwari   |   |                |                |                    |                |                | Disease Intensity               | %    | Incomplete     | Incomplete     |                |                                 |      |                |                |                |

|                       |                  |                         |                                      |                                       |  |    |    |                   |                                   |            |            |  |  |  |  |  |  |
|-----------------------|------------------|-------------------------|--------------------------------------|---------------------------------------|--|----|----|-------------------|-----------------------------------|------------|------------|--|--|--|--|--|--|
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Shri Gorelal Sahu       |                                      |                                       |  |    |    | Disease Intensity | %                                 | Imcomplete | Imcomplete |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Shri Ummedram Sahu      |                                      |                                       |  |    |    | Disease Intensity | %                                 | Imcomplete | Imcomplete |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP03 | Shri Sukhsagar Kashyap  | RA                                   | RA                                    |  | RA | RA | Disease Intensity | %                                 | Imcomplete | Imcomplete |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Shri Ramnarayan Kashyap | 350                                  | 500                                   |  |    |    | Disease Intensity | %                                 | 36.36      | 18.18      |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Shri Sukhsagar Kashyap  | 320                                  | 435                                   |  |    |    | Disease Intensity | %                                 | 42.42      | 15.15      |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Shri Mohitram Bareth    | 431.2                                | 618.7                                 |  |    |    | Disease Intensity | %                                 | 42.42      | 21.21      |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Shri Shivkumar Tiwari   | 375                                  | 562.5                                 |  |    |    | Disease Intensity | %                                 | 36.36      | 15.15      |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP04 | Shri Sandeep Tiwari     | 330                                  | 400                                   |  |    |    | Disease Intensity | %                                 | 42.42      | 18.18      |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP05 | Shri Parmeshwer Patel   | 450 g/bag(1 kg Paddy straw of 1 bag) | 650 g/bag (1 kg Paddy straw of 1 bag) |  |    |    | Yield             | g/bag (1 kg Paddy straw of 1 bag) | 450 g/bag  | 650 g/bag  |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP05 | Shri Devendra Pandey    | 400 g/bag(1 kg Paddy straw of 1 bag) | 750 g/bag                             |  |    |    | Yield             | g/bag (1 kg Paddy straw of 1 bag) | 400 g/bag  | 750        |  |  |  |  |  |  |
| Janjgir-Champa (C.G.) | Janjgir1011kPP05 | Shri Hari Pandey        | 500 g/bag(1 kg Paddy straw of 1      | 700 g/bag                             |  |    |    | Yield             | g/bag (1 kg Paddy straw of 1 bag) | 500        | 700        |  |  |  |  |  |  |



### 3. Achievements of Frontline Demonstrations (conducted during 1-04-2009 to 31-03-2010)

(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/<br>Enterprise | Thematic<br>Area | Technology<br>demonstrated  | Details of popularization methods<br>suggested to the Extension system       | Horizontal spread of technology |                   |               |
|--------------------|---------------------|------------------|---|--|---------------------------------|-------------------|---------------|
|                    |                     |                  |   |  | No. of<br>villages              | No. of<br>farmers | Area<br>in ha |
| Janjgir-<br>Champa | Crop                | INM              | Line sowing,<br>Improved varieties<br>and balance fertilizer<br>application | Training , Local news paper<br>and incorporation in district<br>action plan. | 12                              | 150               | 62            |
|                    |                     |                  |   |  |                                 |                   |               |
|                    |                     |                  |   |  |                                 |                   |               |
|                    |                     |                  |   |  |                                 |                   |               |

#### 3.2 Details of FLDs implemented

| KVK<br>Name        | Type<br>(Crop/<br>Enterprise<br>) | Name of<br>Crop/<br>Enterprise | Categor<br>y of<br>crops* | Category<br>of<br>Enterpris<br>e** | Season and<br>year | Thematic<br>area | Area<br>(ha) in<br>case of<br>crop | No. of<br>Units, in<br>case of<br>Enterpris<br>e | Size of<br>Unit in<br>case of<br>Enterpris<br>e | No. of farmers |    |     |        |       |
|--------------------|-----------------------------------|--------------------------------|---------------------------|------------------------------------|--------------------|------------------|------------------------------------|--|---|----------------|----|-----|--------|-------|
|                    |                                   |                                |                           |                                    |                    |                  |                                    |  |   | SC             | ST | OBC | Others | Total |
| Janjgir-<br>Champa | Crop                              | Arhar                          | Pulse                     |                                    | Kharif 2010        | CP               | 05                                 |  |   | 00             | 00 | 05  | 06     | 12    |
| Janjgir-<br>Champa | Crop                              | Til                            | Oilseed                   |                                    | Kharif 2010        | CP               | 05                                 |  |   | 00             | 00 | 00  | 11     | 11    |
| Janjgir-<br>Champa | Crop                              | Rice                           | Cereal                    |                                    | Kharif 2010        | CP               | 05                                 |  |   | 00             | 00 | 06  | 02     | 08    |
| Janjgir-<br>Champa | Crop                              | gram                           | Pulse                     |                                    | Rabi-2010-11       | CP               | 08                                 |  |   | 03             | 02 | 13  | 01     | 19    |
| Janjgir-<br>Champa | Crop                              | MUst<br>ered                   | Oils                      |                                    | Rabi-2010-11       | CP               | 05                                 |  |   | 03             | 00 | 08  | 00     | 11    |
| Janjgir-<br>Champa | Crop                              | Whea<br>t                      | cerea<br>l                |                                    | Rabi-2010-11       | CP               | 06                                 |  |   | 00             | 00 | 06  | 08     | 14    |

\* 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/Upland) | 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      |                              |              |                        |                   |  |
| Janjgir-Champa | Arhar                   | Irrigated                             | Inceptisols | Upland   | Earlier rice based | Fallow         | Low                    | Medium | Medium | Third week of July           |              | 1210                   | 63                | Complete   |
| Janjgir-Champa | Til                     | Irrigated                             | Inceptisols | Upland   | Earlier rice based | Fallow         | Low                    | Medium | Medium | 4 <sup>th</sup> week of July |              | 1110                   | 59                | Complete   |
| Janjgir-Champa | Rice                    | Irrigated                             | Alfisol     | Mid land                                       | Earlier rice based | Fallow         | Medium                 | Medium | High   | Last week of July            |              | 1110                   | 59                | Complete   |
| Janjgir-Champa | Wheat                   | Irrigated                             | Alfisol     | Mid land                                       | Earlier rice based | Fallow         | Medium                 | Medium | High   | Last week of December        |              | 1265                   | 65                | Incomplete   |
| Janjgir-Champa | Gram                    | Irrigated                             | Alfisol     | Mid land                                       | Earlier rice based | Fallow         | Medium                 | Medium | High   | Last week of December        |              | 1265                   | 65                | Incomplete   |
| Janjgir-Champa | Mustard                 | Irrigated                             | Alfisol     | Mid land                                       | Earlier rice based | Fallow         | Medium                 | Medium | High   | Last week of December        |              | 1265                   | 65                | Incomplete   |





### 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 |
|                |                         | 24                                  | 25          | 26                           | 27          | 28                         | 29          | 30   | 31          |
| Janjgir-Champa | Arhar                   | 14500                               | 11275       | 35150                        | 25160       | 20650                      | 13885       | 2.4  | 2.2         |
| Janjgir-Champa | Til                     | 9500                                | 8200        | 25200                        | 15960       | 15700                      | 7760        | 2.6  | 1.9         |
| Janjgir-Champa | Rice                    | 19800                               | 17500       | 46200                        | 37800       | 26400                      | 20300       | 2.3  | 2.1         |
| Janjgir-Champa | Wheat                   | 14250                               | 12536       | 24100                        | 19600       | 9850                       | 7064        | 1.6  | 1.5         |
| Janjgir-Champa | Gram                    | 9527                                | 8245        | 19500                        | 12000       | 9973                       | 3755        | 2.0  | 1.4         |
| Janjgir-Champa | Mustard                 | 8241                                | 6563        | 13000                        | 8750        | 4759                       | 2187        | 1.5  | 1.3         |
|                |                         |                                     |             |                              |             |                            |             |  |             |

### 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 |
|----------------|---------|--------|---------------------------------------|----------------------------|--------------------------------|-------------------|---|--|--|
| Janjgir-Champa | Arhar   | Kharif | Component                             | Seed                       | Plant protection & Fertilizer  | Rainfed           | 9.5                                     | 6.8                                    | 39   |
| Janjgir-Champa | Til     | Kharif | Component                             | Seed                       | Plant protection & Fertilizer  | Rainfed           | 5.0                                     | 3.2                                    | 57   |
| Janjgir-Champa | Rice    | Kharif | Full package                          | Seed                       | Fertilizer & PP                | Irrigated         | 44                                      | 36                                     | 22   |
| Janjgir-Champa | Wheat   | Rabi   | Full package                          | Seed                       | Fertilizer & PP                | Irrigated         | 21                                      | 16                                     | 31   |
| Janjgir-Champa | Gram    | Rabi   | Full package                          | Seed                       | Fertilizer & PP                | Irrigated         | 6.5                                     | 4.0                                    | 62   |
| Janjgir-Champa | Mustard | Rabi   | Full package                          | Seed                       | Fertilizer & PP                | Irrigated         | 5.2                                     | 3.5                                    | 48   |
|                |         |        |                                       |                            |                                |                   |   |  |  |

### 3.7 Technical Feedback on the demonstrated technologies

| KVK Name       | Crop  | Demonstrated Technology | Village                  | Block Name                 | Feed Back   |
|----------------|-------|-------------------------|--------------------------|----------------------------|---|
| Janjgir-Champa | Arhar | Certified Seed          | Durkot, Balowda, pamgarh | Nawagarh, Balowda, Pamgarh | Till date when crop is on early reproductive stage farmers convinced to adopt and disseminate the variety in larger area .Further , simultaneously Farmers desired for short duration , insect and disease resistant high yielding varieties. |
| Janjgir-Champa | Til   | Certified Seed          | Pudishankar              | Bhabnidih                  | Farmers are interested to adopt the variety if seed should be available in first fortnight of june.   |
| Janjgir-       | Rice  | Certified Seed          | Sarkho, Jajang,          | Nawagarh                   | Farmers liked the variety   |



\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\*  $BCR = \text{GROSS RETURN} / \text{GROSS COST}$

### **IMPORTANT INSTRUCTION**

- 1. Do not modify/add/delete the column of the tables. If you want to give additional information, please attached separate sheet as annexure.**
- 2. Do not modify/delete the text written on grey colored background columns in tables otherwise information of your KVK will not be accepted by the database of our Directorate.**
- 3. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 4. Column No. 1 is reserved for name of the KVK (District name). Write your KVK name in every row (do not leave blank the column No. 1 for any of the row).**
- 5. Please do not write unit or text in "Green" Coloured cell. Write only numerical figures here.**

# **FORMAT 2 – STAFF POSITION, TRAININGS, EXTENSION ACTIVITIES**

**REPORTING PERIOD – 1<sup>st</sup> October, 2009 to 31<sup>st</sup> March, 2010**

## **IMPORTANT INSTRUCTION**

- 6. Do not modify/add/delete the column of the tables. If you want to give additional information, please attached with separate sheet as annexure.**
- 7. Do not modify/delete the text written on grey colored background columns in tables otherwise information of your KVK will not be accepted by the database of our Directorate.**
- 8. Training on additional Topics can be added or replaced under OTH Thematic Code in Table T1 (written in blue colored text).**
- 9. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 10. Column No. 1 is reserved for name of the KVK (District name). Write your KVK name in every row (do not leave blank the column No. 1 for any of the row).**
- 11. Please do not write unit or text in "Green Coloured cell". Write only numerical figures.**

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



## 1. Staff Position (as on 31, March 2011)

| Name of KVK.   | Sanctioned post             | Name of the incumbent     | Discipline                   | Highest degree                    | Subject of Specialization    | Pay Scale (Rs.)  | Present basic (Rs.) | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/ Others) |
|----------------|-----------------------------|---------------------------|------------------------------|-----------------------------------|------------------------------|------------------|---------------------|-----------------|----------------------|------------------------------|
| Janjgir-Champa | Programme Coordinator       | Dr.R.N.Sharma             | Ag. Extension                | Phd in Ag. Extension              | Ag. Extension                | 39690-9000-48690 | 56460               | 29/9/04         |                      | GEN                          |
| Janjgir-Champa | Subject Matter Specialist1  | Shri Manish Kuma          | Agronomy                     | Msc(Ag)Agronomy                   | Agronomy                     | 15600-6000-21600 | 25050               | 7/05/05         |                      | GEN                          |
| Janjgir-Champa | Subject Matter Specialist2  | Shri Nitin Kumar Toorray  | Plant Pathology              | Msc(Ag) Plant Pathology           | Plant Pathology              | 8000-275-13500   | 8000                | 26/10/07        |                      | OBC                          |
| Janjgir-Champa | Subject Matter Specialist3  | Shri Smir Shantaiya       | Farm Implements and Machines | Mtch Farm Implements and Machines | Farm Implements and Machines | 8000-275-13500   | 8000                | 27/10/07        |                      | SC                           |
| Janjgir-Champa | Subject Matter Specialist4  | Vacant                    | Horticulture                 |                                   | Horticulture                 |                  |                     |                 |                      |                              |
| Janjgir-Champa | Subject Matter Specialist5  | Vacant                    | Fisheries                    |                                   | Fisheries                    |                  |                     |                 |                      |                              |
| Janjgir-Champa | Subject Matter Specialist6  | Vacant                    | H .Science                   |                                   | H .Science                   |                  |                     |                 |                      |                              |
| Janjgir-Champa | Programme Assistant         | Vacant                    | Entomology                   |                                   | Entomology                   |                  |                     |                 |                      |                              |
| Janjgir-Champa | Farm Manager                | Shri Ashutosh Shrivastava | Agronomy                     | Msc(Ag)Agronomy                   | Agronomy                     | 5500-175-9000    | 5500/-              | 26/02./08       |                      | GEN                          |
| Janjgir-Champa | Computer Programmer         | Vacant                    |                              |                                   |                              |                  |                     |                 |                      |                              |
| Janjgir-Champa | Accountant / superintendent | R.K.Pandey                |                              |                                   |                              | 4000-6000        | 4900/-              | 17/8/05         |                      | GEN                          |
| Janjgir-Champa | Stenographer                | Vacant                    |                              |                                   |                              |                  |                     |                 |                      |                              |
| Janjgir-Champa | Driver                      | Vacant                    |                              |                                   |                              |                  |                     |                 |                      |                              |
| Janjgir-Champa | Driver                      | Vacant                    |                              |                                   |                              |                  |                     |                 |                      |                              |
| Janjgir-Champa | Supporting staff            | R.P.Tandon                |                              |                                   |                              | 2550-3200        | 2720/-              | 10/2/06         |                      | SC                           |
| Janjgir-       | Supporting staff            | S.R.Sahu                  |                              |                                   |                              | 2550-            | 2720/-              | 10.2.06         |                      | OBC                          |

























| Name of KVK | Category | Training Type | Theme code | Sub-theme   | No. of Courses (Targeted) | No. of Courses (Achieved) | Duration (Days) | Participants |    |    |    |        |    |
|-------------|----------|---------------|------------|---|---------------------------|---------------------------|-----------------|--------------|----|----|----|--------|----|
|             |          |               |            |   |                           |                           |                 | SC           |    | ST |    | Others |    |
|             |          |               |            |   |                           |                           |                 | M            | F  | M  | F  | M      | F  |
| 1           | 2        | 3             | 4          | 5   | 6                         | 7                         | 8               | 9            | 10 | 11 | 12 | 13     | 14 |
| Janjgir     | IS       | OFC           | EXP        | Productivity enhancement in field crops               | 2                         | 5                         | 2               | 18           | 0  | 6  | 0  | 176    | 10 |
| Janjgir     | IS       | OFC           | EXP        | Integrated Pest Management                            |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Integrated Nutrient management                        |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Rejuvenation of old orchards                          |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Protected cultivation technology                      |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Formation and Management of SHGs                      |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Group Dynamics and farmers organization               |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Information networking among farmers                  |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Capacity building for ICT application                 |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Care and maintenance of farm machinery and implements |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | WTO and IPR issues                                    |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Management in farm animals                            |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Livestock feed and fodder production                  |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Household food security                               |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Women and Child care                                  |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Low cost and nutrient efficient diet designing        |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Production and use of organic inputs                  |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Gender mainstreaming through SHGs                     |                           |                           |                 |              |    |    |    |        |    |
| Janjgir     | IS       | OFC           | EXP        | Others (Please specify)                               |                           |                           |                 |              |    |    |    |        |    |

**Table 3.2.** 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  |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management  | Field to field irrigation in command area its related problems | 7                           | 05                      | 00 | 02 | 00 | 43     | 00 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management  | Field to field irrigation in command area its related problems | 7                           | 07                      | 02 | 01 | 00 | 37     | 3  |
| Janjgir-Champa | Judicious uses of water                  | Water Management  | Field to field   | 7                           | 12                      | 06 | 2  | 00 | 20     | 16 |

|                |  |                             |  |   |    |    |    |    |    |    |
|----------------|--|-----------------------------|--|---|----|----|----|----|----|----|
|                | in agriculture .                         |                             | irrigation in command area its related problems                |   |    |    |    |    |    |    |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management            | Field to field irrigation in command area its related problems | 7 | 12 | 6  | 2  | 00 | 20 | 16 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management            | Field to field irrigation in command area its related problems | 7 | 05 | 04 | 0  | 0  | 28 | 13 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management            | Field to field irrigation in command area its related problems | 7 | 04 | 00 | 00 | 00 | 46 | 00 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management            | Field to field irrigation in command area its related problems | 7 | 12 | 00 | 02 | 00 | 36 | 00 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Water Management            | Field to field irrigation in command area its related problems | 7 | 04 | 00 | 00 | 00 | 46 | 00 |
| Janjgir-Champa | Judicious uses of water in agriculture . | Farm Implements (Ag. Engg.) | Field to field irrigation in command area its related problems | 6 | 02 | 00 | 00 | 00 | 18 | 00 |

**Table 3.3. 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 else where |
|-------------|----------------|------------------------------|-----------------|----------------------------|---------------------------------------|
|             |                | Type of units                | Number of units | Number of persons employed |                                       |
|             |                |                              |                 |                            |                                       |
|             |                |                              |                 |                            |                                       |
|             |                |                              |                 |                            |                                       |

**Table 3.4. Sponsored Training Programmes**

| Name of KVK | Title | Thematic area (as | Sub-theme | Client | Dura- | No. of | No. of Participants | Sponsoring | Fund |
|-------------|-------|-------------------|-----------|--------|-------|--------|---------------------|------------|------|
|-------------|-------|-------------------|-----------|--------|-------|--------|---------------------|------------|------|

|                |   | given in abbreviation table) | (as per column no 5 of Table T1) | (FW/R/IS) | tion (days) | courses | Others |    | SC |    | ST |    | Agency                  | received for training (Rs.) |
|----------------|---|------------------------------|----------------------------------|-----------|-------------|---------|--------|----|----|----|----|----|-------------------------|-----------------------------|
|                |   |                              |                                  |           |             |         | M      | F  | M  | F  | M  | F  |                         |                             |
| Janjgir-Champa | Selection of suitable Farm Implements and their maintenance | FIM                          |                                  | RY        | 02          | 1       | 31     | 00 | 10 | 00 | 06 | 00 | DDAE,Bilaspur           |                             |
| Janjgir-Champa | Training on entrepreneurship                                | Oth                          |                                  | PF        | 01          | 1       | 25     | 00 | 15 | 00 | 00 | 00 | Arti, Ambedkar Nagar (U |                             |
| Janjgir-Champa | Training on balance fertilizer application                  | INM                          |                                  | PF        | 01          | 1       | 40     | 00 | 06 | 00 | 04 | 00 | NFL                     |                             |
| Janjgir-Champa | Training on entrepreneurship                                | CP,FIM, PP                   |                                  | FW        | 03          | 05      | 07     | 00 | 03 | 00 | 08 | 00 | DDA, Korba              |                             |

#### 4. Evaluation/Follow 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<br>1. Area expanded (ha)<br>2. No. of farmers adopted (no.)<br>3. % change in knowledge, production & Income |
|----------------|---------------------------------------|-----------------|-----------------------------|-------|-----------------------------|--------------------------|-----------------------|----------------|--|
|                |                                       |                 | Before                      | After | Before                      | After                    | Before                | After          |  |
| Janjgir-Champa | Crop production ,INM& Weed management | 12              | 45                          | 62    | 32                          | 45                       | 25000                 | 38000          | 1.Area 150<br>2.175<br>3 37 %  |
| Janjgir-Champa | Improved farm implements              | 750             | 42                          | 53    | 32                          | 43                       | below 27000           | Above 35000    | 1.Area 60<br>2. more than 200<br>3. 20   |
| Janjgir-Champa | Plant Protection                      | 300             | 28                          | 45    | 26                          | 34                       | 25000                 | 35000          | 1. 120<br>2. 180<br>3. 60  |
| Janjgir-Champa | Mushroom cultivation                  | 150             | 10                          | 30    | 300 g per kg paddy straw    | 700 g per kg paddy straw | 30 Rs. per bag        | 70 Rs .per bag | 1. 50<br>2 . 25<br>3. 66   |

**NOTE: This exercise should be conducted by using/developing suitable well-structured questionnaire/ interview schedule implemented to the beneficiaries only.**

## 5. EXTENSION ACTIVITIES

| Name of the KVK | 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  |  |            |             |
| Janjgir-Champa  | Field Day                              |                              |                              |                        |     |                 |     |                     |    |  |            |             |
| Janjgir-Champa  | Kisan Mela                             | 4                            | 4                            | 1100                   | 450 | 750             | 250 | 100                 | 25 | To disseminate the recent technology to the district people. | CP,FIM &PP |             |
| Janjgir         | Kisan Ghosthi                          | 3                            | 3                            | 195                    | 28  | 60              | 15  | 10                  | 2  |  |            |             |
| Janjgir         | Exhibition                             |                              |                              |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Film Show                              | 25                           | 25                           | -                      | -   |                 |     |                     |    |  |            |             |
| Janjgir         | Method Demonstrations                  | 4                            | 6                            | 125                    | 110 | 25              | 5   | 10                  | 2  |  |            |             |
| Janjgir         | Farmers Seminar                        | 2                            | 2                            | 60                     | 0   | 15              | 3   | 6                   | 1  |  |            |             |
| Janjgir         | Workshop                               |                              |                              |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Group meetings                         | 8                            | 12                           | 275                    | 58  | 42              | 21  | 12                  | 5  |  |            |             |
| Janjgir         | Lectures delivered as resource persons | 2                            | 4                            |                        |     |                 |     | 82                  | 0  |  |            |             |
| Janjgir         | Newspaper coverage                     | 20                           | 30                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Radio talks                            | 12                           | 14                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | TV talks                               | 4                            | 5                            |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Popular articles                       | 12                           | 18                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Extension Literature                   | 2                            | 4                            |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Farm advisory Services                 | 5                            | 10                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Scientific visit to farmers field      | 10                           | 16                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Farmers visit to KVK                   | 450                          | 450                          |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Diagnostic visits                      | 6                            | 12                           |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Exposure visits                        |                              |                              |                        |     |                 |     |                     |    |  |            |             |
| Janjgir         | Ex-trainees Sammelan                   | 2                            | 3                            | 29                     | 6   | 16              | 3   | 6                   | 3  |  |            |             |
| Janjgir         | Soil health Camp                       | 4                            | 12                           | 336                    | 47  | 82              | 19  | 24                  | 6  |  |            |             |





# FORMAT 3- MISCELLANEOUS ACTIVITY

**REPORTING PERIOD – April , 2010 to March, 2011**

| KVK Name        | Type            | Title  | Authors name   | Number of copies |
|-----------------|-----------------|--|--|------------------|
| Janjgir -Champa | Popular article | Harvesting of utera crops and safe storage of grains-,Jajalwaya, p.n 47 , April 10.  | Samir Shantayia  |                  |
| Janjgir -Champa | Popular article | Medagasker method of paddy cultivation for bamper yield .,Jajalwaya, p.n 50 -51, April 10.   | M.Kumar  |                  |
| Janjgir -Champa | Popular article | “मिट्टीजनित रोगों का नियंत्रण” (2010) । <i>कृषक श्रृंखला</i> , माह-अप्रैल, वर्ष- 07 अंक-4, पृ. क्र. 19-20.   | नितिन कुमार तुर्रे, शरद सराफ एवं आर. एन. शर्मा                                     |                  |
| Janjgir -Champa | Popular article | “रासायनिक कीटनाशकों के दुष्प्रभाव” (2010) । <i>कृषक श्रृंखला</i> , माह-अप्रैल, वर्ष-07, अंक-4, पृ. क्र. 38-40.   | शरद सराफ एवं नितिन कुमार तुर्रे  |                  |
| Janjgir -Champa | Popular article | “गन्ने के महत्वपूर्ण कीट एवं उनका नियंत्रण” (2010) । <i>सुंदर सुभेष</i> , माह- अप्रैल, वर्ष - 02, अंक -4, पृ. क्र. 35-37.  | मनोज चन्द्राकर, आशुतोष श्रीवास्तव एवं नितिन कुमार तुर्रे                           |                  |
| Janjgir -Champa | Popular article | “सब्जियों में कीटों से होने वाली क्षति एवं उनकी रोकथाम” (2010) । <i>भूमि निर्माण</i> , माह- अप्रैल, वर्ष - 14, अंक -3, पृ. क्र. 3.   | मनोज चन्द्राकर, नितिन कुमार तुर्रे एवं आर. एन. शर्मा                               |                  |
| Janjgir -Champa | Popular article | “कृषि कार्यो द्वारा फसलों को बीमारियों से बचाने के लिये उपयोगी प्रबंधन” (2010) । <i>इंदिरा किसान मितान</i> , कृषि विज्ञान केन्द्र, जांजगीर-चांपा, अप्रैल-जून, अंक-8, पृ. क्र. 1. | नितिन कुमार तुर्रे, मनीष कुमार, समीर शान्तैया, आशुतोष श्रीवास्तव एवं आर. एन. शर्मा |                  |
| Janjgir -Champa | Popular article | “ पौध संरक्षण यंत्रों का रखरखाव कैसे करें (2010) । <i>इंदिरा किसान मितान</i> , कृषि विज्ञान केन्द्र, जांजगीर-चांपा, अप्रैल-जून, अंक-8, पृ. क्र. 3.                               | समीर शान्तैया, नितिन कुमार तुर्रे, आशुतोष श्रीवास्तव एवं आर. एन. शर्मा             |                  |

|                 |                            |  |   |  |
|-----------------|----------------------------|--|---|--|
| Janjgir -Champa | Popular article            | 'आपके हाथों में है रोग नियंत्रण' (2010).   <i>कृषक जगत</i> , 7-13 जून 2010, वर्ष -64, अंक 38, पृष्ठ क्रमांक -18.   | नितिन कुमार तुरे  |  |
| Janjgir -Champa | Popular article            | फसलों को रोग मुक्त रखने का आसान तरीका' (2010).   <i>कृषक जगत</i> , 7-13 जून 2010, वर्ष -64, अंक 38, पृष्ठ क्रमांक -14.   | समीर शान्तैया एवं आर. एन. शर्मा                           |  |
| Janjgir -Champa | Research paper             | Studies on climate change and its impact on summer rice productivity in Janjgir-champa district of Chhattisgarh(2010) . National Seminar on Agriculture and Global Warming: Challenges & potential, PN 64.           | R N Sharma, Ashutosh Shrivastava & Samir Shantaiya        |  |
| Janjgir -Champa | Research paper             | Nutrient uptake of tomato F1 hybrid avinash -2 as affected by irrigation methods & micronutrients (2010) . National Seminar on Agriculture and Global Warming: Challenges & potential, PN 74.                        | B.Agrawal ,Ashutosh Shrivastava & R N Sharma              |  |
| Janjgir -Champa | Popular article            | Saghan dan pranali sey labh he labh (2010), <i>Krishi World</i> , May – July , Vol.3 ,Year 4 , PN .14-16   | A Shrivastava, N .K Toorray , M .Chandraker & R.N. Sharma |  |
| Janjgir -Champa | Popular article            | Mrida janit Roag awam roktham key upay (2010) . <i>Krishi World</i> , May –July , Vol.3 ,Year 4 , PN .27   | R.Danteray , N K Toorray & K P Verma                      |  |
| Janjgir -Champa | Popular article            | Importance of Akarash Joutiye (2010), <i>Chhattisgarh Kheti</i> , Year 17,Vol -2 & Page No 18  | Samir Shantayia   |  |
| Janjgir -Champa | Popular article            | STUDY ON EFFECTIVENESS OF COMMUNICATION FOR ADOPTING RICE PRODUCTION TECHNOLOGY IN JANJGIR-CHAMPA(CHATTISGARH STATE). <i>International Journal of Current Trends in Science and Technology</i> , 1(2): 15-19 (2010). | A Shrivastava, B. Agrawal, NK Toorray and RN Sharma       |  |
| Janjgir -Champa | Popular article            | EFFECT OF IRRIGATION METHODS AND MICRONUTRIENTS ON NUTRIENT UPTAKE OF TOMATO F1 HYBRID AVINASH-2. <i>International Journal of Current Trends in Science and Technology</i> 1(2): 20-26 (2010)                        | B Agrawal, A Shrivastava and N Harmukh                    |  |
| Janjgir -Champa | Popular articles published | "तिलहनी फसलों के प्रमुख रोग, लक्षण एवं नियंत्रण" (2010). <i>कृषि वर्ल्ड</i> / वर्ष 04, अंक-01, पृष्ठ क्र. - 4-6.   | नितिन कुमार तुरे, आशुतोष श्रीवास्तव एवं आर. एन. शर्मा ।   |  |
| Janjgir -Champa | Popular articles           | "खरीफ फसलों के प्रमुख रोग एवं उनका नियंत्रण" (2010). <i>कृषि</i>   | नितिन कुमार तुरे, आशुतोष श्रीवास्तव एवं                   |  |

|                 |  |  |  |  |
|-----------------|--|--|--|--|
|                 | published  | वर्ल्ड / वर्ष 04, अंक-01, पृष्ठ क्र. - 17-21.  | आर. एन. शर्मा ।  |  |
| Janjgir -Champa | Popular articles published                                       | “क्षारीय एवं लवणीय मृदाओं का सुधार” (2010). कृषि वर्ल्ड / वर्ष 04, अंक-01, पृष्ठ क्र. - 27-28.   | आशुतोष श्रीवास्तव, बलदेव अग्रवाल एवं नितिन कुमार तुर्रे, ।             |  |
| Janjgir -Champa | Popular articles published                                       | “कवकनाशी दवाईयों के उपयोग में सावधानियाँ” (2010). कृषि वर्ल्ड / वर्ष 04, अंक-01, पृष्ठ क्र. - 32.  | नितिन कुमार तुर्रे, आशुतोष श्रीवास्तव एवं आर. एन. शर्मा ।              |  |
| Janjgir -Champa | <b>Research paper published / Accepted</b><br><br>(Full Length ) | “Impact of different farm implements on up gradation of mechanization A case-study” (2011). Souvenir National Seminar on agricultural Engineering : The way to improve rural economy January 03-04,2011 pp No.54-56.   | <b>Samir Shantaiya</b> and R.N. Sharma                                 |  |
| Janjgir -Champa | <b>Research paper published (Full Length ) As book Chapter</b>   | "AVAILABILITY AND ENERGY CONSUMPTION IN PLANT PROTECTION OPERATION OF JANJGIR-CHAMPA DISTRICT OF CHHATTISGRAH" (2011) Engineering Interventions in Agriculture, National Seminar on agricultural Engineering : The way to improve rural economy January 03-04,2011 pp No.236-238 | <b>Samir Shantaiya</b> R.N. Sharma and N.K. Toorray                    |  |
| Janjgir -Champa | Research paper published / Accepted                              | <i>Knowledge and adoption of suitable new fungicides to control the diseases of rice crop in Hasdeo canal command area. (2010). National seminar</i> of MSEE organized at Mumbai Veterinary College, Parel, Mumbai from 09-10 Dec.2010.  | <b>R.N. Sharma</b> , N.K. Toorray, A. Shrivastava and Samir Shantaiya. |  |
| Janjgir -Champa | Research paper published / Accepted                              | Sustainable rice crop production by using balance fertilizer with special reference to neem coated urea. National seminar of MSEE organized at Mumbai veterinary college, parel, Mumbai from 09-10   | Manish Kumar &R. N. Sharma   |  |

|                 |                                     |   |   |  |
|-----------------|-------------------------------------|---|---|--|
|                 |                                     | dec.2010.   |   |  |
| Janjgir -Champa | Research paper published / Accepted | ENHANCING WATER USE EFFICIENCY IN HASDEO-BANGO COMMAND THROUGH CROP DIVERSIFICATION .   | R. N. Sharma ,Manish Kumar, A. Shrivastava & D.Pandey |  |
| Janjgir -Champa | Research paper published / Accepted | <b>Watershed development programme :a way for sustainable livelihood'</b> For publication in National seminar on improving water productivity limits and opportunities scheduled to be held on February ,2011 at Gwalior .                      | Manish Kumar & R. N. Sharma.                          |  |
| Janjgir -Champa | Popular articles published          | Jaivik rog niyantran hetu Trichoderma (2011). <b>KRISHAK SHRINKHLA</b> , January, Varsh 8, Ank-1, Page No.-23.  | Nitin Kumar Toorray and Ashutosh Shrivastava.         |  |
| Janjgir -Champa | Research paper published            | Enhancing water use efficiency in hasdeo –bango command through crop diversification. . National seminar on Improving Water Productivity: Limits and Opportunities held on 25-26 <sup>th</sup> Feb. 2011 at R.V.S.K.V.V. Gwalior page no 85-86. | R. N. Sharma ,Manish Kumar,A. Shrivastava & D.Pandey  |  |
| Janjgir -Champa | Research paper published            | <b>Watershed development programme :a way for sustainable livelihood'</b> National seminar on Improving Water Productivity: Limits and Opportunities to be held on 25-26 <sup>th</sup> Feb. 2011 at R.V.S.K.V.V. Gwalior page no 119-120.       | Manish Kumar & R. N. Sharma.                          |  |
| Janjgir -Champa |                                     |   |   |  |
| Janjgir -Champa |                                     |   |   |  |

**1 BIO PRODUCTS**

| KVK Name | Major group/class | Product Name | Species | Quantity |      | Value (Rs.) | Provided to No. of Farmers |
|----------|-------------------|--------------|---------|----------|------|-------------|----------------------------|
|          |                   |              |         | No       | (kg) |             |                            |
|          | BIOAGENTS         |              |         |          |      |             |                            |
|          | BIOFERTILIZERS    |              |         |          |      |             |                            |
|          | BIO PESTICIDES    |              |         |          |      |             |                            |

**2 LIVESTOCK**

| KVK of KVK | Category         | Type | Breed | Quantity |     | Value (Rs.) | Provided to No. of Farmers |
|------------|------------------|------|-------|----------|-----|-------------|----------------------------|
|            |                  |      |       | (Nos)    | Kgs |             |                            |
|            | Cattle           |      |       |          |     |             |                            |
|            | Sheep and Goat   |      |       |          |     |             |                            |
|            | Poultry          |      |       |          |     |             |                            |
|            | Fisheries        |      |       |          |     |             |                            |
|            | Others (Specify) |      |       |          |     |             |                            |

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

(A) KVK News Letter ((,etc.)

| KVK Name        | Date of start | Periodicity | Number of copies printed | Number of copies distributed |
|-----------------|---------------|-------------|--------------------------|------------------------------|
| Janjgir -Champa | 01.07.08      | Quarterly   | 500 X2                   | 1000                         |

(B) Literature developed/published

**(C) Details of Electronic Media Produced**

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

**4 Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab : Not established

Year of establishment :

**1. List of equipments purchased with amount :**

| KVK Name | Name of the Equipment | Qty. | Cost |
|----------|-----------------------|------|------|
|          |                       |      |      |

**2. Details of samples analyzed so far:**

| KVK Name | Details         | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
|----------|-----------------|----------------|----------------|-----------------|-----------------|
|          | Soil Samples    |                |                |                 |                 |
|          | Water Samples   |                |                |                 |                 |
|          | Plant Samples   |                |                |                 |                 |
|          | Petiole Samples |                |                |                 |                 |

**5 Production and supply of Technological products**

**SEED AND PLANTING MATERIALS**

| KVK Name           | Major group/class | Crop           | Variety                 | Type of produce<br>(for Seed produced<br>type hear <b>SD</b> ; For<br>Planting Material<br>type here <b>PM</b> ) | Quantity | Unit for<br>quantity of<br>produces<br>(qtl for <b>SD</b><br>and Nos for<br><b>PM</b> ) | Value<br>(Rs.) | Provided to<br>No. of<br>Farmers |
|--------------------|-------------------|----------------|-------------------------|--|----------|---|----------------|----------------------------------|
| Janjgir-<br>Champa | Cereals           | Paddy          | Karma masuri & MTU 1010 | SD   | 65       | qtl   |                |                                  |
|                    | Pulses            | Arhar          | Asha                    | SD   | 50       | qtl   |                |                                  |
|                    | Pulses            |                |                         |  |          |   |                |                                  |
| Janjgir-<br>Champa | Oilseeds          | Safflower      | JSF-1                   | SD   | 25       | qtl   |                |                                  |
|                    | Fibers            | (Rabi 2010-11) |                         |  |          |   |                |                                  |
|                    | Spices            |                |                         |  |          |   |                |                                  |
|                    | Plantation crops  |                |                         |  |          |   |                |                                  |
|                    | Floriculture      |                |                         |  |          |   |                |                                  |
|                    | Forest species    |                |                         |  |          |   |                |                                  |
|                    | Fruits            |                |                         |  |          |   |                |                                  |
|                    | Ornamental crops  |                |                         |  |          |   |                |                                  |
|                    | Vegetables        |                |                         |  |          |   |                |                                  |
|                    | Others            |                |                         |  |          |   |                |                                  |

SD – Seed; PM – Planting Material

**6 Performance of instructional farm (Crops) including seed 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 |         |
| Janjgir-Champa | Cereals                   | Paddy            | 2 <sup>nd</sup> Fortnight of July 10 | 2 <sup>nd</sup> fortnight of Nov    | 2         | MTU 1010              | Certified seed  |      |                |              |         |
| Janjgir-Champa | Cereals                   | Paddy            | 1 <sup>st</sup> week of August       | Nov End                             | 1         | Karma Mahsuri         | Certified seed  | 65   |                |              |         |
|                | Pulses                    | Arhar            | 2 <sup>nd</sup> fortnight of July    | 2 <sup>nd</sup> fortnight of Feb'11 | 5         | Asha                  | Certified seed  | RA   |                |              |         |
|                | Pulses                    |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Pulses                    |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Pulses                    |                  |                                      |                                     |           |                       |                 |      |                |              |         |
| Janjgir-Champa | Oilseeds                  | Safflower        | 13.10.10                             | 13.04.11                            | 5         | JSF1                  | Certified Seed  | RA   |                |              |         |
|                | Oilseeds                  |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Fibers                    |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Spices & Plantation crops |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Floriculture              |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Fruits                    |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Vegetables                |                  |                                      |                                     |           |                       |                 |      |                |              |         |
|                | Others (specify)          |                  |                                      |                                     |           |                       |                 |      |                |              |         |

**7 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)**

| KVK Name | Name of the Product | Qty | Amount (Rs.)   |              | Remarks |
|----------|---------------------|-----|----------------|--------------|---------|
|          |                     |     | Cost of inputs | Gross income |         |
|          | Vermicompost        |     |                |              |         |
|          | Earth worm          |     |                |              |         |
|          |                     |     |                |              |         |
|          |                     |     |                |              |         |





## 11. Documentation of Innovative technologies at the district level

1. **Shri Hemcharan Kaushik** is a progressive farmer informed us in a training organized by KVK that he has developed so many small farm implements by himself. After that the scientists of KVK along with DDAE, Bilaspur visited his residence and collected one of the ploughing implement. The speciality of that implement is that its weight is near about 3 kg. The DDAE has framed the prototype and developed it in his workshop with the name Janjgir-hull. He has planned to market it for commercial purpose.
2. Inception year of KVK 2005, the KVK scientists conducted adaptive trial, sowing of wheat seed by Zero seed drill machine, introduced MTU 1010 in year 2006 kharif season and farmers produced nearly 300 quintal of seed. The seed produced in kharif 2006 was utilized by farmers in summer 2006-07. After that a progressive farmer Shri Shiv Kumar Tiwari formed a farmer club named Shiv Shakti Club by assembling nearly 20 farmers. This year most of the members gone for seed village concept by bringing 60 acre of area under seed production programme and it is assumed they will produce nearly 1600 quintal of seed. This will create a huge awareness in near by village farmers.

## 12. Some importance success stories and case studies

मैं सुशीला देवी गवेल पति श्री यादव प्रसाद गवेल सामान्य कृषक परिवार से हूँ, मेरा ग्राम जांजग विकासखण्ड सकती जिला जांजगीर-चाम्पा के अन्तर्गत स्थित है ।

वैसे तो मुझे बचपन से कृषि कार्य में रूची है । मैं उस समय पिताजी के साथ खेतों में जाया करती थी, शादी के पश्चात मैं अपने पति के साथ अपने घर की खेती में भरपूर भागीदारी करती हूँ । हम दोनों कृषि कार्य को आपसी सलाह मशवरे के साथ करते चले आ रहे हैं व पिछले चार-पाँच वर्षों से मुझे मेरे परिवार का पूरा सहयोग मिल रहा है । मुझे कृषि प्रशिक्षण शिविरों का कृषि संबंधित भ्रमण कार्यक्रमों में जाने का मौका मिला है जिसमें मैंने अलग-अलग जगहों में कृषि तकनीक की एवं नये नये कृषि यंत्रों की बहुत अच्छी जानकारी प्राप्त की ।

सन् 2005 महिला कृषक भ्रमण कार्यक्रम में चन्द्रपुर, सरिया, अम्बिकापुर, बोईरदादर रायगढ़, पत्थलगांव, बिलासपुर आदि जगह से हल्दी की खेती, गुड़ बनाने, मशरूम उत्पादन, वर्मीकल्चर, लेमनग्रास से ऑयल बनाने, ग्रीन हाऊस, फल पेड़ पर गुटी बांधना, मिट्टी परीक्षण यंत्र आदि कृषि संबंधित जानकारियां प्राप्त की ।

सन् 2006 में 27 फरवरी से 5 मार्च 2006 तक इंदिरा गांधी कृषि विश्वविद्यालय, रायपुर में महिला कृषक प्रशिक्षण में भाग ली । यहां पर जेन्डर फ्रेडली कृषि यंत्रों का प्रशिक्षण प्राप्त की ।

सन् 2007 में राष्ट्रीय जैविक खेती प्रशिक्षण रजगा फार्म से प्राप्त की जहां वर्मी कल्चर का प्रशिक्षण मिला । उसके पश्चात न्यू इंटरवेशन योजना के अन्तर्गत महिला कृषक प्रशिक्षण जिला जांजगीर-चाम्पा से प्राप्त की ।

| लागत एवं लाभ                   |                          |        |
|--------------------------------|--------------------------|--------|
| कार्य का प्रकार                | लागत                     | लाभ    |
| तलाब में मछली पालन             | 1500                     | 10000  |
| तलाब के मेड़ में रतनजोत नर्सरी | 10000                    | 80000  |
| तलाब के मेड़ में अरहर उत्पादन  | 340                      | 7600   |
| एम. टी. यू. 1010 धान रोपा विधि | $5535 \times 15 = 83025$ | 361725 |
| गेहूँ                          | $4460 \times 15 = 66900$ | 122100 |
| प्याज, आलू एवं हल्दी           | 15000                    | 38000  |
| <b>शुद्ध लाभ</b>               |                          | 442660 |

मुझको कृषि कार्य में मार्गदर्शन एवं उत्साहवर्धन करने वाले हमारे गांव के कृषि विस्तार अधिकारी श्री टी. आर. धीरहे जी एवं कृषि विभाग के रोशन लाल पटेल जी तथा हमारे जिले के कृषि विज्ञान केन्द्र के वैज्ञानिकों का भरपूर सहयोग मिला है व मैं इन सभी का पूरे परिवार सहित हृदय से अभारी हूँ ।



**Lady farmer of Vill. Jajang received award Harvest of hope from union Agriculture Minister at New Delhi dated 26.02.10**



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



**Demonstration and Training on Improved farm Implements year 2010-11**



**Under FLD Mustard day celebrated at Vill. Kurma on dated 31.3.11.**



**Under FLD Arhar day celebrated at vill.Ddurkot on dated 25 .03.11.**



**Harvesting of safflower by combine harvester at KVK,Farm**



**Hybrid rice seed production programme at farmer field in Vill. Mehada**