

Executive Summary  
Of  
INTEGRATED WATERSHED MANAGEMENT PROGRAMME

*DHANBAD IWMP – 3/2012 - 13*

2012 - 2017



*Submitted to:*

Jharkhand State Watershed Mission  
Rural Development Department

*Submitted by:*



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|                              |   |
|------------------------------|---|
| Name of the Project          | : Integrated Watershed Management Programme |
| Blocks Covered               | : Nirsa (Chirkunda, Baliapur, Gobindpur)    |
| District                     | : Dhanbad                                   |
| Name of the PIA              | : Jan Jagran Kendra, Nirsa, Dhanbad         |
| Project Area (in Ha.)        | : 5749.7442 Ha.                             |
| Total Budget (Rs. in Lakhs ) | : 689.9693                                  |

**Executive Summary**  
**of**  
**IWMP Project**

## EXECUTIVE SUMMARY

### 1. Present Status and Situational Analysis of the Area

Nirsa is one of the blocks in the Dhanbad district, located within the coordinates 23.78°N 86.72°E. It has an average elevation of 139 meters (456 ft). The block is situated 30 km east of Dhanbad district head quarter. Total area of the block is 41,684.73 hectares, total population as per 2001 census is 376843, which comprise of 60132 scheduled caste and 54967 of Scheduled tribe population. Males constitute 54% of the population and females 46%. Nirsa has an average literacy rate of 64%, higher than the national average of 59.5%: male literacy is 72%, and female literacy is 55%. In Nirsa, 14% of the population is under 6 years of age.

The cultivable land in the block is 39703.07 acres, cultivable barren land 6928.95 acre, forest area 2528.97 acre. There are 68 Panchayats, 119 villages in this block. Block is famous for a galaxy of industries especially Hard Coke plants based on Coal Mines. Damodar Valley Corporation (DVC) & Panchet are two very important Hydel Power Plants situated in this block. These two are also known for its tourist importance. Being situated on the border of Bengal and Jharkhand the life style in this block appears to be the amalgamation of Jharkhand and Bengal culture.

The climate of the block is characterized by general dryness. It is very pleasant during the cold weather from November to February. Thereafter the climate becomes warm. It remains hot until the monsoon breaks towards the middle of June. With the setting in of rains, the temperature falls and humidity rises; July to October are the rainy months. July and August are the wettest months. The average rainfall during July is 287 mm and that in August 445 mm. The average annual rainfall in the block as well as in the district is approximately 1300 mm.

Nirsa and its surrounding blocks represent large mix of different cultures and people. There is a significant percentage of people who are Bengalis, Biharis and tribals. Bengalis are the ethnic people of Nirsa, though the Bengali spoken in Dhanbad has some influence of Magahi and hence

the local dialect spoken in Nirsa and neighborhood is Khoratha (also known as Khoratha Bangla). Official language is Hindi & Santhali.

## **ABOUT THE MICO WATERSHED**

### **SLOPE**

Major watershed area (about 60 – 65%) falls under gentle slope category *i.e.* 1 – 3% slope, and about 25 – 30% area has 3 – 5% slope and very negligible area falls in 5 – 15% slope. Thus, the treatment of the uphill area will be restricted and considered for the 1- 5% slope range only. Most of the inhabitant are small farmers, so the land leveling, farm pond, 5% model of land treatment for water harvesting will be undertaken.



### **MICO WATERSHED AREA**

The watershed area proposed to be taken up for treatment and development of its resources comprise of 10 micro watersheds. The total number of villages in these 10 MWS is 42. Mainly the MWS allotted to Jan Jagran Kendra, Nirsa is spread over in part of four block namely Baliapur, Gobindpur and Chirkunda, but the IWMP micro watershed are known to be in Nirsa. The total geographical area of the MWS is 6163.134 hectare and the total treatable area is 5749.7442 hectare.

MWS wise area distribution in 10 MWS are, in 2A2F2b1b MWS the treatable area is 422.5864 Ha, in 2A2F2b1c MWS the treatable area is 626.7799 Ha, 2A2F2b2a MWS the treatable area is 635.6209 Ha, 2A2F2b2b MWS the treatable area is 695.2489 Ha, 2A2F2b2c MWS the treatable area is 852.3835 Ha, 2A2F2b2d MWS the treatable area is 299.8739 Ha, 2A2F2c2a MWS the

treatable area is 514.8410 Ha, 2A2F2c2b MWS the treatable area is 616.6585 Ha, 2A2F2c2c MWS the treatable area is 517.0043 Ha, 2A2F2c2d MWS the treatable area is 568.7470 Ha.

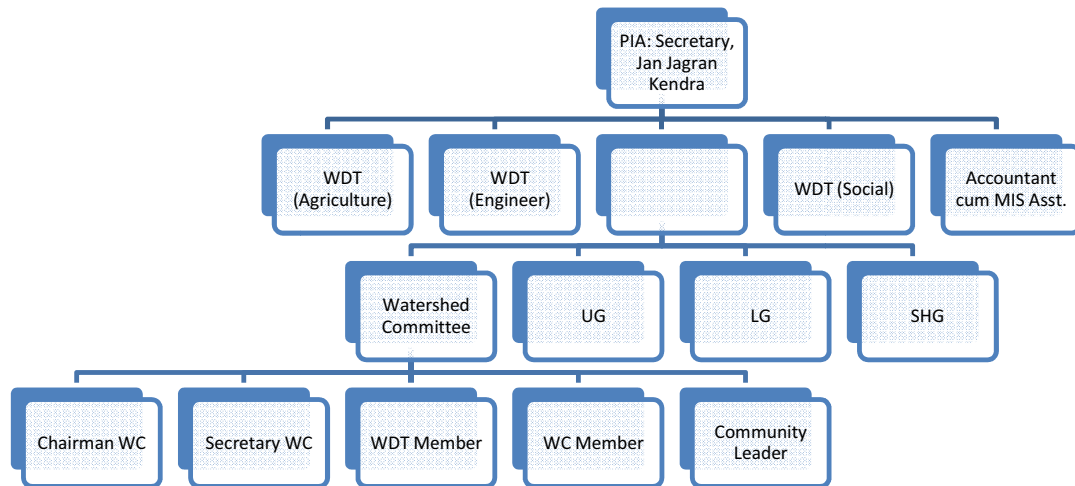
## **AGRICULTURE**

The total geographical area of the MWS (10) entrusted to Jan Jagran Kendra in the Nirsa block of Dhanbad district is 6163.1340 ha, while the treatable area is 5749.7442 ha. Out of the total treatable area, the agricultural land (presently in use) comprise about 97.54%, that is 5608.7168 ha, about 92.32% (5308.6509 ha) agriculture land is rainfed, only 5.21% (300.0659 ha) agriculture land has some of the irrigation facilities. The project area comes under Zone IV, Central and North Eastern Plateau Agro-climatic zone. Major soil types found in this region are Sandy loam, Clay loam, Sandy loam with gravel. The topography of the area is undulating with moderate slope. The average rainfall in the preceeding 5 year is recorded as 1240 mm. the major crops grown in the region are paddy, maize, pulses and vegetables.

## **2. Vision Statement**

The project implementing agency “Jan Jagran Kendra” aims at achieving 100 percent output from IWMP intervention in the MWS area, while being specific in addressing the issues related with the upliftment of poor, landless and marginal farmers. Further our organization will focus on saturation of all land and water conservation measures to enhance the agricultural productivity. As mentioned earlier that

## **3. Institutional Arrangements**



The institutional arrangement of the IWMP will be such that at the apex level the Secretary of the PIA will be responsible for the overall implementation of the programme, assisted by four WDT member (each having specific responsibility, i.e. one agriculture, one civil engineer, one social expert and one accounts cum MIS assistant). Further, these WDT members will facilitate the formation of watershed committee, selecting representation from each MWS villages. The watershed committee will be responsible for the implementation of the land & water conservation works, livelihood activities, production enhancement & micro enterprises. It will also comprise of 2 – 3 members from Users Group/ Self Help Groups and other CBOs.

#### 4. Salient Project Activities

Considering the context, baseline data analysis, PRA exercises and net planning activities under Entry Point Activities (EPA), natural resource management (NRM) plan, livelihood development plan, productivity enhancement plan and capacity building plan has been prepared. Major proposed activities, which cost 4% of the whole budget.

Horticulture/ timber plantation in water harvesting tanks bolder check, earthen gully plug, and grass seeding/plantation and field bunding, etc. are the activities under NRM plan which covers 90% of project families cost 56% of the budget. Poultry, Goatry, Fisheries, Dairy Farming and other activities are under livelihood plans for landless and marginalized families which is 9% of

the budget amounting. Similarly, system for rice/wheat intensification (SRI/SWI), vegetable cultivation, vermin-composting, fisheries, kitchen garden/Bodi (or nutritional garden), improvement in traditional paddy cultivation, Mushroom cultivation etc. form the activities under productivity enhancement which is 10% of the budget.

A comprehensive training and capacity building plan covering would capacitated during the project period. The entire proposed plans would be implemented by Watershed Committee in close coordination with SHGs and UGs under the facilitation of PIA. The entire proposed plans would be implemented by Watershed Committee in close coordination with SHGs and UGs under the facilitation of PIA.

## **5. Convergence**

The aim of the Convergence is to saturate the possible NRM activities in the project area which is planned under IWMP Programme. In this Process project will be converged under various Schemes like MGNREGA, NHM, NRLM, Nirmal Bharat Abhiyaan, Department of Fishries, Department of Animal Husbandry and Banks. During the Convergence Process SLNA, WCDC and PIA will take the leading role to facilitate the convergence activities.

## **6. Exit Policy**

Suitable systems and processes proposed to be designed and implement to manage and maintain all the assets created under the project with the help of Watershed development fund (WDF) collected from beneficiary in the form of contribution and deposited in a separate bank account. WDF will not be utilized during the project implementation period. However, it would be utilized for maintenance of community assets, common assets and other new initiatives after completion of the project. The interest accrued in this account may be utilized for meeting the administrative overhead expenses of the WC in post project period.

The interventions will be designed to ensure that after project implementation, the SHGs, UG and WC will not require any support for their operation. All SHGs would be federated into a cluster to provide solidarity for SHGs. The WC members would be enabled to take up the responsibility of maintenance of assists and infrastructures and governance of the various institution promoted. The business institution like producers' collective would provide business support to producers on



a sustainable basis with the help of trained community resource person (CRP). These systems will be in place and will be essential condition for the safe exit from the area.

## ANNEXURE I

### Abstract of Socio-Economic Details of IWMP Project

| VILLAGE NAME   | AREA (HA) | HH  | ST | SC  | OBC | Others |
|----------------|-----------|-----|----|-----|-----|--------|
| Ankduara       | 370.3566  | 738 | 88 | 185 | 266 | 199    |
| Asaniya        | 128.2676  | 523 | 62 | 131 | 188 | 141    |
| Badalpur       | 63.8379   | 243 | 29 | 61  | 87  | 66     |
| Bandrabad      | 27.0043   | 107 | 12 | 27  | 39  | 29     |
| Bar Ambana     | 342.5987  | 749 | 89 | 187 | 270 | 202    |
| Barmuri        | 330.0426  | 517 | 62 | 129 | 186 | 140    |
| Begunbari      | 1.0407    | 75  | 9  | 19  | 27  | 20     |
| Bhalber        | 56.2008   | 327 | 39 | 82  | 118 | 88     |
| Bhursa         | 217.9429  | 229 | 27 | 57  | 82  | 62     |
| Chandray Chak  | 9.6822    | 0   | 0  | 0   | 0   | 0      |
| Chhirudih      | 156.9459  | 236 | 28 | 59  | 85  | 64     |
| Chhot Ambana   | 307.9037  | 308 | 36 | 77  | 111 | 83     |
| Dainkata       | 29.1744   | 49  | 6  | 12  | 18  | 13     |
| Dhabari        | 217.9028  | 431 | 52 | 108 | 155 | 116    |
| Dolabar        | 87.1304   | 498 | 59 | 125 | 179 | 134    |
| Dudhiya        | 128.5617  | 578 | 69 | 145 | 208 | 156    |
| Dumurya        | 399.6791  | 712 | 85 | 178 | 256 | 192    |
| Jamkudar       | 80.4603   | 371 | 44 | 93  | 134 | 100    |
| Jaypur         | 303.3320  | 347 | 41 | 87  | 125 | 94     |
| Jeratanr       | 2.8409    | 46  | 6  | 12  | 17  | 12     |
| Jhuniah Pahari | 71.7753   | 36  | 5  | 9   | 13  | 10     |
| Jolhadi        | 0.0266    | 39  | 5  | 10  | 14  | 11     |
| Kaliasol       | 68.5718   | 365 | 43 | 91  | 131 | 99     |
| Kanadi         | 140.1287  | 110 | 14 | 28  | 40  | 30     |
| Kanjidi        | 128.2675  | 103 | 13 | 26  | 37  | 28     |
| Kulbana        | 78.8636   | 97  | 12 | 24  | 35  | 26     |
| Kuiri          | 0.1434    | 212 | 26 | 53  | 76  | 57     |
| Kushiya        | 135.3697  | 235 | 29 | 59  | 85  | 63     |

|                       |          |       |      |      |      |      |
|-----------------------|----------|-------|------|------|------|------|
| Kushum daha           | 239.7450 | 252   | 31   | 63   | 91   | 68   |
| Lakshipur             | 308.0566 | 268   | 32   | 67   | 96   | 72   |
| Mahubani              | 4.6746   | 187   | 22   | 47   | 67   | 50   |
| Makunddi              | 67.4248  | 140   | 16   | 35   | 50   | 38   |
| Mokomahatran          | 101.9821 | 157   | 19   | 39   | 57   | 42   |
| Narodih alias Narohir | 34.3521  | 145   | 18   | 36   | 52   | 39   |
| Nayadi                | 126.0073 | 133   | 16   | 33   | 48   | 36   |
| Pirrahahat            | 259.2170 | 526   | 64   | 132  | 189  | 142  |
| Salpatra              | 40.5784  | 268   | 32   | 67   | 96   | 72   |
| Salukchapra           | 357.9054 | 471   | 56   | 118  | 170  | 127  |
| Shitalpur             | 308.5553 | 237   | 28   | 59   | 85   | 64   |
| Simuldan              | 261.5023 | 326   | 39   | 82   | 117  | 88   |
| Surjyadi              | 117.3880 | 113   | 14   | 28   | 41   | 31   |
| Tentuliya             | 52.1213  | 174   | 21   | 44   | 63   | 47   |
|                       |          | 11678 | 1401 | 2920 | 4204 | 3153 |

**Fund Utilization Pattern of Component Wise (Rs. In Lakhs) under IWMP project for Five Years**

| Programme Component                              | Total           |                 |                 |                 |                   | Grand Total       |
|--|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|
|  | Yr1             | Yr2             | Yr3             | Yr4             | Yr5               |                   |
| Administrative (10%)                             | 1379938.6       | 1379938.6       | 1379938.6       | 1379938.6       | 1379938.608       | 6899693.04        |
| Monitoring (1%)                                  | 137993.86       | 137993.86       | 137993.86       | 137993.86       | 137993.8608       | 689969.304        |
| Evaluation (1%)                                  | 206990.79       | 137993.86       | 103495.4        | 103495.4        | 137993.8608       | 689969.304        |
| EPA (4%)   | 2759877.2       | 0               | 0               | 0               | 0                 | 2759877.216       |
| Institution & Capacity Building (5%)             | 2069907.9       | 620972.37       | 448480.05       | 241489.26       | 68996.9304        | 3449846.52        |
| DPR (1%)   | 689969.3        | 0               | 0               | 0               | 0                 | 689969.304        |
| Watershed Works (56%)                            | 5174769.8       | 11522487        | 11039509        | 10211546        | 689969.304        | 38638281.02       |
| Livelihood Activities for Assetless Persons (9%) | 689969.3        | 1379938.6       | 2069907.9       | 1724923.3       | 344984.652        | 6209723.736       |
| Production System & Micro Enterprises (10%)      | 689969.3        | 2069907.9       | 2069907.9       | 1724923.3       | 344984.652        | 6899693.04        |
| Consolidation (3%)                               | 0               | 0               | 0               | 0               | 2069907.912       | 2069907.912       |
| <b>Grand Total (100%)</b>                        | <b>13799386</b> | <b>17249233</b> | <b>17249233</b> | <b>15524309</b> | <b>5174769.78</b> | <b>68996930.4</b> |
| <b>Grand Total (100%)</b>                        | <b>20%</b>      | <b>25%</b>      | <b>25%</b>      | <b>22.5%</b>    | <b>7.5%</b>       | <b>100%</b>       |

**Abstract of year wise physical plan proposed for the micro-watershed (Nos./Ha/Cum/Rmt/etc.)**

| Head  | Components                         | Total | MW S1 | MW S2 | MW S3 | MW S4 | MW S5 | MW S6 | MW S7 | MW S8 | MW S9 | MWS 10 |
|---|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| <b>Institution and Capacity Building (5%)</b> | Awareness Campaign                 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
|   | Orientation Programme              | 10    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1      |
|   | Formation of SHG                   | 10    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1      |
|   | Formation of UG                    | 40    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4      |
|   | Formation of WC                    | 10    | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1      |
|   | Regular Meeting of SHG/UG/WC       | 51    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4      |
|   | Training on Institutional Building | 26    | 0     | 2     | 2     | 2     | 2     | 0     | 0     | 1     | 1     | 1      |
|   | Training on Gender                 | 15    | 1     | 1     | 1     | 1     | 2     | 0     | 2     | 4     | 2     | 1      |
|   | Convergence Meeting                | 40    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4      |
|   | Social Audits                      | 19    | 2     | 2     | 2     | 2     | 2     | 1     | 2     | 2     | 2     | 2      |
|   | Self Monitoring Events             | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
|   | Training on Enterprise Promotion   | 8     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0      |
|   | Training & Exposure of NRM         | 17    | 0     | 1     | 1     | 1     | 2     | 0     | 1     | 1     | 0     | 1      |

|  |  |            |           |           |           |           |           |           |           |           |           |           |
|--|--|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|  | Training & Exposure of Livelihood          | 9          | 0         | 1         | 1         | 1         | 2         | 0         | 1         | 1         | 1         | 1         |
|  | Training & Exposure on Productioi n system | 3          | 1         | 0         | 0         | 1         | 1         | 0         | 0         | 0         | 0         | 0         |
|  | <b>Sub Total</b>                           | <b>215</b> | <b>19</b> | <b>22</b> | <b>22</b> | <b>23</b> | <b>26</b> | <b>16</b> | <b>21</b> | <b>24</b> | <b>21</b> | <b>21</b> |
| <b>Natural Resource Management (56%)</b> | Afforestation                              | 22         | 0         | 0         | 0         | 0         | 5         | 0         | 1         | 3         | 12        | 1         |
|  | Horticulture                               | 66         | 0         | 10        | 15        | 8         | 6         | 5         | 4         | 5         | 8         | 5         |
|  | Agriculture                                | 378        | 30        | 45        | 37        | 42        | 43        | 42        | 32        | 45        | 42        | 20        |
|  | Pasture                                    | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Block plantation                           | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Agroforestry                               | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Nursery Raising                            | 13         | 0         | 2         | 0         | 2         | 3         | 0         | 2         | 0         | 4         | 0         |
|  | Fodder Plantation                          | 26         | 2         | 3         | 2         | 3         | 0         | 3         | 3         | 4         | 4         | 2         |
|  | Pasture Development                        | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Kitchen Garden                             | 348        | 33        | 40        | 30        | 45        | 0         | 18        | 47        | 42        | 34        | 59        |
|  | Land Levelling and bunding                 | 137        | 8         | 12        | 15        | 15        | 22        | 12        | 12        | 15        | 14        | 12        |
|  | Contour Trenching                          | 8          | 0         | 2         | 0         | 2         | 0         | 0         | 0         | 2         | 0         | 2         |
|  | Staggered trenching                        | 34         | 4         | 4         | 6         | 0         | 8         | 4         | 4         | 0         | 0         | 4         |
|  | Contour bunding                            | 8          | 0         | 2         | 0         | 2         | 0         | 0         | 0         | 2         | 0         | 2         |
|  | Farm Bunding                               | 46         | 2         | 0         | 0         | 8         | 12        | 0         | 4         | 6         | 8         | 6         |
|  | Graded bunding                             | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Bench terracing                            | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | WAT  | 0          | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
|  | Earthern                                   | 6          | 0         | 1         | 1         | 0         | 0         | 0         | 1         | 0         | 2         | 1         |

|  |                                  |             |            |            |            |            |            |            |            |            |            |            |
|--|----------------------------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|  | checks                           |             |            |            |            |            |            |            |            |            |            |            |
|  | Brushwood checks                 | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | Vegetative barrier               | 44          | 0          | 12         | 12         | 1          | 0          | 4          | 0          | 7          | 8          | 0          |
|  | Gully plugs                      | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | Loose boulders                   | 6           | 3          | 1          | 1          | 0          | 0          | 0          | 1          | 0          | 0          | 0          |
|  | Gabion structures                | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | Rockfill dam                     | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | 5% Model                         | 117         | 9          | 12         | 12         | 22         | 10         | 10         | 10         | 22         | 10         | 0          |
|  | Big Pond                         | 5           | 0          | 1          | 1          | 0          | 1          | 0          | 0          | 1          | 0          | 1          |
|  | Farm ponds                       | 38          | 3          | 3          | 3          | 7          | 6          | 2          | 4          | 2          | 4          | 4          |
|  | Checkdams                        | 2           | 1          | 0          | 0          | 0          | 0          | 0          | 1          | 0          | 0          | 0          |
|  | Sub surface Dam                  | 0           |            |            |            |            |            |            |            |            |            |            |
|  | Nallah bunds                     | 26          | 0          | 3          | 3          | 0          | 9          | 5          | 0          | 0          | 2          | 4          |
|  | Percolation tanks                | 5           | 1          | 1          | 1          | 1          | 1          | 0          | 0          | 0          | 0          | 0          |
|  | Ground water recharge structures | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | Mini pits                        | 60          | 4          | 8          | 8          | 4          | 10         | 4          | 4          | 8          | 4          | 6          |
|  | Diversion Drain                  | 10          | 2          | 0          | 0          | 2          | 2          | 0          | 2          | 0          | 0          | 2          |
|  | <b>Sub Total</b>                 | <b>1405</b> | <b>102</b> | <b>162</b> | <b>147</b> | <b>164</b> | <b>138</b> | <b>109</b> | <b>132</b> | <b>164</b> | <b>156</b> | <b>131</b> |
| <b>Livelihood Activities (WS) (9%)</b> | Vermi Compost                    | 112         | 10         | 12         | 13         | 12         | 15         | 13         | 10         | 15         | 12         | 0          |
|  | Goatry                           | 49          | 4          | 5          | 4          | 8          | 6          | 5          | 5          | 4          | 4          | 4          |
|  | Piggery                          | 3           | 0          | 0          | 0          | 2          | 0          | 1          | 0          | 0          | 0          | 0          |
|  | Poultry                          | 40          | 4          | 5          | 6          | 5          | 7          | 0          | 3          | 4          | 4          | 2          |
|  | Duckery                          | 23          | 0          | 0          | 3          | 1          | 4          | 2          | 5          | 2          | 2          | 4          |
|  | Fisheries                        | 15          | 0          | 2          | 1          | 2          | 3          | 0          | 2          | 2          | 0          | 3          |
|  | Bamboo Basket Making             | 0           | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
|  | Candle Making                    | 15          | 2          | 2          | 2          | 0          | 1          | 0          | 0          | 2          | 3          | 3          |



|  |  |               |              |              |              |              |              |              |              |              |              |              |
|--|--|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|  | /WC                                      |               |              |              |              |              |              |              |              |              |              |              |
|  | Training on Institutional Building       | 10.4          | 0            | 0.8          | 0.8          | 0.8          | 0.8          | 0            | 0            | 0.4          | 0.4          | 0.4          |
|  | Training on Gender                       | 1.5           | 0.1          | 0.1          | 0.1          | 0.1          | 0.2          | 0            | 0.2          | 0.4          | 0.2          | 0.1          |
|  | Convergence Meeting                      | 4             | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          | 0.4          |
|  | Social Audits                            | 0.38          | 0.04         | 0.04         | 0.04         | 0.04         | 0.04         | 0.02         | 0.04         | 0.04         | 0.04         | 0.04         |
|  | Self Monitoring Events                   | 0             | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
|  | Training on Enterprise Promotion         | 3.2           | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            | 0            |
|  | Training & Exposure of NRM               | 6.8           | 0            | 0.4          | 0.4          | 0.4          | 0.8          | 0            | 0.4          | 0.4          | 0            | 0.4          |
|  | Training & Exposure of Livelihood        | 3.6           | 0            | 0.4          | 0.4          | 0.4          | 0.8          | 0            | 0.4          | 0.4          | 0.4          | 0.4          |
|  | Training & Exposure on Production system | 1.2           | 0.4          | 0            | 0            | 0.4          | 0.4          | 0            | 0            | 0            | 0            | 0            |
|  | <b>Sub Total</b>                         | <b>47.976</b> | <b>2.524</b> | <b>3.724</b> | <b>3.724</b> | <b>4.124</b> | <b>5.024</b> | <b>2.004</b> | <b>3.024</b> | <b>3.624</b> | <b>3.024</b> | <b>3.324</b> |



|  |                            |         |       |         |      |         |        |      |         |         |         |         |
|--|----------------------------|---------|-------|---------|------|---------|--------|------|---------|---------|---------|---------|
| <b>Natural Resource Management (56%)</b> | Afforestation              | 4.12764 | 0     | 0       | 0    | 0       | 0.9381 | 0    | 0.18762 | 0.56286 | 2.25144 | 0.18762 |
|  | Horticulture               | 19.8    | 0     | 3       | 4.5  | 2.4     | 1.8    | 1.5  | 1.2     | 1.5     | 2.4     | 1.5     |
|  | Agriculture                | 11.34   | 0.9   | 1.35    | 1.11 | 1.26    | 1.29   | 1.26 | 0.96    | 1.35    | 1.26    | 0.6     |
|  | Pasture                    | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Block plantation           | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Agroforestry               | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Nursery Raising            | 3.9     | 0     | 0.6     | 0    | 0.6     | 0.9    | 0    | 0.6     | 0       | 1.2     | 0       |
|  | Fodder Plantation          | 5.46    | 0.42  | 0.63    | 0.42 | 0.63    | 0      | 0.63 | 0.63    | 0.84    | 0.84    | 0.42    |
|  | Pasture Development        | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Kitchen Garden             | 5.22    | 0.495 | 0.6     | 0.45 | 0.675   | 0      | 0.27 | 0.705   | 0.63    | 0.51    | 0.885   |
|  | Land Levelling and bunding | 60.28   | 3.52  | 5.28    | 6.6  | 6.6     | 9.68   | 5.28 | 5.28    | 6.6     | 6.16    | 5.28    |
|  | Contour Trenching          | 2.76    | 0     | 0.69    | 0    | 0.69    | 0      | 0    | 0       | 0.69    | 0       | 0.69    |
|  | Staggered trenching        | 7.48    | 0.88  | 0.88    | 1.32 | 0       | 1.76   | 0.88 | 0.88    | 0       | 0       | 0.88    |
|  | Contour bunding            | 3.17952 | 0     | 0.79488 | 0    | 0.79488 | 0      | 0    | 0       | 0.79488 | 0       | 0.79488 |
|  | Farm Bunding               | 20.24   | 0.88  | 0       | 0    | 3.52    | 5.28   | 0    | 1.76    | 2.64    | 3.52    | 2.64    |
|  | Graded bunding             | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Bench terracing            | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | WAT                        | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
|  | Earthen checks             | 7.2     | 0     | 1.2     | 1.2  | 0       | 0      | 0    | 1.2     | 0       | 2.4     | 1.2     |
|  | Brushwood checks           | 0       | 0     | 0       | 0    | 0       | 0      | 0    | 0       | 0       | 0       | 0       |
| Vegetation                               | 3.08                       | 0       | 0.84  | 0.84    | 0.07 | 0       | 0.28   | 0    | 0.49    | 0.56    | 0       |         |



|   |                             |                |                |                |                |                |                |                |                |                |               |                |
|---|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|
|   | Making                      |                |                |                |                |                |                |                |                |                |               |                |
|   | Candle Making               | 1.9875         | 0.265          | 0.265          | 0.265          | 0              | 0.1325         | 0              | 0              | 0.265          | 0.3975        | 0.3975         |
|   | <b>Sub Total</b>            | <b>59.4369</b> | <b>4.50236</b> | <b>6.73051</b> | <b>6.80363</b> | <b>7.45338</b> | <b>9.15857</b> | <b>3.20491</b> | <b>5.54467</b> | <b>6.65048</b> | <b>5.0877</b> | <b>4.30069</b> |
| <b>Production System and micro enterprise(WC) (10%)</b> | Seed Production             | 10.8           | 1              | 1              | 1              | 1              | 1.5            | 0.7            | 1              | 1              | 1.1           | 1.5            |
|   | Reclamation of soil         | 3.9            | 0              | 0.5            | 0.5            | 0.6            | 0.6            | 0.2            | 0.2            | 0.55           | 0.3           | 0.45           |
|   | IPM and INM Practices       | 16.6           | 0.8            | 1.8            | 2.2            | 1.6            | 3              | 0.4            | 2              | 1.6            | 1.6           | 1.6            |
|   | Seed Treatment              | 5.4            | 0.63           | 0.63           | 0.57           | 0.63           | 0.6            | 0.57           | 0.27           | 0.42           | 0.45          | 0.63           |
|   | SRI Cultivation             | 24.42          | 2.2            | 2.86           | 2.53           | 3.3            | 2.86           | 1.1            | 2.09           | 3.08           | 2.2           | 2.2            |
|   | Organic Farming             | 5.5            | 0.25           | 0.55           | 0.6            | 0.75           | 1.3            | 0.5            | 0.45           | 0.5            | 0.35          | 0.25           |
|   | Agricultural Implementation | 2.25           | 0.18           | 0.18           | 0.21           | 0.45           | 0.36           | 0.12           | 0.15           | 0.24           | 0.18          | 0.18           |
|   | <b>Sub Total</b>            | <b>68.87</b>   | <b>5.06</b>    | <b>7.52</b>    | <b>7.61</b>    | <b>8.33</b>    | <b>10.22</b>   | <b>3.59</b>    | <b>6.16</b>    | <b>7.39</b>    | <b>6.18</b>   | <b>6.81</b>    |

