

CHAPTER – 1

1 Introduction :-

Resource degradation has an adverse impact on human welfare. Enhancement of productivity in agriculture and sustainable maintenance of resources have already significantly reduced poverty in the country with the help of appropriate policies. However, this has not been the case in many areas where resource degradation is taking place. Rural poverty is mostly associated with recurrent occurrences of drought. Poor maintenance and degradation of natural resources. In the recent past, several interventions were made to reduce poverty through drought proof technologies. Several patterns were involved in designing new methodologies to tackle the various constraints faced in the dry land areas. They included community based watershed management and innovative institutional arrangements to improve productivity and sustainability of the resource base in the degraded areas.

Watershed reduces poverty by generating employment and increasing agricultural productivity. It enhances the water table and the recharging level of ground water which ensures agricultural development. Simultaneously, enhanced recharging of water provides quality drinking water. Watershed development protects the environment through afforestation and increase the resilience of land and water resources.

1.1 Location :-

Rajasthan has become geographically the largest state in India acquiring almost 11% of the total Geographical area of India the geographical area of Rajasthan is 342239 square kilometer. Located at 23°30' and 30° 11' North latitude and 69° 29' and 78° 17' East longitude. Adjacent to west and northwest to the boundaries of Pakistan, Rajasthan is surrounded by the states of Punjab, Haryana and Uttar Pradesh in north and north east, Uttar Pradesh and Madhya Pradesh, in its east and south east, and by the state of Gujarat in south west.

The Jhalawar district is situated between 23°-45′-20” to 24°-52′-17” latitude and 75°-27′-35” to 76°-56′-48” longitude. It is situated at the South portion of Rajasthan and 330 Km from Jaipur.

I.W.M.P. 2nd Project is located in PIDAWA Block, of JHALAWAR district. It is at a distance of 27 km from its Block head quarters and 65 Kms from the district head quarters. There are 1366 no. of habitations in the Project area and other details are given below.

General features of watershed

| S.No. | Name of Project(as per GOI) | I.W.M.P. Pidawa 2 nd |
|-------|------------------------------------|---------------------------------|
| (a) | Name of Catchment | OSAV,KHAIRANA,ODIYAKHEDI |
| (b) | Name of watershed area(local name) | OSAV |
| © | Project Area | 5444 hac. |
| (d) | Net treatable Area | 5444 hac. |
| e) | Cost of Project | 653.28 lacs |

| | | | | |
|-------------|--|--------------------------|-------------------------|------|
| f) | Cost/hectare | 12000/hac | | |
| g) | Year of Sanction | 2009-2010 | | |
| h) | Watershed Code | | | |
| i) | No. of Gram Panchayats in project area | 3 | | |
| j) | No. of villages in project area | 6 | | |
| k) | Type of Project | Desert/other | | |
| l) | Slope range (%) | 6% | | |
| Macro/micro | Name of Gram Panchayat | Name of Villages Covered | Census code of villages | Area |

| | | | | |
|----|------------|-------------|----------|------|
| 14 | OSAV | OSAV, | 04104800 | 1257 |
| | | KHATKAR, | 04106000 | 1100 |
| | | FIROZPURA | 04104700 | |
| | KHAIRANA | KHAIRANA, | 04108000 | 864 |
| | | LOTI | 04108200 | 295 |
| | | MOTBHINGANJ | 04105900 | |
| | ODIYAKHEDI | ODIYAKHEDI | 04108100 | 1930 |

1.2 General features of watershed:-

The Geological formation in the watershed area are represented by plain slope areas soil clay loam. There are many dug wells in the watershed area which are dry & water is generally good for drinking purpose. Most of the precipitation falls in the month of July, August & September with very little in winter season. The intensity of rain fall is occasionally very high which causes erosion hazards. The watershed area is characterized as semi & arid climatic zone. The temperature raises from first week of May to first week of June while the lowest temperature reported during month of December. Average annual rainfall of area is 900 mm. & Maximum intensity of rainfall is 100 mm per day. The Maximum Temperature goes upto 49 degree centi. & minimum temp. 3 degree centigrate.

1.3 Present status of land use & rain water storage :-

The entire area except gullies structure, habitations, road & tanks are used for agriculture purpose. There are two principals cropping seasons viz, Rabi & Kharif. The main crop is through Soyabean but some other crop like Mustered, Urad, Moong, Groundnut, Corriander & Jawar are also grown in some area. Mixed cropping pattern is also common. The farmers who have water facility in their field adopting cash crops like Soyabean & Mustered . However the un irrigated area are mostly single cropped.

In absence of good aquifer the yield of wells is very low, therefore the command of each well is also small. Most of the area is depended upon rainfall & Tube wells in some areas. Due to erratic behavior of the rainfall and persistent famine conditions.

The cultivators are not in a position to invest on monetary inputs therefore, use of all improved varieties of seeds is rare. In watershed area 205 ha. pasture land is available but condition of pasture land is very bad. About 70% land is under enchrochment & rest land in barren condition there is no vegetative cover on land. In watershed area horticulture crop is not tradition of the area, this is due to lack of literacy & the irrigation facilities. Some farmers who have tube well, they are interested in horticultur. Rainfall in this area is erratic in nature and uneven is distribution . Most of the rainfall is not retained in the site (except some village ponds) and flow as run off in the existing drains and ultimately to river.

Table No 1.3.1 :- Basic Project Information :-

| Sr.No | Name of Project | Name of gram panchayat | Village | Tahasil | Dist | Area Proposed to be treated | Total Project cost | PIA |
|-------|------------------------|------------------------|------------|---------|----------|-----------------------------|--------------------|--------------------------|
| 1 | IWMP Pidawa IInd | OSAV | OSAV | PIDAWA | Jhalawar | 1257 | 653.28 | AEN WD & SC PIDAWA |
| | | | KHATKAR | PIDAWA | Jhalawar | 1100 | | |
| | | | FIROJPURA | PIDAWA | Jhalawar | | | |
| | | | | | | | | |
| 2 | | KHAIRANA | KHAIRANA | PIDAWA | Jhalawar | 864 | | |
| | | | LOTI | PIDAWA | Jhalawar | 293 | | |
| | | | | | | | | |
| 3 | | ODIYAKHEDI | ODIYAKHEDI | PIDAWA | Jhalawar | 1930 | | |

Table No 1.3.2 :- Area covered by different Gram Panchayat

| Name of grampanchayat | OSAV | KHAIRANA | ODIYAKHEDI |
|-----------------------|------|----------|------------|
| Area in ha | 2357 | 1157 | 1930 |

1.3.3 Rain water Storage :-

Presently in watershed area 19 Talai & 20 Anicuts are existing . Rain water is tapped by these talaies. These are not properly maintain so that water management is required.

Table No 1.3.3 Rain water Storage

| S.No. | Name | No. | Storage Capacity (cum) | Area irrigated (ha) |
|-------|---------------------------|-----|------------------------|---------------------|
| i) | Major Irrigation Project | | | |
| ii) | Medium Irrigation Project | 1 | | |
| iii) | Form Ponds/Tanks | 19 | 47000 | 20 |
| iv) | Anicuts | 20 | 80000 | 40 |
| | Total | | | |

1.4 Soil Erosion : –

Due to variation of slope / gradient, slow infiltration, lack of vegetative cover & occasionally very high intensity of rainfall & a heavy rain occurs during monsoon which causes sheet, rill, erosion & in some part gully formations.

Project Area is effected by water erosion such that loss of soil fertility take place every year. Production depleting year by year. It is major problem of watershed

Table No.1.4 Erosion status in project Area

| Cause | Type of erosion | Area affected (ha) | Run off(mm/ year) | Average soil loss (Tonnes / ha/ year) |
|--------------------------|-----------------|--------------------|-------------------|---------------------------------------|
| Water erosion | | | | |
| A | Sheet | 710 | 110 | 7-9 |
| B | Rill | 205 | 30 | 4-5 |
| C | Gully | 209 | 80 | 15-20 |
| Sub-Total | | 1124 | 220 | 26-34 |
| Total for project | | | | 26-34 |

1.5 Socio Economic Status :-

Economy of farmers of project area is based on Agriculture. Due to erosion & scarcity of rainfall. economic condition of farmers are very poor.

Table No.1.5.1 Village wise Socio Economic Status

| Name of village | S C | | S T | | O B C \ GEN | | Total | |
|-----------------|------------|------------|-----------|-----------|-------------|-------------|-------------|-------------|
| | No | Area | No | Area | No | Area | No | Area |
| OSAV | 198 | 258 | 8 | 10 | 206 | 737 | 615 | 1257 |
| KHATKAR | 18 | 23 | - | - | 155 | 585 | 173 | 1100 |
| FIROJPURA | 6 | - | 1 | - | 65 | - | 72 | - |
| KHAIRANA | 24 | 128 | 11 | 24 | 169 | 592 | 204 | 864 |
| LOTI | 30 | 76 | - | - | 17 | 75 | 47 | 293 |
| ODIYAKHEDI | 59 | 153 | 9 | 19 | 187 | 1125 | 255 | 1930 |
| TOTAL | 335 | 638 | 29 | 53 | 799 | 3114 | 1163 | 3805 |

Data as per Baseline Survey Record.

1.5.2 Activity wise Social Status :-

| S. No. | Description of Households | Total No. of household | Population in No. | | | SC | | ST | | Others | |
|--------|---------------------------|------------------------|-------------------|-----|-------|-------------|---------|-------------|---------|-------------|---------|
| | | | M | F | Total | No. of h.h. | Members | No. of h.h. | Members | No. of h.h. | Members |
| 1 | 2 | 3 | 4a | 4b | 4d | 5a | 5b | 6a | 6b | 7a | 7b |
| (i) | Cultivators | 1050 | 2725 | 50 | 2775 | 335 | 455 | 29 | 67 | 799 | 2253 |
| (ii) | Landless Agri. Labourers | 85 | 180 | 90 | 270 | 60 | 195 | 3 | 12 | 22 | 63 |
| (iii) | Artisans | 8 | 18 | 8 | 26 | 3 | 8 | 1 | 2 | 4 | 14 |
| (iv) | BPL | 252 | 306 | 248 | 554 | 125 | 284 | 3 | 16 | 124 | 254 |
| (v) | Dairying | 20 | 30 | 10 | 40 | - | - | - | - | 20 | 40 |
| (vi) | Piggery | 1 | 2 | 1 | 3 | 1 | 3 | - | - | - | - |
| | TOTAL | 1416 | 3261 | 407 | 3668 | 524 | 945 | 36 | 97 | 969 | 2624 |

M= Male, F=Female , h. h.=house hold. Indicate only households with main occupation in the case of more than one occupation in a household. Indicate against the occupation with income more than 50%

1.5.3 Category wise Households :-

| IWMP PIDAWA IInd | SC | OBC/General | ST |
|------------------------|-----|-------------|----|
| | 329 | 1009 | 28 |

1.5.4 Categorywise Population :-

| IWMP Jhalawar - III | SC | OBC/General | ST |
|---------------------------|------|-------------|-----|
| | 1645 | 5007 | 135 |

1.5.5 Land Holding Pattern in Project area :-

| Type of Farmer | Total Households | Land holding (ha) irrigation source wise | | | Land holding (ha) Social group wise | | | |
|---------------------------|------------------|--|---------|-------|-------------------------------------|------|----|------|
| | | Irrigated (source) | Rainfed | Total | General | SC | ST | OBC |
| (i) Large farmer | 100 | 400 | 450 | 850 | 400 | | | 450 |
| (ii) Small farmer | 623 | 900 | 1200 | 2100 | 300 | 885 | 15 | 900 |
| (iii) Marginal farmer | 306 | 375 | 554 | 920 | 325 | 150 | 6 | 439 |
| (iv) Landless person | 85 | - | - | - | - | - | - | - |
| (V) No. of BPL households | 252 | | | | | | | |
| Total | 1366 | 1675 | 2204 | 3870 | 1025 | 1035 | 21 | 1789 |

1.6 Problem & scope of improvement :-

1.6.1 Occupation

The main occupation of the area is farming which mainly depend on rains. Day by day rainfall is decreasing. Mostly farmers are growing single crop so villager's are engaged about four months in a year in agriculture work and they have to migrate to city. However due to NREGA migration has been come down.

Mostly landless families survive through unauthorized mining at forest land. The forest department punish them too. In this area most of the youths are also addicted to Alcohol, Tobacco, Gutakas, Smoking. Due to these addiction their work efficiency has been decreased.

➤ Scope of Improvement -

Following works have been proposed through watershed programme so that village community get regular employment after completion of Project. During program every work will be done by user group & they will get labour so that they will have employment.

Farmers who have sufficient source of water in their field and are marginal will be motivated work as for Horticulture plantation & Kitchen garden so that they can have extra income through cash crop along with agriculture crops.

Farmers having no source of water in their fields Agro forestry plants will be provided to them Free of cost to raise there income.

Land less families have been identified according to their interest SHG will be formed & training will be provided. After training they will get revolving funds from watershed for self employment to raise the Socio economic condition.

Formation of self help group. Get them trained are linkage with banks for self employment.

Un encroachment of available pasture land and developed with the horticulture plantation such as Awala, Boor, Karonda through National Horticulture Mission. It will Increase the income of Gram Panchayat.

1.6.2. Land

➤ Problem related to Land -

1. Soil erosion due to excessive rainfall in short duration.
2. Reducing yield due to loss of top soil

➤ Scope of Improvement -

Bunding in field and construction of checkdams, wastweir for safe disposal of excessive water & to check the soil erosion . To motivate the farmers for organic manunring & Vermi compost.

1.6.3 Problem related to Crop

Loss of production due to improper cultivation. Less moisture content in soil. Farmers are not in practice to use improved variety of seed. Excessive use of chemical fertilizer. Unawareness of crop rotation practices.

➤ Scope of Improvement -

Farmer will trained for proper cultivation practices. Construction of farm ponds and bunding in their fields. Crop demonstration through improved varity of seeds. To trained farmer for organic farming & agro forestry, Kitchen gardening, along with agriculture.

1.6.4. Livestock

- Indigenous breeding.
- Lack of pasture development.
- Unawareness about health problem.
- Uncontrolled Grazing.

- **Scope of Improvement -**
- Improve breed by high breed program.
- To develop pasture land according to their demand.
- To organize animal camps regularly for health checkup.
- To provide them Gross Cutting Machine & Manger.
- To arrange the training for animal betterment.

1.6.5. Water

Average rainfall of this block 900 mm Rainfall is irregular insufficient. There is no management to store rain water. Due to black cotton soil has more water holding capacity. So runoff water drained out side the area through Nalla & rivers. Most of the state time water bodies such as Talav, Anicuts have been encroched by local people or it has been silted. Nobody can take care of these water bodies. There is no source of ground water table recharge in this area so water go down day by day.

Due to pressure of increas population & increase agriculture production farmers used tube well drastically due to which water level go down and whole area comes under dark zone. Presently whole area from March to June every year faces the scarcity of drinking water. During these month water supplied through tankers for villages & animals. In entry point activities each gram sabha has proposed water related works.

➤ Proposed for solving problem –

To P.R.A. with villages and survey the area proposed the water harvesting structures at appropriate place with the of consent local farmers. To planning for rain harvesting at areable & non areable lands.

Main activities for water harvesting are as follows :-

- Areable Land bunding with West weir farm ponds.
- Non areable land dugout ponds gabion structure.
- Drainage line Nalla bunding anicuts.

1.7 Project Objectives :-

The objectives of the watershed development project will be :

- Conservation, development and sustainable management of natural resources including their use.
- Enhancement of agriculture productivity and production in sustainable manner.
- Restoration of ecological balance in the degraded and fragile rained eco-system by greening these areas through appropriate mix of trees and shrubs and grasses.
- Reduction in regional disparity between irrigated and rained areas.
- Creation of sustained employment opportunities for the rural community including the landless.

1.8 Institutional Arrangements :-

1.8.1 State level nodal agency (SLNA) :-

As per guide line pera no.- 4.4 state Govt. of Rajasthan constituted. State level Nodal agency (SLNA). chairman of SLNA is Additional chief Secretary (development) & member Secretary is Director watershed (CEO).

SLNA

- Member secretary Post :- CEO
- Designation & Address :- Director watershed development & Soil conservation
- Telephone No. :- 0141 - 2227189
- Fax No. :- 0141 - 2227858
- E - mail :- dir_wdsc @ dataone.in.

1.8.2 District watershed development unit (DWDU) :-

As per guide line pear no. 4.5 / 29 SLNA appointed District watershed development unit at District level. Project manager of DWDU is XEn watershed at district level.

DETAILS OF DWDU

| Designation & Address | Project manager DWDU | X En. Watershed Jhalawar |
|----------------------------------|-----------------------------|---------------------------------|
| Telephone | 07432-232130 | |
| Fax | 07432-232130 | |
| E-mail | dwdu.Jhalawar@gmail.com. | |

1.8.3 Project Implementing Agency (PIA) :-

DETAILS OF PIA

| 1 | 2 | 3 |
|------|-----------------------------------|--|
| S.No | Particulars | Details of PIA |
| 1. | Name of PIA | A.E.n P.S. pidawa H.O. sunel |
| 2. | Designation | |
| 3. | Address with contact no., website | P.S. Pidawa H.O. sunel 9414284210, bpal1972@gmail.com |
| 4. | Telephone | 07434-253223 |
| 5. | Fax | 07434-253223 |
| 6. | E-mail | bpal1972@gmail.com |

1.8.4 Watershed Development Team (WDT) :-

The WDT is an integral part of PIA and was been set up by the PIA.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------|---------------------|-----|-----|-----------------------------|-------------------------------|--------------------------------------|--|
| S. No | Name of WDT member | M/F | Age | Qualification | Experience in watershed (Yrs) | Description of professional training | Role/ Function |
| 1 | Sh. Tulesh moad | M | 38 | Dip. Civil | 10 Month | 9 Day Traning | WDT(Eng. /Eng. measurs |
| 2 | Sh. Jitendra Jangid | M | 24 | M.sc. (Agronomy) | 10 Month | 9 Day Traning | WDT(Agri.) /Agri. Development |
| 3 | Sh. Sandeep Sharma | M | 27 | 2 Year Dip. In Vetarnary | 3 Year | 9 Day Traning | WDT (Veterinary)/Veterinary Development |
| 4 | Smt. Sheela Joshi | F | 34 | B.A,(sociology) M.S.W. | 1 Year | 9 Day Traning | WDT(s.s.)/Community Development |

1.8.5.2 Details of Watershed Committees (ws) KHAIRANA
Gram Panchayat - KHAIRANA

| S.No | Name of the Districts | Name of projects | Name of WCs | Date of Registration as a Society (dd/mm/yyyy) | Designation | Name | M/F | Category | Age |
|--------|------------------------|------------------------|-------------|--|-------------|------------------------|-----|----------|-----|
| 1 | Jhalawar | IWMP Pidawa IInd | Khairana | | Presidant | Ayodhyabai/Ratanlal | F | OBC | 60 |
| | | | | | Secratary | Bapulal/Kishanlal | M | SC | 28 |
| | | | | | Member | Kalusingh/Lalsingh | M | GEN | 48 |
| | | | | | Member | Radheyshyam/Amara | M | SC | 35 |
| | | | | | Member | Gopalsingh/Indarsingh | M | OBC | 35 |
| | | | | | Member | Dropati/Bapulal | F | SC | 22 |
| | | | | | Member | Narendr/Radheshyam | M | SC | 24 |
| | | | | | Member | Ramchandra/Amra | M | SC | 35 |
| | | | | | Member | Manohar/Haresingh | M | GEN | 38 |
| | | | | | Member | Ramnarayan/Balaji | M | OBC | 45 |
| | | | | | Member | Kalavatibai/Ramnarayan | F | OBC | 38 |
| Member | Brijpalsingh/Tikamsinh | M | | 45 | | | | | |

1.8.5.3 Details of Watershed Committees (ws) ODIYAKHEDI
Gram Panchayat :- ODIYAKHEDI

| S.No | Name of the Districts | Name of projects | Name of WCs | Date of Registration as a Society (dd/mm/yyyy) | Designation | Name | M/F | Category | Age |
|--------|-------------------------|------------------------|-------------|--|-------------|--------------------------|-----|----------|-----|
| 1 | Jhalawar | IWMP PIDAWA IInd | ODIYAKHEDI | | Presidant | Kalavatibai/Lakshmichand | F | OBC | 33 |
| | | | | | Secratary | Vishnulal/Gokul | M | OBC | 28 |
| | | | | | Member | Chitarlal/Ghisalal | M | OBC | 50 |
| | | | | | Member | Rampratap/Prabhulal | M | OBC | 48 |
| | | | | | Member | Kanheyalal/Nandaji | M | OBC | 35 |
| | | | | | Member | Balchand/Bhairulal | M | OBC | 30 |
| | | | | | Member | Sushilabai/Fatehsingh | M | SC | 38 |
| | | | | | Member | Chandarsingh/Motisingh | M | OBC | 55 |
| | | | | | Member | Paribai/Bhagwan | F | SC | 29 |
| | | | | | Member | Kanheyalal/Bajeram | M | OBC | 38 |
| | | | | | Member | Lakshmichand/Purilal | M | OBC | 35 |
| Member | Brijpalsingh/Tikamsingh | M | | 45 | | | | | |

CHAPTER – 2

2 Basic Features

2.1 Land Use & Land Classification

| IWMP PIDAWA IInd | Arabel Land | | | Non arable land (community Land) | | | |
|------------------------|----------------|--------------|---------------------|----------------------------------|----------------|------------|-------------------|
| | Well Irrigated | Un Irrigated | Temporary Fellow | Govt. | Panchayat land | | |
| | | | | DLT | Pasture | Nadi Angor | Community Land |
| | 1675 | 3310 | 525 | 715 | 205 | 114.10 | 274.08 |

2.2. Agricultural Status :-

2.2.1 Crop Productivity Crop details

| | | | cropping status | | | | | | | |
|------|--------|----------------|-----------------|------------------|----------------------|-----------|------------------|----------------------|-----------|------------------|
| s.no | season | crop sown | Rain fed | | | Irrigated | | | total | |
| | | | Area [ha] | Production [ton] | Productivity [kg/ha] | Area [ha] | production [ton] | productivity [kg/ha] | area [ha] | production [ton] |
| 1 | Kharif | (1) Soyabean | 1900 | 2280 | 1200 | 454 | 590 | 1300 | 2354 | 2870 |
| | | (2) Maize | 325 | 257 | 1100 | 15 | 18 | 1200 | 340 | 375 |
| | | (3) Urad | 275 | 165 | 600 | 21 | 13 | 650 | 296 | 178 |
| | | (4) Grouandnut | 330 | 264 | 800 | 10 | 8 | 825 | 340 | 272 |
| 2 | Rabi | (1) Wheat | | | | 198 | 554 | 2800 | 198 | 554 |
| | | (2) Gram | 295 | 147 | 500 | 200 | 160 | 800 | 495 | 307 |
| 3 | Zaid | (1) corlandor | | | | 412 | 494 | 1200 | 412 | 494 |
| | | (2) mustared | 185 | 111 | 600 | 310 | 248 | 800 | 570 | 359 |
| | Total | | 9810 | 3325 | 4800 | 1620 | 2104 | 9575 | 5005 | 5411 |

2.2.2 Net sowing Area :- There is no source of irrigation other than tube wells / open wells.

Result :- Total Area of watershed 5444 ha. Out of this project area only 3330 hacter is cultivable land according to revenue records. As per Base line survey of field only 3330 nha. area is been shown. Remaining area 2114 ha. is not been sown because of waste land, Govt. land, Nalla's Pasture Community Land etc.

Net sowing Area in watershed

2.2.2.1 Kharif crops (Net sown Area)

| Crop | Soyabeen | Maize | Urad | Groundnut |
|------|----------|-------|------|-----------|
| Area | 2354 | 340 | 296 | 340 |

2.2.2.2 Rabi crops (Net sown Area)

Crop wise Rabi crops

| Crop | wheat | Coriander | Mustard | Gram |
|------|-------|-----------|---------|------|
| Area | 198 | 412 | 495 | 495 |

Result :- Low productivity

Reason :- Low fertility of land, erosion of land, slope in land area & using traditional cropping patterns.

2.2.3 Comparative Study of Agriculture Productivity for various crops :-

Crop wise Kharif Crops:-

2.2.3.1 Soyabean Productivity (Kg/Ha)

Botanical Name Glycine Max
Origin India

| | | |
|-------|-----------|-----------|
| India | Rajasthan | Pidawa II |
| 2100 | 1815 | 1250 |

2.2.3.2 Maize Productivity (Kg/Ha)

Botanical Name Zea Mize
Origin India

| | | |
|-------|----------|-----------|
| India | Rajsthan | Pidawa II |
| 1910 | 1980 | 1150 |

2.2.3.3 Urad Productivity (Kg/Ha)

Botanical Name Vigna Munga
Origin India

| | | |
|-------|----------|-----------|
| India | Rajsthan | Pidawa II |
| 1000 | 7000 | 625 |

2.2.3.4 Groundnut Productivity(Kg/Ha)

Botanical Name Arigeahypogea
Origin India

| India | Rajsthan | Pidawa II |
|-------|----------|-----------|
| 1600 | 1200 | 812 |

2.2.3.5 Wheat Productivity (Kg/Ha)

Botanical Name Triticum Astivum
Origin India

| India | Rajsthan | Pidawa II |
|-------|----------|-----------|
| 4200 | 4000 | 2800 |

2.2.3.6 Coriander Productivity (Kg/Ha)

Botanical Name Coriandum Sativum
Origin India

| India | Rajsthan | Pidawa II |
|-------|----------|-----------|
| 1089 | 1103 | 1200 |

2.2.3.7 Gram Productivity (Kg/Ha)

Botenical Name Cicer arietinum
Origin South East Europ

| India | Rajsthan | Pidawa II |
|-------|----------|-----------|
| 1400 | 1100 | 750 |

2.2.3. 8 Musterd Productivity (Kg/Ha)

Botenical Name Brasicajuncea
Origin China

| India | Rajsthan | Pidawa II |
|-------|----------|-----------|
| 1000 | 1200 | 800 |

2.3 Horticulture Status & Fuel Availability :- There are Thirteen Projects of horticulture had been established by horticulture department under Rastriya bagwani mission programme. By which they Improve there economy. This Practice needs to be boostup Farmers are full filling there demand of fuel wood by Babul and it is insufficient. Limited fuel wood available in area. There is no plantation work done to provide fuel wood at lower cost.

Table 2.3.1 Horticulture & fuel availability

| Existing area under horticulture (ha) | | | Existing area under fuel-wood (ha) | | | Existing area under fodder (ha) | | |
|---------------------------------------|--------------------|---------------------------------|------------------------------------|-------------------|------------------------------|---------------------------------|-------------------|-------------------------|
| Source/ Name of report | Year of reference | Area already under horticulture | Source/ Name of report | Year of reference | Area already under fuel-wood | Source/ Name of report | Year of reference | Area under Green Fodder |
| Villagers by Horticulture Dept. | 2004-05 to 2009-10 | 760 | By Villagers | 2009-10 | 5 | By Revenue Record | 2009-10 | 25 |

2.4 Live stock status :- In the Pidawa IWMP project, there are 1095 cows, 1137 buffalos, 827 goats, , 620 bullock. Mainly cows & buffaloes are of local breeds like Desi & Surti, Murra respectively. Availability of surface water, fodder and pasture for these animals reducing day by day. Less number of animals survive by eating crop reduces. No permanent pasture is there. Milk production is low in area. Insufficient production of milk leads poor health to children.

Table 2.4.1 Live stock status

| Sr.no. | Village | Buffalo | | Cow | | Goat | | Total milk | Bullock | Other (Horse) |
|--------|--------------|-------------|-------------|-------------|-------------|------------|------------|-------------|------------|----------------|
| | | No. | Milk (Lt.) | No. | Milk | No. | Milk | | | |
| 1 | Osav | 318 | 630 | 370 | 390 | 377 | 180 | 1200 | 218 | 3 |
| 2 | Khatkar | 303 | 600 | 367 | 350 | 71 | 25 | 975 | 78 | 1 |
| 3 | Firojpura | 82 | 160 | 101 | 80 | 83 | 30 | 270 | 32 | - |
| 4 | Khairana | 140 | 250 | 55 | 45 | 78 | 25 | 320 | 130 | 3 |
| 5 | Loti | 26 | 50 | 74 | 60 | 34 | 15 | 125 | 20 | - |
| 6 | Odiyakhedi | 268 | 530 | 128 | 110 | 184 | 80 | 720 | 142 | - |
| | Total | 1137 | 2220 | 1095 | 1035 | 827 | 355 | 3610 | 620 | 7 |

Table 2.4.2 Villagewise Availability of Fodder

Table 2.4.2 Availability of Fodder Village wise

| S.No | Name of Gram | Fodder Production (Ton) | Remark (as per table 2.III.3) |
|------|--------------|----------------------------|----------------------------------|
| 1 | Osav | 1888 | Insufficient |
| 2 | Khatkar | 1790 | Inufficient |
| 3 | Firojpura | | Inufficient |
| 4 | Khairana | 1330 | Insufficient |
| 5 | Loti | 457 | Insufficient |
| 6 | Odiyakhedi | 1985 | Insufficient |
| | Total | 7450 | |

2.5 Demography :-

2.5.1 Activity wise Social Status

| S. No. | Description of Households | Total No. of household | Population in No. | | | SC | | ST | | Others | |
|--------|---------------------------|------------------------|-------------------|-----|-------|-------------|---------|-------------|---------|-------------|---------|
| | | | M | F | Total | No. of h.h. | Members | No. of h.h. | Members | No. of h.h. | Members |
| 1 | 2 | 3 | 4a | 4b | 4d | 5a | 5b | 6a | 6b | 7a | 7b |
| (i) | Cultivators | 1050 | 2725 | 50 | 2775 | 335 | 455 | 29 | 67 | 799 | 2253 |
| (ii) | Landless Agri. Labourers | 85 | 180 | 90 | 270 | 60 | 195 | 3 | 12 | 22 | 63 |
| (iii) | Artisans | 8 | 18 | 8 | 26 | 3 | 8 | 1 | 2 | 4 | 14 |
| (iv) | BPL | 252 | 306 | 248 | 554 | 125 | 284 | 3 | 16 | 124 | 254 |
| (v) | Dairying | 20 | 30 | 10 | 40 | - | - | - | - | 20 | 40 |
| (vi) | Piggery | 1 | 2 | 1 | 3 | 1 | 3 | - | - | - | - |
| | TOTAL | 1416 | 3261 | 407 | 3668 | 524 | 945 | 36 | 97 | 969 | 2624 |

2.6 Other infrastructure facility available :- IWMP Pidawa IInd watershed is well connected with Tehsil Pidawa. All villages connected with tar / Gravel roads & electricity. All villages have primary & middle schools. Other infra Sturctured facilities are as under.

Other infrastructure facility available

| Facilities available | Osav | Khatkar | Firojpura | Khairana | Loti | Odiyakhedi |
|--|---------|---------|-----------|----------|------|------------|
| Connected to the main road by an all-weather road | Yes | Yes | Yes | Yes | Yes | Yes |
| Villages provided with electricity | Yes | Yes | Yes | Yes | Yes | Yes |
| No. of households without access to drinking water | All | All | All | All | All | All |
| No. of educational institutions : | | | | | | |
| Primary (P) / Secondary (S) / Higher Secondary (HS) | S-1 | P-1 | P-1 | S-1 | P-1 | S-1 |
| Vocational institution (VI) | NiL | NiL | NiL | NiL | NiL | NiL |
| No. of villages with access to Primary Health centre | Sub. C. | NiL | NiL | Sub. C. | NiL | Sub. C. |
| No. of villages with access to Veterinary Dispensary | NiL | NiL | NiL | NiL | NiL | NiL |
| No. of villages with access to Post Office | 1 | NiL | NiL | 1 | NiL | 1 |

| | | | | | | |
|---|----------|----------|----------|----------|----------|----------|
| No. of villages with access to Banks | NiL | NiL | NiL | NiL | NiL | NiL |
| No. of villages with access to Markets/ mandis | NiL | NiL | NiL | NiL | NiL | NiL |
| No. of villages with access to Agro-industries | NiL | NiL | NiL | NiL | NiL | NiL |
| No. of milk collection centers | PA 4 | NiL | NiL | PA 3 | NiL | PA 4 |
| (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | PA | NiL | NiL | PA | NiL | PA |
| No. of villages with access to Anganwadi Centre | 1 | 1 | 1 | 1 | 1 | 1 |
| Any other facilities with no. of villages (please specify) | NiL | NiL | NiL | NiL | NiL | NiL |
| Nearest KVK | Jhalawar | Jhalawar | Jhalawar | Jhalawar | Jhalawar | Jhalawar |
| cooperative society | 1 | NiL | NiL | NiL | NiL | NiL |
| NGOs | NiL | NiL | NiL | NiL | NiL | NiL |
| Credit institutions | NiL | NiL | NiL | NiL | NiL | NiL |
| (i) Bank | NiL | NiL | NiL | NiL | NiL | NiL |
| (ii) Cooperative Society | 1 | NiL | NiL | NiL | NiL | NiL |
| Agro Service Centre's | NiL | NiL | NiL | NiL | NiL | NiL |

Table No: 2.7.1 Activity Taken**Table No: 2.7.2 MG NREGA Family Details**

| Name of Village | No. of Total Family | Population | SC | ST | Others | Available Employee Family | No. Members | Works under MG NREGA |
|-----------------|---------------------|------------|------------|------------|------------|---------------------------|-------------|--|
| | | | No. Family | No. Family | No. Family | | | |
| Osav | 615 | 3078 | 198 | 08 | 409 | 539 | 1102 | Excavation of Talai , G/R road & kharanja etc. |
| Khatkar | 173 | 697 | 18 | - | 155 | 200 | 342 | Excavation of Talai , G/R road & kharanja etc. |
| Firojpura | 72 | 428 | 06 | 01 | 65 | 59 | 87 | Excavation of Talai , G/R road & kharanja etc. |
| Khairana | 204 | 948 | 24 | 11 | 169 | 270 | 539 | Excavation of Talai , G/R road & kharanja etc. |
| Loti | 47 | 249 | 30 | - | 17 | 82 | 185 | Excavation of Talai , G/R road & kharanja etc. |
| Odiyakhedi | 255 | 1387 | 59 | 20 | 176 | 416 | 1208 | Excavation of Talai , G/R road & kharanja etc. |

This DPR proposed activity for category 4 & Anicuts. We will like to convergence with MG NREGA to work in next year planning.

2.8 Development Indicators :-

- Stop surface runoff flowing out side from watershed area.
- Develop pasture land for villagers to full fill there need of fuel, fodder & stop migration.
- Increase productivity per Ha.
- Stables livelihood supporting activities to support land less labourers.
- Divert cropping patterns form traditional system to horticulture and modern agriculture practices.
- Improve water use efficiency by drip & sprinkler irrigation
- Provide water for drinking purpose.
- Rise in water table at down stream side to the harvesting structure.

2.9 Land Holding Details :-

| Type of Farmer | Total Households | Land holding (ha) irrigation source wise | | | Land holding (ha) Social group wise | | | |
|---------------------------|------------------|--|---------|-------|-------------------------------------|------|----|------|
| | | Irrigated (source) | Rainfed | Total | General | SC | ST | OBC |
| (i) Large farmer | 100 | 400 | 450 | 850 | 400 | | | 450 |
| (ii) Small farmer | 623 | 900 | 1200 | 2100 | 300 | 885 | 15 | 900 |
| (iii) Marginal farmer | 306 | 375 | 554 | 920 | 325 | 150 | 6 | 439 |
| (iv) Landless person | 85 | - | - | - | - | - | - | - |
| (V) No. of BPL households | 252 | | | | | | | |
| Total | 1366 | 1675 | 2204 | 3870 | 1025 | 1035 | 21 | 1789 |

CHAPTER 2

Part II - Technical feature

2.II.1 Revenue Map :- Revenue maps is based on scale 1 : 4000. Revenue records like khasra maps, khasra list has been collected and printed. All records are available at PIA level. Ridge line & contour line has been marked by SRSAC.

2.II.2 Topo Maps / Maps with drainage line :- Revenue maps traced on plastic sheets and scanned by SRSAC. SRSAC marked all topography, D.L.T. It has been attached to DPR annexure

2.II.3 Ground Water Status

| S.No | Source | No. | Functional depth | Dry | Area irrigated | Water availability(days) |
|------|--------------------|-----|------------------|-----|----------------|--------------------------|
| i) | Dug wells | 541 | 20-100 fit. | 64 | 1000 | 150-200 |
| ii) | Shallow tube wells | 24 | 180-250 fit | 13 | 215 | 170-210 |
| iii) | Deep Tube Wells | 347 | 250-700 fit | 121 | 400 | 170-300 |
| iv) | Form pond/Tanks | 19 | - | - | 20 | 90-120 |
| v) | Anicuts | 20 | - | 1 | 40 | 90-120 |
| | Total | 912 | 20-700 | 198 | 1675 | 170-210 |

2.II.4 AVAILABILITY OF DRINKING WATER

| S. NO | VILLAGE NAME | NO. OF DAYS IN A YEAR | SOURCE OF DRINKING WATER | QUALITY | NO. OF FUNCTION | | | | NO. OF REPAIR REQUAIR | NO. OF DEFIND |
|-------|--------------|-----------------------|--|---------------------------------|-----------------|-------|------|-----|-----------------------|---------------|
| | | | | | चालु | मोसमी | सुखा | कुल | | |
| 1. | Osav | 290-320 | पेयजल टंकी, कुआ, हेण्डपम्प, टूयूबवैल, | safe for drinking | 16 | 2 | 2 | 20 | NO | NO |
| 2 | Khatkar | 290-320 | पेयजल टंकी, कुआ, हेण्डपम्प, टूयूबवैल, | | 4 | - | 5 | 9 | NO | NO |
| 3 | Firojpura | 250-300 | टूयूबवेल, हेण्डपम्प, कुआ | | 3 | 1 | - | 4 | NO | NO |
| 4 | Khatkar | 290-320 | पेयजल टंकी, कुआ | | 6 | 1 | 1 | 8 | NO | NO |
| 5 | Loti | 250-300 | पेयजल टंकी, कुआ, टूयूबवैल | | 3 | - | - | 3 | NO | NO |
| 6 | Odiyakhedi | 300-350 | पेयजल टंकी, कुआ, टूयूबवैल | | 8 | 2 | 1 | 11 | NO | NO |

2.II.5 Slope Details :-

| Slope of Watershed | | |
|--------------------|------------------|------------------|
| S.No. | Slope percentage | Area in hectares |
| 1 | 0 to 3% | 3538 |
| 2 | 3 to 8% | 1906 |
| 3 | 8 to 25% | - |
| 4 | > 25% | - |

As most of the area has slope less than 3% construction of contour bunds can solve the problem of water erosion in agriculture fields and protect washing of top soil and manures/fertilisers

2.II.6 Available surface runoff :-

Available surface runoff Based on average rainfall :- It has been calculated on the basis of Streng's table . Maximum rain fall intensity of area is 6 cm/hr. Total monsoon rainfall 900 mm. per year

Table 2.II.5.1 Total runoff available

| Name of Village | Area | % of runoff to rainfall | Yield of runoff from catchments per ha.(cum.) | Total runoff available | Type of catchments |
|------------------------|-------------|--------------------------------|--|-------------------------------|---------------------------|
| OSAV | 1257 | 25.5 | 2240 | 2815680 | Good |
| KHATKAR | 1100 | 25.5 | 2240 | 2464000 | Good |
| FIROJPURA | | | | | |
| KHAIRANA | 864 | 25.5 | 2240 | 1935360 | Good |
| LOTI | 293 | 25.5 | 2240 | 656320 | Good |
| ODIYAKHEDI | 1930 | 25.5 | 2240 | 4323200 | Good |
| Total | 5444 | | | 12194560 | |

2.II.7 Soil Map & Soil Details :-

| | | | |
|---|--------------------------------------|----------------|----------------|
| 1 | Soil Profile | | |
| | S.No | Soil Classes | Area (Ha) |
| | 1 | Black lime | 3538 |
| | 2 | Ordinary morum | 1906 |
| | Total | | 5444 |
| 2 | Soil Depth (CM) | | |
| | 1 | 0 to 7.50 | 344 |
| | 2 | 7.5 to 45 | 5100 |
| | Total | | 5444 |
| 3 | Soil Fertility Status (Kg/ha) | | |
| | N | 0.52 to 0.65 | |
| | P | 25 to 35 | |
| | K | 356 above | |
| 4 | Micro Nutrient | | Range |
| | Zn | | 1.65 to 1.76 |
| | Fe | | 14.55 to 14.65 |
| | Cu | | 3.90 to 3.95 |
| | Mn | | 37.5 to 37.55 |

2.II.8 Climatic and Hydrological information :-

Name of Agro climatic Zone DDP :- DDP II A

| 1 | Average Annual Rainfall(mm) | |
|------|-----------------------------|-----------------------------|
| S.No | Year | Average Annual Rainfall(mm) |
| 1 | 2001 | - |
| 2 | 2002 | - |
| 3 | 2003 | - |
| 4 | 2004 | 1392 |
| 5 | 2005 | 1027 |
| 6 | 2006 | 1839 |
| 7 | 2007 | 648 |
| 8 | 2008 | 603 |
| 9 | 2009 | 752 |
| 10 | 2010 | 719 |
| 11 | 15.Aug 2011 | 786 |

| 2 | Average Monthly rain fall in rainy season | | | |
|-------|---|------|-----|------|
| S.No. | June | July | Aug | Sept |
| 1 | 110 | 180 | 350 | 260 |

| 3 | | |
|--|--------------------|------------------------|
| Maximum rainfall intensity (mm) | | |
| S.No.. | Duration | rainfall intensity(mm) |
| (i) | 15 minute duration | 10 |
| (ii) | 30 minute duration | 25 |
| (iii) | 60 minute duration | 40 |

| 4 | | | |
|-------------------------------|---------------|-----|-----|
| Temperature (Degree C) | | | |
| S.No.. | Season | Max | Min |
| (i) | Summer Season | 45 | 27 |
| (ii) | Winter Season | 17 | 3 |
| (iii) | Rainy Season | 36 | 14 |

2.II.9 :- Erosion status in project Area :- Project Area is effected by water erosion such that loss of soil fertility take place every year. Production depleting year by year. It is major problem of watershed

| Cause | Type of erosion | Area affected (ha) | Run off(mm/ year) | Average soil loss (Tonnes/ ha/ year) |
|------------------|-----------------|--------------------|-------------------|--------------------------------------|
| Water erosion | | | | |
| a | Sheet | 710 | 110 | 7-9 |
| b | Rill | 205 | 30 | 4-5 |
| c | Gully | 290 | 80 | 15-20 |
| Sub-Total | | 1205 | 220 | 26-34 |

CHAPTER 2 –Part – III

2.III Problems, Demand & Scope for Comprehensive area development

2.III.1 Natural Resources Management (NRM) :- There is no management to store rain water due to black cotton soil has low water holding capacity. So runoff water drained out through nalla to river. Soil erosion due to excess rain fall in short duration.

Cultivators are demanding bunding, Talai , Checkdam, Water Harversting Structure in there fields.

with the help of PRA with villagers & Survey of the area we proposed the Water Harvesting Structures at appropriate place consent with local farmers.

2.III.2 Agricultural & Horticultural Gap Analysis :- Loss of Agricultural Production due to improper cultivation. Farmer have not in practice to use improved variety of seeds. They are using excess quantity of chemical fertilizers. They are unaware of Crop Rotation practices. Only few farmers are producing horticultural plantation.

To train the farmer for proper cultivation practices. Crop demonstration through improved variety of seeds. In wheat they are using varieties Lockwan / 3077 and proposed to use improved variety of Wheat Raj4037 / Raj3765 / GW177 / GW190. In Soyabean they are using Varieties GS335 / PK472 & proposed to use improved variety of Soyabean JS9560 / JS93-05 / Pratap Soya 1 / NRC7. In Mustard they are using Pusa Bold / Pusa Jaikisan / RS30 & proposed to use improved variety of Mustard DMH-1/ Vasundhara / RN-393 (Aravali). In Gram they are using varieties Desi / Daud Yellow & proposed to use improved variety of gram GNG 149 / C235 / BG-256. In Coriander they are using varieties Desi & proposed to use improved variety of coriander RCR-436 / RCR-41 / RCR-684 / RCR-20. In Maize they are using varieties Desi Ganga-2 & Ganga -5 & proposed to use improved of Maize Mahi Kanchan / Mahi Dhanan / Navjot. To train farmers for organic manuring and associate with horticultural department for drip irrigation in horticultural plantation.

2.III.3 Live Stock Gap of Fodder Availability -

| S.No | Name of Gram | Required Fodder (Ton) | Production of Fodder (Ton) | Gap in Availability & Production (Ton) |
|------|--------------|-----------------------|----------------------------|--|
| 1 | OSAV | 1999 | 1888 | 111 |
| 2 | KHATKAR | 1850 | 1790 | 60 |
| 3 | FIROJPURA | | | |
| 4 | KHAIRANA | 1388 | 1330 | 58 |
| 5 | LOTI | 545 | 457 | 88 |
| 6 | ODIYAKHEDI | 2168 | 1985 | 183 |
| | Total | 7950 | 7450 | 500 |

2.III.4 Livelihood :-

Following works have been proposed through watershed program so that village community get regular employment after completion of project . During programme every work will be done by user group & they will get employment.

Farmers who have sufficient source of water in their field. They will trained for Horticulture plantation & Kitchen garden so that they can have extra income through cash crop along with agriculture crops.

Farmers who have no source or limited source of water in their fields Agro forestry plants will be provided to them free of cost to raise there income.

Land less families have been identified according to their interest training will be provided. They are interested in work like Floor Mill / Kirana Shop/ Cycle Repairing / Tea Stall & Manufacturing of Disposals / Candels , Insence Stics etc. After training they will get revolving funds from watershed for self employment to raise the Socio economic condition.

Formation of self help group. Get them trained are linkage with banks for self employment.

Un encroachment of available pasture land and developed with the horticulture plantation such as Awala, Boor, Karonda through National Horticulture. It will create the income of Gram Panchayat.

3.1 Production System & Micro Enterprises Agriculture based & Non Agriculture :-

3.1.1. Storage Unit of Onion / Garlic: -

In Project Area cultivators are producing Garlic & Onion in some part of Gram Panchayats . They have the major problem of storage. They are not in position to store Garlic & Onion at safe place. That is why they are not getting proper market price in off season.

For betterment of Cultivator project will install a storage unit of onion / Garlic in Osav Village. So they can keep their products through out the year.

The Rajasthan Horticulture development society Jaipur will provided 50% subsidy in the installation cost of storage unit.

3.2.1 SHG Groups

Table 3.5.1 New SHG Group

| Sr. No. | Name of SHG | Members | Activity involved | Monthly income | Fund available | Connectivity Bank | Source of assistance | Training received |
|---------|------------------|---------|-------------------|----------------|----------------|--------------------------------|----------------------|-------------------|
| 1 | Ramdev | 12 | Small saving | 1200 | 5000 | Jhalawar Cor.Bank Pidawa | IWMP JHALAWAR - II | Nil |
| 2 | Dali bai | 12 | Small saving | 1200 | 6000 | Jhalawar Cor.Bank Pidawa | IWMP JHALAWAR - III | Nil |
| 3 | Shri Ram | 10 | Small saving | 1000 | 2000 | Jhalawar Cor.Bank Pidawa | IWMP JHALAWAR - II | Nil |
| 4 | Maa Vaishno Devi | 10 | Small saving | 2000 | 4000 | Hadoti Bank Hemda | IWMP JHALAWAR - II | Nil |
| 5 | Annpurna | 10 | Small saving | 1000 | 1000 | - | IWMP JHALAWAR - II | Nil |
| 6 | Maa Rata Dev | 10 | Small saving | 1000 | 2000 | Hadoti Bank Hemda | IWMP JHALAWA | Nil |
| 7 | Kshatriya | 10 | Small saving | 1000 | 6060 | Jhalawar Cor.Bank Pidawa - | IWMP JHALAWAR - II | Nil |
| 8 | Bajrang | 10 | Small saving | 1000 | 6040 | Jhalawar Cor.Bank Pidawa -- | IWMP JHALAWAR - II | Nil |
| 9 | Shiv Shanker | 10 | Small saving | 2000 | 2000 | - | IWMP JHALAWAR - II | Nil |
| 10 | Disha | 10 | Small saving | 1000 | 1000 | - | IWMP JHALAWAR - II | Nil |
| 11 | Mahalaxmi | 10 | Small saving | 1000 | 1000 | - | IWMP JHALAWAR - II | Nil |

Table 3.2.2 Existing SHG Groups

| | | | | | | | | |
|----|----------------|----|---|------|-------|----------------------------|----|-----|
| 1 | Vandana | 10 | - | 300 | 1800 | Hadoti Bank Hemda | .- | Nil |
| 2 | Sharda | 10 | - | 300 | 2000 | Hadoti Bank Hemda | - | Nil |
| 3 | Bhart Mata | 10 | - | 200 | 500 | Hadoti Bank Hemda | - | Nil |
| 4 | Bhola Nath | 10 | - | 1500 | 9000 | Hadoti Bank Hemda | - | Nil |
| 5 | Maa Raata Devi | 10 | - | 750 | 5500 | Hadoti Bank Hemda | - | Nil |
| 6 | Pratap | 10 | - | 1000 | 3000 | Hadoti Bank Hemda | - | Nil |
| 7 | Nakoda | 10 | - | 500 | 500 | Hadoti Bank Hemda | | Nil |
| 8 | Atal | 10 | - | 1000 | 4000 | Hadoti Bank Hemda | - | Nil |
| 9 | Mahaveer | 10 | - | 500 | 40000 | Hadoti Bank Hemda | - | Nil |
| 10 | Amar | 10 | - | 1000 | 1000 | Hadoti Bank Hemda | - | Nil |
| 11 | Meera Bai | 10 | | 200 | 200 | Hadoti Bank Hemda | - | Nil |
| 12 | Maa Durga | 10 | | 1000 | 8000 | Jhalwar Cor.Bank Pidawa | - | Nil |
| 13 | Kamal | 10 | - | 250 | 3000 | Jhalwar Cor.Bank Pidawa | - | Nil |
| 14 | Shri Ram | 10 | - | 1000 | 6000 | S.B.B.J. Pidawa | - | Nil |
| 15 | Lamxi | 11 | - | 1000 | 14825 | Jhalwar Cor.Bank Pidawa | - | Nil |
| 16 | Parvati | 10 | - | 1000 | 5000 | Jhalwar Cor.Bank Pidawa | - | Nil |
| 17 | Yashoda | 10 | - | 1000 | 13000 | Jhalwar Cor.Bank Pidawa | - | Nil |
| 18 | Mrignayani | 10 | - | 1000 | 1000 | - | - | Nil |
| 19 | Chandra Mukhi | 10 | - | 1000 | 1000 | | - | Nil |
| 20 | Sahayata | 10 | - | 1000 | 1000 | - | - | Nil |

3.3 Agricultur Land Activity :-

3.6.1 Table Farmers Agriculture Instrument

| S.No | Name of Village | Tractor | Sprayers | | Cultivators/ Harrows | tkarSeeddrill |
|------|-----------------|---------|----------|-------|-------------------------|---------------|
| | | | Meanul | Power | | |
| 1 | Osav | 32 | 95 | 9 | 28 | 24 |
| 2 | Khatkar | 9 | 68 | 7 | 9 | 6 |
| 3 | Firojpura | 1 | 8 | - | 2 | 1 |
| 4 | Khairana | 19 | 79 | 6 | 18 | 17 |
| 5 | Loti | 1 | 8 | 1 | 1 | 1 |
| 6 | Odiyakhedi | 23 | 67 | 7 | 20 | 19 |
| | Total | 85 | 325 | 30 | 78 | 68 |

4.MIGRATION DETAILS :-

| S. NO. | NAME OF VILLAGE | NO. OF PERSONS MIGRATING | NO. OF DAYS PER YEAR OF MIGRATING | MAJOR REASONS FOR MIGRATING | DISTANCE OF DESTINATION OF MIGRATING FROM THE VILLAGE(km.) | OCCUPATION DURING MIGRATION | INCOM FROM SUCH OCCUPATION (Rs. In lakh) |
|--------|-----------------|--------------------------|-----------------------------------|--|--|-----------------------------|--|
| 1. | ओसाव | 35 | 90-120 | पर्याप्त मजदुरी की दर ना मील पाना / मजदुरी का आभाव | 20-100 | बेलदारी एवं अन्य | 472500-630000 |
| 2. | खटकड़ | 15 | 90-120 | | 20-100 | | 135000-180000 |
| 3. | फिरोजपुरा | 8 | 90-120 | | 20-100 | | 108000-144000 |
| 4. | खैराना | 25 | 90-120 | | 20-100 | | 337500-450000 |
| 5. | लोटी | 8 | 90-120 | | 20-100 | | 108000-144000 |
| 6. | ओड़ियाखेड़ी | 25 | 90-120 | | 20-100 | | 337500-450000 |
| कुल | | 116 | 90-120 | | | | |

5. PLANNING /Annual Action Plan

AREA :- 5444 hac.

Annual Action Plan (Financial)

Who will enter: PIA

Data capture Level : Project wise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Target(Rs. In lacs) | | | | | Total (Rs. In lacs) |
|--|-------------------------------|---------------------|---------------------|---------|---------|---------|---------|------------------------|
| | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1. Aministartive Cost | 1.1 Salary | 15.248 | – | 3.812 | 3.812 | 3.812 | 3.812 | 15.248 |
| | 1.2 Others | 4.351 | – | 1.088 | 1.088 | 1.088 | 1.087 | 4.351 |
| | 1.3.Administration (PIA) | 45.730 | 6.858 | 11.433 | 11.433 | 11.433 | 4.573 | 45.730 |
| 2. Monitoring | 2.1 | 3.920 | – | 0.980 | 0.980 | 0.980 | 0.980 | 3.920 |
| | 2.2 Monatring (SLNA SWCDC) | 2.613 | – | – | – | – | – | 2.613 |
| 3. Evaluation | | 6.533 | – | – | – | – | - | 6.533 |
| 4. EPA | | 26.131 | 26.131 | – | – | – | – | 26.131 |
| 5. Institution & Capacity Building (A) | 5.1 SHG Formation | 2.384 | 0.953 | 0.477 | 0.477 | 0.477 | – | 2.384 |
| | 5.2 UG Formation | 4.769 | 1.907 | 0.954 | 0.954 | 0.954 | – | 4.769 |
| | 5.3 Formation of | 4.769 | 1.907 | 0.954 | 0.954 | 0.954 | – | 4.769 |

| | | | | | | | | |
|---|--|----------------------------|-------|-------|--------|-------|-------|--------|
| | Federation | | | | | | | |
| | 5.4 Capacity building | 4.769 | 1.907 | 0.954 | 0.954 | 0.954 | - | 4.769 |
| | 5.5 Others | 7.153 | 2.860 | 1.431 | 1.431 | 1.431 | - | 7.153 |
| (B) Institution Capacity (Building SLNA&WCDC) | | 8.819 | - | - | - | - | - | 8.819 |
| 6.DPR | 6.1 Preparation Of DPR | 6.533 | 6.533 | - | - | - | - | 6.533 |
| 7.Watershed Development Works | 7.1 Land Development (Productive use) | 1.1.1 Afforestation | - | 0.392 | 0.588 | 0.588 | 0.392 | 1.960 |
| | | 1.1.2 Horticulture | - | 0.392 | 0.588 | 0.588 | 0.392 | 1.960 |
| | | 1.1.3 Agriculture | - | 0.523 | 0.784 | 0.784 | 0.522 | 2.613 |
| | | 1.1.4 Pasture | - | 5.226 | 7.839 | 7.840 | 5.226 | 26.131 |
| | 7.2 Soil & Moisture Conservation | 7.2.1 Straggred trecnching | - | 0.49 | 0.735 | 0.735 | 0.49 | 2.450 |
| | | 7.2.2 Countour Bunding | - | 7.839 | 11.759 | 11.76 | 7.839 | 39.197 |
| | | 7.2.3 Graded Bunding | - | 3.92 | 5.88 | 5.88 | 3.922 | 19.600 |
| | | 7.2.4 Bench Terracing | - | 0.882 | 1.323 | 1.323 | 0.882 | 4.410 |
| | | 7.2.5 Others | - | 6.467 | 9.700 | 9.701 | 6.467 | 32.335 |
| | 7.3 Vegetative and Engineering Structure | 7.3.1 Earthen Checks | - | 5.226 | 7.840 | 7.840 | 5.225 | 26.131 |
| | | 7.3.2 Brasshood Checks | - | - | - | - | - | - |
| | | 7.3.3 Gully plugs | - | 2.614 | 3.919 | 3.919 | 2.614 | 13.066 |
| | | 7.3.4 Loose bolder | - | 0.915 | 1.371 | 1.371 | 0.916 | 4.573 |

Annual Action Plan (Physical)

Who will enter: PIA

Data capture Level : Projectwise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Unit (ha/nos/Rmt/Cubic meter) | Target | | | | | total |
|-------------------------------|---------------------------------------|----------------------------|-------------------------------|---------|---------|---------|---------|---------|-------|
| | | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1.Watershed Development Works | 1.1 Land Development (Productive use) | 1.1.1 Afforestation | Ha 34 | - | 6 | 12 | 11 | 5 | 34 |
| | | 1.1.2 Horticulture | Ha 21 | - | 4 | 8 | 6 | 3 | 21 |
| | | 1.1.3 Agriculture | Ha 97 | - | 21 | 28 | 28 | 20 | 97 |
| | | 1.1.4 Pasture | Ha 168 | - | 86 | 50 | 9 | 33 | 168 |
| | 1.2 Soil & Moisture Conservation | 1.2.1 Straggred trectching | Ha 29 | - | 5 | 10 | 9 | 5 | 29 |
| | | 1.2.2 Countour Bunding | Ha 1055 | - | 235 | 295 | 295 | 230 | 1055 |
| | | 1.2.3 Graded Bunding | Ha 118 | - | 24 | 35 | 35 | 24 | 118 |
| | | 1.2.4 Bench Terracing | Ha 114 | - | 23 | 35 | 34 | 22 | 114 |

| | | | | | | | | | |
|--------|--|---------------------------------------|----------------------|----|------|------|------|------|-------|
| | | 1.2.5 Others | Ha 171 | - | 34 | 52 | 52 | 33 | 171 |
| | 1.3 Vegetative and Engineering Structure | 1.3.1 Earthen Checks | Cubic meter 24100 | - | 5450 | 6700 | 6700 | 5250 | 24100 |
| | | 1.3.2 Brasshood Checks | Rmt - | - | - | - | - | - | - |
| | | 1.3.3 Gully plugs | Cubic meter 12680 | - | 2690 | 3750 | 3650 | 2590 | 12680 |
| | | 1.3.4 Loose bolder | Cubic meter 655 | - | 141 | 189 | 189 | 136 | 655 |
| | | 1.3.5 Gaveian structure | Cubic meter - | - | - | - | - | - | - |
| | | 1.3.6 Others | Nos 94 | - | 18 | 29 | 29 | 18 | 94 |
| | 1.4 Water Harvesting Structure | 1.4.1 Farm ponds | Nos 12 | - | 3 | 4 | 3 | 2 | 12 |
| | | 1.4.2 Check dams | Nos 17 | - | 3 | 6 | 5 | 3 | 17 |
| | | 1.4.3 Nallah Bunds | Nos 5100 | - | 1150 | 1500 | 1400 | 1050 | 5100 |
| | | 1.4.4 Percolation tanks | Nos 7 | - | 1 | 3 | 3 | - | 7 |
| | | 1.4.5 Ground Water recharge structure | Nos 19 | - | 4 | 7 | 5 | 3 | 19 |
| | | 1.4.6 Others | Nos 104 | - | 20 | 32 | 32 | 20 | 104 |
| 2. EPA | 2.1 No. of EPA activities | | Nos 35 | 35 | - | - | - | - | 35 |

5.1 PLANNING /Annual Action Plan

OSAV

AREA :- 2357 hac

Annual Action Plan (Financial)

Who will enter: PIA

Data capture Level : Project wise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Target(Rs. In lacs) | | | | | Total (Rs. In lacs) |
|---------------------------------------|-----------------------------|---------------------|---------------------|---------|---------|---------|---------|------------------------|
| | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1. Aministartive Cost | 1.1 Salary | | – | 1.646 | 1.646 | 1.646 | 1.646 | 6.584 |
| | 1.2 Others | | 0.285 | 0.475 | 0.475 | 0.475 | 0.190 | 1.901 |
| | 1.3 Administration (PIA) | | 2.97 | 4.95 | 4.95 | 4.95 | 1.98 | 19.80 |
| 2. Monitoring | 2.1 | | – | 0.339 | 0.679 | 0.509 | 0.17 | 1.697 |
| | 2.2 Monatring (SLNA SWCDC) | | – | – | – | – | – | 1.131 |
| 3. Evaluation | | | – | – | – | – | – | 2.828 |
| 4. EPA | | | – | 11.313 | – | – | – | 11.313 |
| 5. Institution & Capacity Building(A) | 5.1 SHG Formation | | 0.40 | 0.26 | 0.25 | 0.122 | – | 1.032 |
| | 5.2 UG Formation | | 0.62 | 0.50 | 0.50 | 0.444 | – | 2.064 |
| | 5.3 Formation of Federation | | 0.62 | 0.50 | 0.50 | 0.444 | – | 2.064 |

| | | | | | | | | |
|---|--|-------------------------------|------|--------|--------|--------|--------|--------|
| | 5.4 Capacity building | | 0.62 | 0.50 | 0.50 | 0.444 | – | 2.064 |
| | 5.5 Others | | 1.24 | 0.62 | 0.62 | 0.619 | – | 3.099 |
| (B) Institution&Cap acity Building SLNA&WCDC | | | – | – | – | – | – | 3.818 |
| 6.DPR | 6.1 Preparation Of DPR | | 0.85 | 0.70 | 0.70 | 0.578 | – | 2.882 |
| 7. Watershed Development Works | 7.1 Land Development (Productive use) | 7.1.1 Afforestation | – | 0.1696 | 0.2544 | 0.2544 | 0.1696 | 0.848 |
| | | 7.1.2 Horticulture | – | 0.1696 | 0.2544 | 0.2544 | 0.1696 | 0.848 |
| | | 7.1.3 Agriculture | – | 0.2262 | 0.3393 | 0.3393 | 0.2262 | 1.131 |
| | | 7.1.4 Pasture | – | 2.2630 | 3.3945 | 3.3945 | 2.2630 | 11.315 |
| | 7.2 Soil & Moisture Conservation | 7.2.1 Straggred trecnching | – | 0.212 | 0.318 | 0.318 | 0.212 | 1.060 |
| | | 7.2.2 Countour Bunding | – | 3.394 | 5.091 | 5.091 | 3.394 | 16.970 |
| | | 7.2.3 Graded Bunding | – | 1.697 | 2.5455 | 2.5455 | 1.697 | 8.4854 |
| | | 7.2.4 Bench Terracing | – | 0.3818 | 0.5727 | 0.5727 | 0.3818 | 1.909 |
| | | 7.2.5 Others | – | 2.8004 | 4.2006 | 4.2006 | 2.8004 | 14.002 |
| | 7.3 Vegetative and Engineering Structure | 7.3.1 Earthen Checks | – | 1.855 | 2.779 | 2.779 | 1.854 | 9.267 |
| | | 7.3.2 Brushhood Checks | – | – | – | – | – | – |
| | | 7.3.3 Gully plugs | – | 1.131 | 1.697 | 1.697 | 1.131 | 5.656 |

..... Annual Action Plan (Physical)

Who will enter: PIA

Data capture Level : Projectwise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Unit (ha/nos/Rmt/Cubic meter) | Target | | | | | Total |
|-------------------------------|---------------------------------------|---------------------|-------------------------------|---------|---------|---------|---------|---------|-------|
| | | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1.Watershed Development Works | 1.1 Land Development (Productive use) | 1.1.1 Afforestation | Ha 15 | – | 3 | 5 | 5 | 2 | 15 |
| | | 1.1.2 Horticulture | Ha 8 | – | 2 | 3 | 2 | 1 | 8 |
| | | 1.1.3 Agriculture | Ha 42 | – | 9 | 12 | 12 | 9 | 42 |
| | | 1.1.4 Pasture | Ha 73 | – | 18 | 20 | 20 | 15 | 73 |

| | | | | | | | | | |
|--|--|---------------------------|---------------------|---|------|------|------|------|------|
| | 1.2 Soil & Moisture Conservation | 1.2.1 Straggred trencning | Ha 12 | – | 2 | 4 | 4 | 2 | 12 |
| | | 1.2.2 Countour Bunding | Ha 430 | – | 100 | 115 | 115 | 100 | 430 |
| | | 1.2.3 Graded Bunding | Ha 50 | – | 10 | 15 | 15 | 10 | 50 |
| | | 1.2.4 Bench Terracing | Ha 49 | – | 10 | 15 | 15 | 9 | 49 |
| | | 1.2.5 Others | Ha 72 | – | 16 | 20 | 20 | 16 | 72 |
| | 1.3 Vegetative and Engineering Structure | 1.3.1 Earthen Checks | Cubic meter 9400 | – | 2300 | 2500 | 2500 | 2100 | 9400 |
| | | 1.3.2 Brasshood Checks | Rmt | – | – | – | – | – | – |
| | | 1.3.3 Gully plugs | Cubic meter 5600 | – | 1300 | 1600 | 1500 | 1200 | 5600 |
| | | 1.3.4 Loose bolder | Cubic meter 280 | – | 60 | 80 | 80 | 60 | 280 |

| | | | | | | | | | |
|---------------------------|--------------------------------|---------------------------------------|-------------|----|-----|-----|-----|-----|------|
| | | 1.3.5 Gaveian structure | Cubic meter | – | – | – | – | – | – |
| | | 1.3.6 Others | Nos 44 | – | 8 | 14 | 14 | 8 | 44 |
| | 1.4 Water Harvesting Structure | 1.4.1 Farm ponds | Nos 5 | – | 1 | 2 | 1 | 1 | 5 |
| | | 1.4.2 Check dams | Nos 7 | – | 1 | 3 | 2 | 1 | 7 |
| | | 1.4.3 Nallah Bunds | Nos 2200 | – | 500 | 700 | 600 | 400 | 2200 |
| | | 1.4.4 Percolation tanks | Nos 3 | – | 1 | 1 | 1 | – | 3 |
| | | 1.4.5 Ground Water recharge structure | Nos 8 | – | 2 | 3 | 2 | 1 | 8 |
| | | 1.4.6 Others | Nos 44 | | 8 | 14 | 14 | 8 | 44 |
| 2. EPA | 2.1 No. of EPA activities | | Nos 12 | 12 | | | | | 12 |
| 3. Institution & Capacity | 3.1 SHG Formation | | Nos 34 | 12 | 8 | 7 | 7 | – | 34 |

| | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|
| tion Phase | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|

5.2 PLANNING /Annual Action Plan

KHAIRANA

AREA :- 1157 hac

Annual Action Plan (Financial)

Who will enter: PIA

Data capture Level : Project wise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Target(Rs. In lacs) | | | | | Total (Rs. In lacs) |
|-----------------------|-------------------------------|---------------------|---------------------|---------|---------|---------|---------|------------------------|
| | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1. Aministartive Cost | 1.1 Salary | | – | 0.841 | 0.841 | 0.841 | 0.841 | 3.364 |
| | 1.2 Others | | – | 0.32 | 0.32 | 0.32 | 0.32 | 1.28 |
| | 1.3 Administration (PIA) | | 1.457 | 2.430 | 2.430 | 2.430 | 0.972 | 9.719 |
| 2. Monitoring | 2.1 | | – | 0.167 | 0.333 | 0.249 | 0.084 | 0.833 |
| | 2.2 Monatring (SLNA SWCDC) | | | | | | | 0.555 |
| 3. Evaluation | | | | | | | | 1.388 |
| 4. EPA | | | 5.55 | – | – | – | – | 5.55 |

| | | | | | | | | |
|--|---------------------------------------|----------------------------|-------|-------|-------|-------|-------|-------|
| 5. Institution & Capacity Building (A) | 5.1 SHG Formation | | 0.216 | 0.101 | 0.101 | 0.102 | - | 0.52 |
| | 5.2 UG Formation | | 0.405 | 0.203 | 0.203 | 0.2.2 | - | 1.013 |
| | 5.3 Formation of Federation | | 0.405 | 0.203 | 0.203 | 0.2.2 | - | 1.013 |
| | 5.4 Capacity building | | 0.405 | 0.203 | 0.203 | 0.2.2 | - | 1.013 |
| | 5.5 Others | | 0.608 | 0.304 | 0.304 | 0.305 | - | 1.521 |
| (B) Institution&Capacity Building (SLNA&WCDC) | | | | | | | | 1.388 |
| 6.DPR | 6.1 Preparation Of DPR | | 1.388 | - | - | - | - | 1.388 |
| 7.Watershed Development Works | 7.1 Land Development (Productive use) | 7.1.1 Afforestation | - | 0.08 | 0.12 | 0.12 | 0.08 | 0.40 |
| | | 7.1.2 Horticulture | - | 0.08 | 0.12 | 0.12 | 0.08 | 0.40 |
| | | 7.1.3 Agriculture | - | 0.12 | 0.18 | 0.18 | 0.12 | 0.60 |
| | | 7.1.4 Pasture | - | 1.108 | 1.662 | 1.662 | 1.11 | 5.542 |
| | 7.2 Soil & Moisture Conservation | 7.2.1 Straggred trecnching | - | 0.10 | 0.15 | 0.15 | 0.10 | 0.50 |
| | | 7.2.2 Countour Bunding | - | 1.60 | 2.40 | 2.40 | 1.60 | 8.00 |
| | | 7.2.3 Graded Bunding | - | 0.80 | 1.20 | 1.20 | 0.80 | 4.00 |
| | | 7.2.4 Bench Terracing | - | 0.20 | 0.30 | 0.30 | 0.20 | 1.00 |
| | | 7.2.5 Others | - | 1.465 | 2.198 | 2.198 | 1.465 | 7.326 |

| | | | | | | | | |
|--|--|---------------------------------------|---|-------|-------|-------|-------|--------|
| | | | | | | | | |
| | | | - | | | | | |
| | 7.3 Vegetative and Engineering Structure | 7.3.1 Earthen Checks | - | 1.10 | 1.65 | 1.65 | 1.10 | 5.50 |
| | | 7.3.2 Brasshood Checks | - | - | - | - | - | - |
| | | 7.3.3 Gully plugs | - | 0.50 | 0.75 | 0.75 | 0.50 | 2.50 |
| | | 7.3.4 Loose bolder | - | 0.20 | 0.30 | 0.30 | 0.20 | 1.00 |
| | | 7.3.5 Gaveian structure | - | - | - | - | - | - |
| | | 7.3.6 Others | - | 0.976 | 1.466 | 1.466 | 0.976 | 4.884 |
| | 7.4 Water Harvesting Structure | 7.4.1 Farm ponds | - | 1.20 | 1.80 | 1.80 | 1.20 | 6.00 |
| | | 7.4.2 Check dams | - | 2.40 | 3.60 | 3.60 | 2.40 | 12.00 |
| | | 7.4.3 Nallah Bunds | - | 1.20 | 1.80 | 1.80 | 1.20 | 6.00 |
| | | 7.4.4 Percolation tanks | - | 0.60 | 0.90 | 0.90 | 0.60 | 3.00 |
| | | 7.4.5 Ground Water recharge structure | - | 1.730 | 2.596 | 2.596 | 1.730 | 8.652 |
| | | 7.4.6 Others | - | 1.20 | 1.80 | 1.80 | 1.20 | 6.00 |
| 8.Livelihood activities for the asset-less persons | | | - | 3.471 | 3.471 | 3.471 | - | 10.413 |
| 9.Production system & micro-enterprises | | | - | 3.471 | 3.471 | 3.471 | - | 10.413 |

| | | | | | | | | |
|-----------------------------------|--|--|---|---|---|---|------|---------------|
| 10.Consolidation Phase (A) | | | - | - | - | - | 3.61 | 3.61 |
| (B) Concalodation (SLNA&WCDC&PIA) | | | | | | | | 0.555 |
| TOTAL | | | | | | | | 138.84 |

..... Annual Action Plan (Physical)

Who will enter: PIA

Data capture Level : Projectwise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Unit (ha/nos/Rmt/Cubic meter) | Target (Hac.) | | | | | Total |
|-------------------------------|---------------------------------------|---------------------|-------------------------------|---------------|---------|---------|---------|---------|-------|
| | | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1.Watershed Development Works | 1.1 Land Development (Productive use) | 1.1.1 Afforestation | Ha 7 | - | 1 | 3 | 2 | 1 | 7 |
| | | 1.1.2 Horticulture | Ha 7 | - | 1 | 3 | 2 | 1 | 7 |
| | | 1.1.3 Agriculture | Ha 25 | - | 6 | 7 | 7 | 5 | 25 |
| | | 1.1.4 Pasture | Ha 35 | - | 8 | 10 | 9 | 8 | 35 |

| | | | | | | | | | |
|--------|--|---------------------------------------|------------------|----|------|------|------|------|------|
| | 1.2 Soil & Moisture Conservation | 1.2.1 Straggred trencning | Ha 7 | – | 1 | 3 | 2 | 1 | 7 |
| | | 1.2.2 Countour Bunding | Ha 275 | – | 65 | 75 | 75 | 60 | 275 |
| | | 1.2.3 Graded Bunding | Ha 28 | – | 6 | 8 | 8 | 6 | 28 |
| | | 1.2.4 Bench Terracing | Ha 25 | – | 5 | 8 | 7 | 5 | 25 |
| | | 1.2.5 Others | Ha 39 | – | 8 | 12 | 12 | 7 | 39 |
| | 1.3 Vegetative and Engineering Structure | 1.3.1 Earthen Checks | Cubic meter 5500 | – | 1350 | 1400 | 1400 | 1350 | 5500 |
| | | 1.3.2 Brasshood Checks | Rmt – | – | – | – | – | – | – |
| | | 1.3.3 Gully plugs | Cubic meter 2880 | – | 490 | 750 | 750 | 490 | 2880 |
| | | 1.3.4 Loose bolder | Cubic meter 145 | – | 35 | 40 | 40 | 30 | 145 |
| | | 1.3.5 Gaveian structure | Cubic meter – | – | – | – | – | – | – |
| | | 1.3.6 Others | Nos 20 | – | 4 | 6 | 6 | 4 | 20 |
| | 1.4 Water Harvesting Structure | 1.4.1 Farm ponds | Nos 3 | – | 1 | 1 | 1 | – | 3 |
| | | 1.4.2 Check dams | Nos 4 | – | 1 | 1 | 1 | 1 | 4 |
| | | 1.4.3 Nallah Bunds | Nos 1100 | – | 250 | 300 | 300 | 250 | 1100 |
| | | 1.4.4 Percolation tanks | Nos 2 | – | – | 1 | 1 | – | 2 |
| | | 1.4.5 Ground Water recharge structure | Nos 4 | – | 1 | 1 | 1 | 1 | 4 |
| | | 1.4.6 Others | Nos 24 | – | 5 | 7 | 7 | 5 | 24 |
| 2. EPA | 2.1 No. of EPA | | Nos 13 | 13 | – | – | – | – | 13 |

5.3 PLANNING /Annual Action Plan

ODIYAKHEDI

AREA :- 1930

Annual Action Plan (Financial)

Who will enter: PIA

Data capture Level : Project wise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Target(Rs. In lacs) | | | | | total |
|---------------------------------------|-----------------------------|---------------------|---------------------|---------|---------|---------|---------|--------|
| | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1.Aministartive Cost | 1.1 Salary | 5.30 | – | 1.325 | 1.325 | 1.325 | 1.325 | 5.30 |
| | 2.2 Others | 1.648 | – | 0.412 | 0.412 | 0.412 | 0.412 | 1.648 |
| | 1.3 Administration (PIA) | | 2.431 | 4.053 | 4.053 | 4.053 | 1.622 | 16.213 |
| 2. Monitoring | 2.1 | 1.390 | – | 0.278 | 0.556 | 0.417 | 0.139 | 1.390 |
| | 2.2Monatring (SLNA SWCDC) | | – | – | – | – | – | 0.926 |
| 3.Evaluation | | | – | – | – | – | – | 2.316 |
| 4. EPA | | 9.264 | 9.264 | – | – | – | – | 9.264 |
| 5. Institution & Capacity Building(A) | 5.1 SHG Formation | 0.846 | 0.339 | 0.169 | 0.169 | 0.169 | – | 0.846 |
| | 5.2 UG Formation | 1.690 | 0.676 | 0.338 | 0.338 | 0.338 | – | 1.690 |
| | 5.3 Formation of Federation | 1.690 | 0.676 | 0.338 | 0.338 | 0.338 | – | 1.690 |

| | | | | | | | | |
|---|---|---------------------------|--------|--------|--------|-------|-------|--------|
| | 5.4 Capacity building | 1.690 | 0.676 | 0.338 | 0.338 | 0.338 | – | 1.690 |
| | 5.5 Others | 2.538 | 1.0150 | 0.5080 | 0.5080 | 0.507 | – | 2.538 |
| (B) Institution Capacity (Building SLNA&WCDC) | | | – | – | – | – | – | 3.126 |
| 6.DPR | 6.1 Preparation Of DPR | | 2.316 | – | – | – | – | 2.316 |
| 7.Watershed Development Works | 7.1 Land Development (Productive use) | 7.1.1 Afforestation | – | 0.138 | 0.207 | 0.207 | 0.138 | 0.69 |
| | | 7.1.2 Horticulture | – | 0.138 | 0.207 | 0.207 | 0.138 | 0.69 |
| | | 7.1.3 Agriculture | – | 0.162 | 0.243 | 0.243 | 0.162 | 0.81 |
| | | 7.1.4 Pasture | – | 1.878 | 2.817 | 2.817 | 1.878 | 9.39 |
| | 7.2 Soil & Moisture Conservation | 7.2.1 Straggred trencning | – | 0.174 | 0.260 | 0.260 | 0.174 | 0.868 |
| | | 7.2.2 Countour Bunding | – | 2.780 | 4.170 | 4.170 | 2.780 | 13.900 |
| | | 7.2.3 Graded Bunding | – | 1.389 | 2.085 | 2.085 | 1.389 | 6.948 |
| | | 7.2.4 Bench Terracing | – | 0.312 | 0.468 | 0.468 | 0.312 | 1.56 |
| | | 7.2.5 Others | – | 2.293 | 3.439 | 3.439 | 2.293 | 11.464 |
| | 7.3 Vegetative and Engineering Structure | 7.3.1 Earthen Checks | – | 1.854 | 2.781 | 2.781 | 1.854 | 9.27 |
| | | 7.3.2 Brasshood Checks | – | – | – | – | – | – |
| | | 7.3.3 Gully plugs | – | 0.926 | 1.389 | 1.389 | 0.926 | 4.63 |

..... Annual Action Plan (Physical)

Who will enter: PIA

Data capture Level : Projectwise

Periodicity : Annual

| Name of Head | Name of Activity | Name of Subactivity | Unit (ha/nos/Rmt/Cubic meter) | Target (hac.) | | | | | Total (hac.) |
|-------------------------------------|---|-------------------------------|-------------------------------------|---------------|---------|---------|---------|---------|-----------------|
| | | | | 2009-10 | 2010-11 | 2011-12 | 2012-13 | 2013-14 | |
| 1.Watershed Development Works | 1.1 Land Development (Productive use) | 1.1.1 Afforstation | Ha 12 | – | 02 | 04 | 04 | 02 | 12 |
| | | 1.1.2 Horticulture | Ha 6 | – | 01 | 02 | 02 | 01 | 06 |
| | | 1.1.3 Agriculture | Ha 30 | – | 06 | 09 | 09 | 06 | 30 |
| | | 1.1.4 Pasture | Ha 60 | – | 10 | 20 | 20 | 10 | 60 |
| | 1.2 Soil & Moisture Conservation | 1.2.1 Straggred trecnching | Ha 10 | – | 02 | 03 | 03 | 02 | 10 |
| | | 1.2.2 Countour Bunding | Ha 350 | – | 70 | 150 | 105 | 70 | 350 |
| | | 1.2.3 Graded Bunding | Ha 40 | – | 08 | 12 | 12 | 08 | 40 |

| | | | | | | | | | |
|------------------------------------|--|---------------------------------------|------------------|----|------|------|------|------|------|
| | | 1.2.4 Bench Terracing | Ha 40 | - | 08 | 12 | 12 | 08 | 40 |
| | | 1.2.5 Others | Ha 60 | - | 10 | 20 | 20 | 10 | 60 |
| | 1.3 Vegetative and Engineering Structure | 1.3.1 Earthen Checks | Cubic meter 9200 | - | 1800 | 2800 | 2800 | 1800 | 9200 |
| | | 1.3.2 Brasshood Checks | Rmt - | - | - | - | - | - | - |
| | | 1.3.3 Gully plugs | Cubic meter 4600 | - | 900 | 1400 | 1400 | 900 | 4600 |
| | | 1.3.4 Loose bolder | Cubic meter 230 | - | 46 | 69 | 69 | 46 | 230 |
| | | 1.3.5 Gaveian structure | Cubic meter - | - | - | - | - | - | - |
| | | 1.3.6 Others | Nos 30 | - | 06 | 09 | 09 | 06 | 30 |
| | 1.4 Water Harvesting Structure | 1.4.1 Farm ponds | Nos 4 | - | 01 | 01 | 01 | 01 | 04 |
| | | 1.4.2 Check dams | Nos 6 | - | 01 | 02 | 02 | 01 | 06 |
| | | 1.4.3 Nallah Bunds | Nos 1800 | - | 400 | 500 | 500 | 400 | 1800 |
| | | 1.4.4 Percolation tanks | Nos 2 | - | - | 01 | 01 | - | 02 |
| | | 1.4.5 Ground Water recharge structure | Nos 7 | - | 01 | 03 | 02 | 01 | 07 |
| | | 1.4.6 Others | Nos 36 | - | 07 | 11 | 11 | 07 | 36 |
| 2. EPA | 2.1 No. of EPA activities | | Nos 10 | 10 | - | - | - | - | 10 |
| 3. Institution & Capacity Building | 3.1 SHG Formation | | Nos 28 | 10 | 06 | 06 | 06 | - | 28 |

| | | | | | | | | | |
|--|-----------------------------|--|--------|--------------------------|----|----|----|---|-----|
| | 3.2 UG Formation | | Nos 45 | 15 | 10 | 10 | 10 | - | 45 |
| | 3.3 Formation of Federation | | Nos 45 | 15 | 10 | 10 | 10 | - | 45 |
| | 3.4 Capacity building | | Nos 45 | 15 | 10 | 10 | 10 | - | 45 |
| | 3.5 Others | | Nos 01 | 01 | - | - | - | - | 01 |
| | | | Nos | | | | | | |
| 4.DPR | 4.1 Preparation Of DPR | | 01 | Ongoing/ Completed 01 | - | - | - | - | 01 |
| 5.Livelihood activities for the asset-less persons | | | 30 | - | 10 | 10 | 10 | - | 30 |
| 6.Production system µ-enterprises | | | 160 | - | 50 | 50 | 60 | - | 160 |
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1. लागत तकमीना

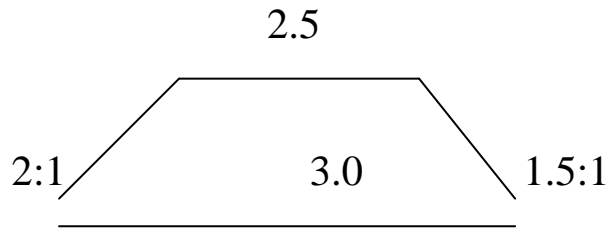
कार्य का नाम : जल ग्रहण क्षेत्र में रन आफ मेनेजमेन्ट स्ट्रेक्चर का निर्माण

जलग्रहण क्षेत्र :- पंचायत समिति सुनेल

योजना का नाम :- एकीकृत जल ग्रहण प्रबंधन परियोजना पिडावा द्वितीय

| क्र. सं. | विवरण | संख्या | लंबाई | चौड़ाई | उचाई / गहराई | मात्रा | इकाई | दर | राशि |
|----------|---|--------|-------|------------|--------------|---------|------|-----------|---|
| 1 | मिट्टी का कार्य बन्ध मे (सूखी या गीली), 15 से.मी. परत मे डालना, ढेलो को तोडना, घास-पात तथा कंकर बिनकर अलग करना तथा मिट्टी की दरेसी करना तथा शीप फूट रोलर / हैंड रैमर से मिट्टी दबाना, 1.5 मी. उठान तथा 50 मी. दूरी के लिए। कठोर मिट्टी। | 1 | 65 | 13+2.5 / 2 | 3 | 1511.25 | CUM | 85 | 128456.25 |
| 2 | 15 से 30 से.मी मोटे, हथोडे से तरासे हुए एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति के साथ | 1 | 65 | 3 | .23 | 44.85 | CUM | 925 / 150 | 41486.25 6727.50 (L) 34758.75 (M) |
| 3 | रतन जोत कटिंग की बुवाई कार्य (कम से कम 60 सेमी उचाई) सेन्टर से सेन्टर दूरी 15 से.मी. रखते हुए | 5 | 65 | | | 325 | M. | 6.75 | 2193.75 (L) |

| | | | | | | | | | |
|---|--|---|---------|--|--|-------|-----------------|-----|---|
| | बेक फिलिंग तथा कुटाई सहित (श्रम भाग) | | | | | | | | |
| 4 | रतनजोत / आईफोमिया कटिंग की लेबर चार्ज 45-60 से.मी. | 3 | 65 / 15 | | | 21.66 | 100 न | .68 | 1472.88 (L) |
| 5 | बीज बुवाई बनाये गये रिज पर। | 5 | 65 | | | 325 | | .59 | 191.75(L) |
| 6 | वानिकी बीजो की राशि 0.2 किलो प्रति 100 मी० | 5 | 65 | | | .65 | प्रति कि. ग्राम | 40 | 26.00(M) |
| 7 | कोर वाल निर्माण कार्य | 1 | | | | | | | 215517.60 54355.50 (L) 161162.10(M) |



13

Cross section of bund

Lab. 193397.63

Mat. 195946.85

G. Total 389344.48
Say Rs- 3.90 lakh

2. लागत तकमीना

कार्य का नाम :- जल ग्रहण क्षेत्र में नाले का तट स्थितिकरण का कार्य

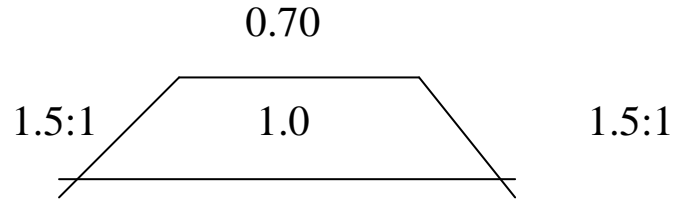
पंचायत समिति :- पंचायत समिति सुनेल जिला झालावाड

योजना का नाम :- एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

| क्र. सं. | विवरण | संख्या | लंबाई | चौड़ाई | उचाई / गहराई | मात्रा | इकाई | दर | राशि |
|----------|---|--------|-------|-----------------|--------------|--------|------|------|----------|
| 1 | मिट्टी का कार्य बन्ध मे (सूखी या गीली), 15 से.मी. परत मे डालना, ढेलो को तोडना, घास-पात तथा कंकर बिनकर अलग करना तथा मिट्टी की दरेसी करना तथा शीप फूट रोलर/हैंड रैमर से मिट्टी दबाना, 1.5 मी. उठान तथा 50 मी. दूरी के लिए। (GKN BSR 2008) कठोर मिट्टी। | 1 | 1 | 3.70 + 0.70 / 2 | 1.00 | 2.2 | CUM | 85 | 187(L) |
| 2 | आईफोमिया कटिंग (45-60 से.मी. कटिंग, दूरी 15 से.मी. का रोपण मय भराई एवं बुडन पेगस द्वारा दबाना (GKN BSR 2008) | 5 | 1 | | | 5 | M | 6.75 | 33.75(L) |

| | | | | | | | | | |
|---|---|-----------|---|--|--|-------|-------|------|----------|
| 3 | रतन जोत/आईफोमिया कटिंग की लेबर चार्ज 45-60 से.मी. (GKN BSR 2008) | 5/. 15 | 1 | | | 33.33 | कटिंग | 0.68 | 22.66(L) |
|---|---|-----------|---|--|--|-------|-------|------|----------|

Lab. 243.41



Say Rs. 244 /m

3.70

X-Section of Bund for establisation

3. लागत तकमीना

कार्य का नाम :- जल ग्रहण क्षेत्र में कृषि भूमि में मिट्टी के बण्ड का निर्माण कार्य

पंचायत समिति: पंचायत समिति सुनेल जिला झालावाड

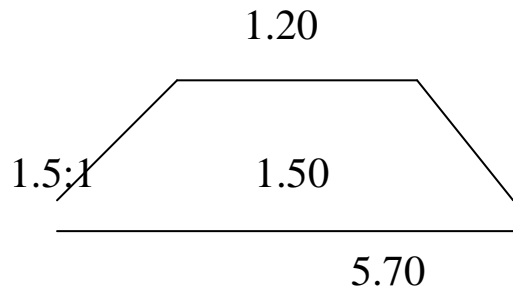
योजना का नाम :- एकाकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

| क्र. सं. | विवरण | संख्या | लंबाई | चौड़ाई | उचाई / गहराई | मात्रा | इकाई | दर | राशि |
|----------|---|--------|--------|-----------------|---------------------|----------------------|--------------------------|----|---------|
| 1 | मिट्टी का कार्य बन्ध मे (सूखी या गीली), 15 से.मी. परत मे डालना, ढेलो को तोडना, घास-पात तथा कंकर बिनकर अलग करना तथा मिट्टी की दरेसी करना तथा शीप फूट रोलर/हैंड रैमर से मिट्टी दबाना, 1.5 मी. उठान तथा 50 मी. दूरी के लिए। कठोर मिट्टी। | 1 | 20 | 5.70 + 1.20 / 2 | 1.50 | 103.50 | CUM | 85 | 8797.50 |
| 2 | नींव व ट्रेन्च में मिट्टी की खुदाई का कार्य, खुदी हुई मिट्टी का निस्तारण करना तथा समतल करना। Foundation Apron | 2 2 | 3 3 | 0.9 1.00 | 0.3 0.3 Total | 1.62 1.80 3.42 | CUM CUM CUM CUM | 92 | 314.64 |

| | | | | | | | | |
|---|---|---|---|---------|------|------|--------|------------|
| 3 | नींव तथा कुर्सी में पत्थर की बे/रददा ढोका चिनाई बिना मसाले में सुखे पत्थर में | 2 | 3 | 0.9 | 0.3 | 1.62 | | |
| | F/M | 2 | 3 | (0.9+0. | 0.6 | 2.52 | | |
| | S/M | 2 | 3 | 5)/2 | 0.3 | 1.80 | 970 / | 5761.80 |
| | Apron | | | 1 | Tota | 5.94 | 249.80 | 1483.81(L) |
| | | | | | l | | | 4277.98 M |

Lab. 10595.95
Material 4277.98

G. Total 14873.93
Say Rs. 14900



X-Section of Bund for establishment

4. लागत तकमीना

कार्य का नाम :- जलग्रहण क्षेत्र में नाले में एनीकट का निर्माण कार्य पंचायत समिति सुनेल लागत 2.20 लाख
योजना का नाम :-एकाकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

| क्र . सं . | विवरण | संख्या | लंबा ई | चौडाई | उचाई / गहराई | मात्रा | इकाई | दर | राशि |
|------------|--|--------|--------|-------|--------------|--------|------|----|------|
| 1 | नीव व ट्रेंच में मिट्टी की खुदाई का कार्य खुदी हुई मिट्टी का निस्तारण करना तथा समतल करना। सख्त मिट्टी / कंकर मिट्टी। | | | | | | | | |
| | H.W | 1 | 8 | 2+.45 | 1.352 | 26.49 | CUM | | |
| | S.W. | 2 | 4 | 1 | 1.352 | 10.816 | CUM | | |
| | WW-US-1 | 1 | 1.35 | .90 | 1.352 | 1.643 | CUM | | |
| | WW-US-2 | 1 | 1.35 | .90 | 1.352 | 1.643 | CUM | | |
| | WW-DS-1 | 1 | 1.35 | .90 | 1.352 | 1.643 | CUM | | |
| | WW-DS-2 | 1 | 1.35 | .90 | 1.352 | 1.643 | CUM | | |
| | APPRON | 1 | 8 | 4 | .30 | 9.60 | CUM | | |
| | Toe Wall | 1 | 8 | .78 | .83 | 5.17 | CUM | | |

| | | | | | | | | | |
|---|--|---|------|----------------------|-----|------|---------|-----------------|---|
| | | | | Total – 58.64 | | | CU M | 92 | 5394.88(L) |
| | Note – Add extra lift qt. @ 6 per cum | | | | | | | | |
| 2 | सीमेंट कंक्रीट 1 सीमेंट 4 बजरी तथा 8 गिट्टी पत्थर की 40 मि.मीटर नापीय माप की नींव मे डालना एनीकट के लिये (by mixture & vibrator) | | | | | | | | |
| | H.W. | 1 | 8 | 2 | .3 | 4.8 | CU M | | |
| | S.W. | 2 | 4 | 1 | .3 | 2.4 | cum | | |
| | WW-US-1 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-DS-1 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | Apron | 1 | 8 | 4 | .3 | 9.6 | CU M | | |
| | T.W. | 1 | 8 | .78 | .15 | .93 | CU M | | |
| | | | | Total – 19.19 | | | CU M | 2059/ 245.05 | 39512.21 4702.50(L) 34809.70 (M) |
| 3 | पत्थर की चिनाई 1:6 | | | | | | | | |

| | | | | | | | | | |
|---|---|---|------|----------------|-----------------|-------|---------------------|--|--------------|
| | सिमेंट बजरी मसाले मे F/M | | | | | | | | |
| | H.W. | 1 | 8 | 2 | 1. 352- 3 | 16.83 | CU M | | |
| | S.W. | 2 | 4 | 1 | 1. 352- 3 | 8.416 | CU M | | |
| | WW-US-1 | 1 | 1.35 | .90 | 1. 352- 3 | 1.278 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .90 | 1. 352- 3 | 1.278 | CU M | | |
| | WW-DS-1 | 1 | 1.35 | .90 | 1. 352- 3 | 1.278 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .90 | 1. 352- 3 | 1.278 | CU M | | |
| | T.W. | 1 | 8 | .78 | .85- 15 | 4.36 | CU M | | |
| | | | | | | | CU M | 57132.66 10829. 52(L) 46303.14 (M) | 1646/ 312 |
| | | | | | | | Total- 34.71 | | |
| 4 | पत्थर की चुनाई 1:6 सिमेंट बजरी मसाले मे (S/M) | | | | | | | | |
| | H.W. | 1 | 8 | .70+1. 70/2 | 1.30 | 12.48 | CU M | | |

| | | | | | | | | | |
|---|---|---|------|----------------------|------|--------|----------------|--------------|--|
| | S.W. | 2 | 4 | .60+1. 0/2 | 2.77 | 17.728 | CU M | | |
| | WW-US-1 | 1 | 1.35 | .6+.9/2 | 2.77 | 2.805 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .6+.9/2 | 2.77 | 2.805 | CU M | | |
| | WW-DS-1 | 1 | 1.35 | .6+.9/2 | .90 | .911 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .6+.9/2 | .90 | .911 | CU M | | |
| | T.W. | 1 | 8 | .60+. 78/2 | .60 | 3.31 | CU M | | |
| | | | | Total – 40.94 | | | CU M | 1764/ 430 | 72218.16 17604. 20(L) 54613.96 M |
| 5 | सिमेंट प्लास्टर दिवार पर 1:4 मे सिमेंट बजरी मिलाकर जोडो को कुरेदने तथा तराई सहित 20M.M. Thickness | | | | | | | | |
| | H.W. | 1 | 8 | 1.352+.3 | 2 | 52.68 | M ² | | |
| | S.W. | 2 | 4 | 1.352-. 03 | 2.77 | 30.57 | M ² | | |
| | WW-US-1 | 1 | 1.35 | 2.77 | | 3.740 | M ² | | |
| | WW-US-2 | 1 | 1.35 | 2.77 | | 3.740 | M ² | | |
| | WW-DS-1 | 1 | 1.35 | .90 | | 1.215 | M ² | | |
| | WW-DS-2 | 1 | 1.35 | .90 | | 1.215 | M ² | | |

| | | | | | | | | | |
|---|--|---|-----|-----------------------|-----|------|----------------|-----------------|--|
| | T.W. | 2 | 8 | .60 | | 9.60 | M ² | | |
| | | | | Total – 102.94 | | | M ² | 103/3 6.60 | 10602.82 3767.60(L) 6835.21(M) |
| 6 | सिमेंट कंक्रीट 1 सिमेंट : 2 बजरी : 4 पत्थर एग्रीगेट अनुपात मे 12 मी.मी. नापी माप की एग्रीगेट के साथ डालना (by mixture & vibrator | | | | | | | | |
| | H.W. | 1 | 8 | .70 | .10 | .56 | CU M | | |
| | Copping | 1 | 5.4 | .70 | .05 | .189 | CU M | | |
| | S.W. | 2 | 4 | .60 | .05 | .240 | CU M | | |
| | Apron | 1 | 8 | 4 | .10 | 3.2 | CU M | | |
| | T.W. | 1 | 8 | .60 | .05 | .24 | CU M | | |
| | | | | Total- 4.42 | | | CU M | 2865/ 304.05 | 12663.30 1346. 90(L) 11319.39 |

| | | | | | | | | | |
|---|--|---|---|---|--|----|----------------|--------------|--|
| 7 | बेरद्धा पत्थर का 23 से. मी. उचाई मे खंरजा लगाना तथा मिट्टी से भरना तथा खरंजे का होदा मे से निकली अतिरिक्त मिट्टी का 50 मीटर तक निस्तारण करना 1:6 सिमेंट मसाले मे | | | | | | | | |
| | Apron | | | | | | | | 10752 2982.4(L) 7769.60(M) |
| | | 1 | 8 | 4 | | 32 | M ² | 336/9 3.2 | |
| | | | | | | | | | |

Lab. 46625
 Mat. 161651

 G. Total - 208276
 Say Rs. – 2.08/- lakh

5. लागत तकमीना

कार्य का नाम :- एनिकट निर्माण नाले पर
 पंचायत समिति:- पंचायत समिति सुनेल जिला झालावाड लागत 4.00 लाख
 योजना का नाम :- एकाकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

| क्र सं | विवरण | संख्या | लंबाई | चौड़ाई | उचाई/ गहराई | मात्रा | इकाई | दर | राशि |
|-----------|--|--------|-------|--------|----------------|--------|---------|----|------|
| 1 | नीव व ट्रेंच में मिट्टी की खुदाई का कार्य खुदी हुई मिट्टी का निस्तारण करना तथा समतल करना। सख्त मिट्टी/कंकर मिट्टी। | | | | | | | | |
| | H.W | 1 | 15 | 2+.45 | 1.352 | 57.00 | CU M | | |
| | S.W. | 2 | 4 | 1 | 1.352 | 10.816 | CU M | | |
| | WW-US-1 | 1 | 1.35 | .90 | 1.352 | 1.643 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .90 | 1.352 | 1.643 | CU | | |

| | | | | | | | | | |
|---|--|---|------|-----------------------|-------|-------|---------|----|------------|
| | | | | | | | M | | |
| | WW-DS-1 | 1 | 1.35 | .90 | 1.352 | 1.643 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .90 | 1.352 | 1.643 | CU M | | |
| | APPRON | 1 | 15 | 4 | .30 | 18 | CU M | | |
| | Toe Wall | 1 | 15 | .78 | .83 | 9.78 | CU M | | |
| | | | | Total – 102.12 | | | CU M | 92 | 9395.04(L) |
| | Note – Add extra lift qt. @ 6 per cum | | | | | | | | |
| 2 | सीमेंट कंक्रीट 1 सीमेंट 4 बजरी तथा 8 गिट्टी पत्थर की 40 मि.मीटर नापीय माप की नींव मे डालना एनीकट के लिये (by mixture & vibrator) | | | | | | | | |
| | H.W. | 1 | 15 | 2 | .3 | 9 | CU M | | |
| | S.W. | 2 | 4 | 1 | .3 | 2.4 | cum | | |
| | WW-US-1 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-DS-1 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .90 | .3 | .365 | CU M | | |

| | | | | | | | | | |
|---|--|---|------|----------------------|--------|-------|-----|---------------|-----------------------------------|
| | Appron | 1 | 15 | 4 | .3 | 18 | CUM | | |
| | T.W. | 1 | 15 | .78 | .15 | 1.755 | CUM | | |
| | | | | Total – 32.61 | | | CUM | 2059 / 245.05 | 67143.99 / 799108(L 59152.90 (M)) |
| 3 | एनीकट हेतु पत्थर की चिनाई 1:6 सिमेंट बजरी मसाले मे F/M | | | | | | | | |
| | H.W. | 1 | 15 | 2 | 1.352- | 31.56 | CUM | | |
| | S.W. | 2 | 4 | 1 | 1.352- | 8.416 | CUM | | |
| | WW-US-1 | 1 | 1.35 | .90 | 1.352- | 1.278 | CUM | | |
| | WW-US-2 | 1 | 1.35 | .90 | 1.352- | 1.278 | CUM | | |
| | WW-DS-1 | 1 | 1.35 | .90 | 1.352- | 1.278 | CUM | | |
| | WW-DS-2 | 1 | 1.35 | .90 | 1.352- | 1.278 | CUM | | |
| | T.W. | 1 | 15 | .78 | .85- | 8.19 | CUM | | |

| | | | | | | | | | |
|---|--|---|------|----------------------|------|--------|---------|------------------|--|
| | | | | | | | | | 87682.42 16620.24 (L) 71062.18 (M) |
| | | | | Total- 53.27 | | | CU M | 1646 / 312 | |
| 4 | एनीकट हेतु पत्थर की चुनाई 1:6 सिमेंट बजरी मसाले मे (S/M) | | | | | | | | |
| | H.W. | 1 | 15 | .70+1. 70/2 | 1.30 | 23.4 | CU M | | |
| | S.W. | 2 | 4 | .60+1. 0/2 | 2.77 | 17.728 | CU M | | |
| | WW-US-1 | 1 | 1.35 | .6+9/2 | 2.77 | 2.805 | CU M | | |
| | WW-US-2 | 1 | 1.35 | .6+9/2 | 2.77 | 2.805 | CU M | | |
| | WW-DS-1 | 1 | 1.35 | .6+9/2 | .90 | .911 | CU M | | |
| | WW-DS-2 | 1 | 1.35 | .6+9/2 | .90 | .911 | CU M | | |
| | T.W. | 1 | 15 | .60+. 78/2 | .60 | 6.21 | CU M | | |
| | | | | Total – 54.77 | | | CU M | 1764 / 430 | 96614.28 23551. 10(L) 73063.18 (M) |
| 5 | सिमेंट प्लास्टर दिवार पर 1:4 मे सिमेंट बजरी मिलाकर जोडो को | | | | | | | | |

| | | | | | | | | | |
|---|--|---|------|-----------------------|------|-------|----------------|-------------------|---|
| | कुरेदने तथा तराई सहित 20M.M. Thickness | | | | | | | | |
| | H.W. | 1 | 15 | 1.352+3 | 2 | 49.5 | M ² | | |
| | S.W. | 2 | 4 | 1.352- 03 | 2.77 | 30.57 | M ² | | |
| | WW-US-1 | 1 | 1.35 | 2.77 | | 3.740 | M ² | | |
| | WW-US-2 | 1 | 1.35 | 2.77 | | 3.740 | M ² | | |
| | WW-DS-1 | 1 | 1.35 | .90 | | 1.215 | M ² | | |
| | WW-DS-2 | 1 | 1.35 | .90 | | 1.215 | M ² | | |
| | T.W. | 2 | 15 | .60 | | 18 | M ² | | |
| | | | | | | | | 103/ 36.6 0 | 11121.94 3952.06(L 7169. 87(M) |
| | | | | Total – 107.98 | | | M ² | | |
| 6 | सिमेंट कंक्रीट 1 सिमेंट : 2 बजरी : 4 पत्थर एग्रीगेट अनुपात मे 12 मी.मी. नापी माप की एग्रीगेट के साथ डालना (by mixture & vibrator | | | | | | | | |
| | H.W. | 1 | 15 | .70 | .10 | 1.05 | CU M | | |
| | Copping | 1 | 5.4 | .70 | .05 | .189 | CU M | | |
| | S.W. | 2 | 4 | .60 | .05 | .240 | CU M | | |
| | Apron | 1 | 15 | 4 | .10 | 6 | CU M | | |

| | | | | | | | | | |
|---|---|---|----|--------------------|-----|-----|----------------|-------------------------|---|
| | T.W. | 1 | 15 | .60 | .05 | .45 | CU M | | |
| | | | | Total- 7.92 | | | CU M | 2865 / 304. 05 | 22690.80 2408.07(L) 20282. 72(M) |
| 7 | उचाई मे खंरजा लगाना तथा मिट्टी से भरना तथा खरंजे का होदा मे से निकली बेरद्धा पत्थर का 23 से.मी. अतिरिक्त मिट्टी का 50 मीटर तक निस्तारण करना 1:6 सिमेंट मसाले मे | | | | | | | | |
| | Apron | 1 | 15 | 4 | | 60 | M ² | 336/ 93.2 0 | 20160 5592(L) 14568(M)) |
| 8 | | | | | | | | | |

Lab. 69509.59
 Mat. 245298.85

 G. Total - 314808.44
 Se Rs. – 315000/-

6. लागत तकमीना

कार्य का नाम:-जल ग्रहण क्षेत्र में फार्म पाउण्ड का निर्माण

योजना का नाम:-एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु0 सुनेल जिला झालावाड

| क्र० सं० | थ्ववरण | संख्या | ल० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|----------|--|--------|----|-------|-------|--------|---------|-------------|----------------------------|
| 1 | डाग बेलिंग 5-00 से 7-5 से०मी० | 2 | 30 | | | 60 | मी० | 0.15 | 9.0 |
| 2 | मिट्टी का कार्य बन्ध में सूखी या गीली , 15से०मी० परत में डालना, ढलों को तोडना, घांस पोत तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना तथा शीप फूट रोलर/हैंड रेमर से मिट्टी दबाना, 1.5 मीद० उठान तथा 50मी० दूरी तक निस्तारण करना।कठोर मिट्टी | 1 | 30 | 9+2/2 | 2 | 330 | घ०मी० | 85 | 28050(L) |
| 3 | 15 से 30 से०मी० मोटे, हथोडे से तरासे हुये एकल पत्थर की पिचिंग समस्त उठान के साथ, आपूर्ति के साथ | 1 | 30 | 2.8 | 0.23 | 19.32 | घ०मी० | 925/1 50 | 17871 2898 L 14973 M |
| 4 | डिवलिंग द्वारा घांस बीजों की बुवाई,बीज दर 6-8 किलो/है० | 5 | 30 | | | 150 | मी० | 0.59 | 88.50 |
| 5 | वनिकी बीजों की राशि | | | | | 1 | प्र०कि० | 40 | 40 |

| | | | | | | | | | |
|---|---|---|-----|------|------|------------|-------|--------------|---------------------------------|
| | 0.2 प्रति किलो प्रति 100 मी0 | | | | | | | | |
| 6 | नींव व ट्रैन्च में मिट्टी की खुदाई का कार्य, खुदी हुई मिट्टी का निस्तारण करना तथा सममतल करना।सख्त मिट्टी में/कंकर मिली मिट्टी में | | | | | | | | |
| | हैड वाल | 1 | 3 | 1 | 0.3 | 0.9 | | | |
| | साइड वाल | 2 | 3.5 | 0.45 | 0.3 | 0.945 | | | |
| | एप्रान | 1 | 3 | 3.5 | 0.3 | 3.15 | | | |
| | विंग वाल | 4 | 2 | 0.45 | 0.3 | 1.08 | | | |
| | | | | | | 6.075 | घ0मी0 | 92 | 558.90 |
| 7 | नींव तथा कुर्सी में पत्थर की बे-रध्दा ढोका चिनाई,गारा मसाले में या बिना मसाले में सूखे पत्थर में। | | | | | | | | |
| | नींव | | | | | | | | |
| | हेड वाल | 1 | 3 | 1 | 0.3 | 0.9 | | | |
| | साइड वाल | 2 | 3.5 | 0.45 | 0.3 | 0.945 | | | |
| | एप्रान | 1 | 3 | 3.5 | 0.3 | 3.15 | | | |
| | विंग वाल | 4 | 2 | 0.45 | 0.3 | 1.08 | | | |
| | सुपर स्ट्रक्चर | | | | | | | | |
| | हेड वाल | 1 | 3 | 0.8 | 0.3 | 0.72 | | | |
| | साइड वाल | 2 | 3.5 | 0.45 | 0.6 | 1.89 | | | |
| | विंग वाल | 4 | 2 | 0.45 | 0.45 | 1.62 | | | |
| | | | | | | 10. 305 | घ0मी0 | 970 249.8 | 9995.85 2574.18 L 7421.66 |

| | | | | | | | | | |
|--|--------|--|--|--|--|--|--|--|----------------------------------|
| | | | | | | | | | M |
| | कुल | | | | | | | | 56604.25 34178.58 22434.67 |
| | Say Rs | | | | | | | | 56600.00 |

सहायक अभियंता
पंचायत समिति पिडावा मु० सुनेल

7. सारांश लागत तकमीना

कार्य का नाम:— जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि सिल्विपास्चर का कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु0 सुनेल जिला:—झालावाड,

| क्र सं | कार्य का विवरण | मात्रा | इकाई | दर | राशि |
|--------|---|--------|----------|-------|----------|
| 1 | जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि खाई एवं डोला का कार्य | 1.00 | हेक्टेयर | 48750 | 48750 |
| 2 | जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में घांस बीज रोपण का कार्य | 1.00 | हेक्टेयर | 1020 | 1020 |
| 3 | जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में पौधारोपण का कार्य | 200 | पौध | 38.5 | 7700 |
| 4 | झाडी रोपण का कार्य | 200 | झाडी | 6.60 | 1320 |
| 5 | जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि में समोच्च रेखा पर डिच का निर्माण | 1.00 | हेक्टेयर | 2840 | 2840 |
| | दर प्रति हेक्टेयर | | | | 61630.00 |



कनिष्ठ अभियंता
पंचायत समिति
सुनेल

सहायक अभियंता
पंचायत समिति
सुनेल

8. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में पौधारोपण काकार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु० सुनेल जिला झालावाड

| क्र० सं० | कार्य का विवरण | संख्या | ल० | चौ० | ड० / ग० | मात्रा | इकाई | दर | राशि |
|----------|---|--------|----|-----|---------|--------|--------------|-------|-------|
| 1 | 45*45*45 से०मी० माप के गडडे करना ! कंकर / मुरम मिटटी | 1 | | | | 1 | नग | 13.40 | 13.40 |
| 2 | पौधशाला से वृक्षारोपण क्षेत्र तक पौधों की दुलाई 1 कि०मी० तक के लिये प्रति पौध | 1 | | | | 1 | प्रति कि० | 0.60 | 0.60 |
| 3 | 1 कि०मी० से अधिक दूरी के लिये प्रत्येक अति कि०मी० पर | 1 | | | | 30 | प्रति कि०मी० | 0.3 | 9.00 |
| 4 | पौधे रोपण करना पथरीली जमीन पर | 1 | | | | 1 | प्रति पौध | 3.60 | 3.60 |
| 5 | थावला बनाना, कम से कम 50 से०मी० अर्धव्यास का अन्य जमीन पर | 1 | | | | 1 | नग | 1.80 | 1.80 |
| 6 | पौधों की निराई गुडाई करना, 15 से०मी० गहराई तक तथा 45 से०मी० | 1 | | | | 1 | नग | 1.20 | 1.20 |

| | | | | | | | | | |
|---|---|---|--|--|--|---|------------|------|------|
| | अर्धव्यास तक | | | | | | | | |
| 7 | पौधों को उपलब्ध पानी पिलाना, 15 लीटर प्रति पौधा | 1 | | | | 1 | नग | 1.80 | 1.80 |
| 8 | पौधों की राशि | 1 | | | | 1 | नग | 7.00 | 7.00 |
| 9 | पौधों की चौकीदारी का कार्य | 1 | | | | 1 | प्रति पौधा | | |
| | कुल | | | | | | | | 38.4 |
| | | | | | | | | | 38.5 |

सहायक अभियंता
पंचायत समिति पिडावा मु0 सुनेल

9. लागत तकमीना

कार्य का नाम:- जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में पौधारोपण का कार्य

योजना का नाम:-एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:-पिडावा मु0 सुनेल जिला झालावाड

| क्र०सं० | कार्य का विवरण | संख्या | ल० | चौ० | ड० / ग० | मात्रा | इकाई | दर | राशि |
|---------|---|--------|----|-----|---------|--------|--------------|-------|-------|
| 1 | 45*45*45 से०मी० माप के गडडे करना ! कंकर/मुरम मिटटी | 1 | | | | 1 | नग | 13.40 | 13.40 |
| 2 | पौधशाला से वृक्षारोपण क्षेत्र तक पौधों की ढुलाई 1 कि०मी० तक के लिये प्रति पौध | 1 | | | | 1 | प्रति कि० | 0.60 | 0.60 |
| 3 | 1 कि०मी० से अधिक दूरी के लिये प्रत्येक अति कि०मी० पर | 1 | | | | 30 | प्रति कि०मी० | 0.3 | 9.00 |
| 4 | पौधे रौपण करना पथरीली जमीन पर | 1 | | | | 1 | प्रति पौध | 3.60 | 3.60 |
| | | | | | | | | | |
| | | | | | | | | | |
| 5 | पौधों की राशि | 1 | | | | 1 | नग | 7.00 | 7.00 |
| | पौधों की चौकीदारी का कार्य | 1 | | | | 1 | प्रति पौधा | | |
| | कुल | | | | | | | | 33.6 |
| | Say Rs | | | | | | | | 34.0 |

सहायक अभियंता
पंचायत समिति पिडावा मु० सुनेल

10. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में पहाडी भूमि में स्टेगर्ड ट्रेन्चों का निर्माण

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|---------|--|--------|----|------|-------|--------|---------|------|------|
| 1 | डाग बेलिंग 5-00 से 7-5 सेमी० डीप | 100 | 4 | | | 400 | मी० | 0.15 | 60 |
| 2 | नेव व ट्रेन्च में मिट्टी की खुदाई का काय, खुदी हुई मिट्टी का निस्तारण, तथा समतल करना। सख्त मिट्टी में/कंकर मिली मिट्टी में | 100 | 4 | 0.45 | 0.45 | 81 | घ०मी० | 92 | 7452 |
| 3 | डिवलिंग द्वारा घांस बीजों की बुवाई पैलेट तैयार करते हुये बीज दर 6-8 किलो / है० | 200 | 4 | | . | 800 | मी० | 0.59 | 472 |
| 4 | स्टाइलो हमेटा बीज की राशि 0-3 किलो / 100 मी० | | | | | 3 | प्र०कि० | 40 | 120 |
| 5 | बैण्ड/फरों पर घांस बीजों की बुवाई, (घांस एवं वानिकी बीज प्रोसोपियत/पार्किंग सोनिया आदि | 100 | 4 | | | 400 | मी० | 0.59 | 236 |
| 6 | वनिकी बीजों की राशि | | | | | 2 | प्र०कि० | 30 | 60 |

| | | | | | | | | | |
|--|-------------------|--|--|--|--|--|--|--|------|
| | कुल | | | | | | | | 8400 |
| | छर प्रति हैक्टेयर | | | | | | | | 8400 |
| | | | | | | | | | |

सहायक अभियंता
पंचायत समिति पिडावा मु0 सुनेल

11. लागत तकमीना

कार्य का नाम:- जल ग्रहण क्षेत्र में छोटे डग आउट पौण्ड का निर्माण

योजना का नाम:- एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|---------|---|--------|----|------------|-------|--------|-------|------|--------|
| 1 | डाग बेलिंग 5-00 से 7-5 सेमी० डीप | 2 | 25 | | | 50 | मी० | 0.15 | 7.50 |
| 2 | नीव व ट्रैन्च म मिट्टी की खुदाई का काग्र, खुदी हुइ मिट्टी का निस्तारण तथा समतल करनां | 1 | 25 | 10.75 | 0.3 | 80.625 | घ०मी० | 92 | 7417.5 |
| 3 | मिट्टी का कार्य बन्ध में (सूखी या गीली), 15 सेमी० परत में डालना, ढेलों को तोडना, घांस पात तथा कंकर बीनकर अलग करना तथा मिट्टी की दरेसी करना तथा शीफ फुट रोलर/हैंड रेमर से मिट्टी दबाना, 1.5 मी० उठान तथा 50 मी दूरी के लिये। कठोर मिट्टी | 1 | 25 | 10+2 /2 | 2 | 300 | घ०मी० | 85 | 25500 |
| 4 | रतन जोत कटिंग की बुवाई कम से कम 60 सेमी० उंचाई, सेन्टर से सेन्टर दूरी 15 सेमी० रखते हुये बेक फिलिंग तथा कुटाइ सहित | 5 | 25 | | | 125 | मी० | 6.75 | 843.75 |

12. लागत तकमीना

कार्य का नाम:- जल ग्रहण क्षेत्र की कृषि भूमि में गली प्लग / लूज पत्थरों के चेक डेम का निर्माण

योजना का नाम:- एकीकृत जल ग्रहण प्रबंधन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|---------|--|--------|----|-----|-------|--------|-------|--------------|--------------------------|
| 1 | डाग बेलिंग 5-00 से 7-5 सेमी० डीप | 2 | 5 | | | 10 | मी० | 0.15 | 1.5 |
| 2 | नेव व ट्रैन्च में मिट्टी की खुदाई का कार्य, खुदी हुई मिट्टी का निस्तारण करना। सख्त मिट्टी में/कंकर मिली मिट्टी में | 1 | 5 | 3.2 | 0.3 | 4.8 | घ०मी० | 92 | 441.60 |
| 3 | नेव तथा कुर्सी में बेरध्दा पत्थर की चिनाई, सूखे पत्थर में। | | | | | | | | |
| | फाउण्डेशन | 1 | 5 | 3.2 | 0.3 | 4.8 | | | |
| | प्रथम स्टेज | 1 | 5 | 1.2 | 0.3 | 1.8 | | | |
| | द्वितीय स्टेज | 1 | 5 | 0.6 | 0.3 | 0.9 | | | |
| | | | | | कुल | 7.5 | घ०मी० | 970 249.8 | 7275 1873.5 5401.5 |
| | कुल | | | | | | | | 7718.1 |
| | Say Rs | | | | | | | | 7700.0 |

7700.00 प्रति चेक डेम

सहायक अभियंता
पंचायत समिति पिडावा मु० सुनेल

13. लागत तकमीना

कार्य का नाम:- जल ग्रहण क्षेत्र में डाइवर्जन डेन का निर्माण

योजना का नाम:- एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ० / ग० | मात्रा | इकाई | दर | राशि |
|---------|--|--------|-----------|-----------|---------|--------|-------|------|---------|
| 1 | डाग बेलिंग 5-00 से 7-5 सेमी० डीप | 2 | 1000 | | | 2000 | मी० | 0.15 | 300 |
| 2 | नैव व ट्रैन्च में मिट्टी की खुदाई का कार्य, खुदी हुई मिट्टी का निस्तारण करना। सख्त मिट्टी में/कंकर मिली मिट्टी में | 1 | 1000 | 0.75 | 0.75 | 562.5 | | | |
| अ. | कठोर मिट्टी | आइट म | 2 की | 50 प्रति० | | 281.25 | घ०मी० | 92 | 25875 |
| ब. | विघटित चट्टान | आइट म | 2 की | 50प्रि० | | 281.25 | घ०मी० | 134 | 37687.5 |
| 3 | रतन जोत कटिंग की बुवाई कम से कम 60 सेमी० उंचाई, सेन्टर से सेन्टर दूरी 15 सेमी० रखते हुये बेक फिलिंग तथा कुटाइ सहित | 3 | 1000 | | | 3000 | मी० | 6.75 | 20250 |
| 4 | रतनजोत/आइफोमिया कटिंग की लेबर चाज्र 45-60 सेमी० उंचाई | 3 | 1000 / 15 | | | 20000 | 1 नं० | 0.68 | 13600 |
| 5 | डिवलिंग द्वारा घांस बीजों की बुवाई पैलेट तैयार करते हुये बीज | 5 | 1000 | | | 5000 | 1 मी० | 0.59 | 2950 |

| | | | | | | | | | |
|---|--|--|--|--|--|---|---------|----|--------|
| | दर 6-8 किलो/है0 | | | | | | | | |
| 6 | वनिकी बीजों की राशि 0.2 प्रति किलो 100 मी0 | | | | | 5 | प्र0कि0 | 40 | 200 |
| | योग | | | | | | | | 100862 |
| | Say Rs | | | | | | | | 100000 |

सहायक अभियंता
पंचायत समिति पिडावा मु0 सुनेल

14. लागत तकमीना

कार्य का नाम:- नालों के उपरी भागों में लाइव चेक डेम का निर्माण

योजना का नाम:- एकाकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ० | मात्रा | इकाई | दर | राशि |
|---------|--|----------|----|-----|-----|--------|---------|------|--------|
| 1 | नींव व ट्रैन्च म मिट्टी की खुदाई का काय, खुदी हुई मिट्टी का निस्तारण तथा समतल करनां | 2 | 10 | 0.6 | 0.3 | 3.6 | घ०मी० | 92 | 331.2 |
| 2 | बैण्ड / फरों पर घांस बीजों की बुवाई, (घांस एवं वानिकी बीज प्रोसोपियत / पार्किंग सोनिया आदि | 2 | 10 | | | 20 | प्र०मी० | 0.59 | 11.8 |
| 3 | बीज की राशि | | | | | 0.4 | कि० | 40 | 16 |
| 4 | रतन जोत कटिंग की बुवाई कम से कम 60 सेमी० उंचाई, सेन्टर से सेन्टर दूरी 15 सेमी० रखते हुये बेक फिलिंग तथा कुटाइ सहित | 3 | 10 | | | 30 | मी० | 6.75 | 202.5 |
| 5 | रतनजोत / आइफोमिया कटिंग की लेबर चाज्र 45-60 सेमी० उंचाई | 100 / 15 | 30 | | | 200 | मी० | 0.68 | 136 |
| | कुल | | | | | | | | 697.10 |
| | Say Rs | | | | | | | | 700 |

सहायक अभियंता
पंचायत समिति पिडावा मु० सुनेल

15. सारांश लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में मृदा एवं जल संरक्षण कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबंधन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | कार्य का विवरण | इकाई | मात्रा | लागत प्रति इकाई | कुल राशि लाखों में | श्रम | सामग्री | वि०वि० |
|---------|---|----------|--------|-----------------|--------------------|--------|---------|--------|
| 1 | जल ग्रहण क्षेत्र में फार्म पाउंड का निर्माण | संख्या | 1 | 56600 | 56600 | 34200 | 22400 | |
| 2 | जल ग्रहण क्षेत्र की कृषि भूमि में समोच्च रेखा पर सी०वी०एच० का निर्माण | हेक्टेयर | 200 | 3200 | 640000 | 640000 | | |
| 3 | जल ग्रहण क्षेत्र में कृषि भूमि में मिट्टी के बंड का निर्माण | संख्या | 25 | 14900 | 372500 | 265000 | 107500 | |
| 4 | जल ग्रहण क्षेत्र में कृषि भूमि में लूज स्टोन चेक डेम का निर्माण | संख्या | 25 | 3720 | 93000 | 39000 | 57000 | |
| | कुल योग | | | | | | | |

श्रम घटक 9.76 लाख

सामग्री घटक 1.86 लाख

योग 11.62 लाख

सहायक अभियंता
पं०स०पिडावा मु० सुने

16. सारांश लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में मृदा एवं जल संरक्षण कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबंधन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | कार्य का विवरण | इकाई | मात्रा | लागत प्रति इकाई | कुल राशि लाखों में | श्रम | सामग्री | वि०वि० |
|---------|---|----------|--------|-----------------|--------------------|--------|---------|--------|
| 1 | जल ग्रहण क्षेत्र में फार्म पाउंड का निर्माण | संख्या | 1 | 56600 | 56600 | 34200 | 22400 | |
| 2 | जल ग्रहण क्षेत्र की कृषि भूमि में समोच्च रेखा पर सी०वी०एच० का निर्माण | हेक्टेयर | 200 | 3200 | 640000 | 640000 | | |
| 3 | जल ग्रहण क्षेत्र में कृषि भूमि में मिट्टी के बंड का निर्माण | संख्या | 25 | 14900 | 372500 | 265000 | 107500 | |
| 4 | जल ग्रहण क्षेत्र में कृषि भूमि में लूज स्टोन चेक डेम का निर्माण | संख्या | 25 | 3720 | 93000 | 39000 | 57000 | |
| | कुल योग | | | | | | | |

श्रम घटक 9.76 लाख
सामग्री घटक 1.86 लाख
योग 11.62 लाख

सहायक अभियंता
पं०स०पिडावा मु० सुनेल

17. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि खाई एवं डोल का कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु0 सुनेल, जिला झालावाड

| क्र० सं० | कार्य का विवरण | नं० | लं० | चौ० | उ० | मात्रा | इकाई | दर | राशि |
|----------|---|----------------------------------|--------|---------------|------|--------|--------|-----|----------|
| 1 | नींव, खाई,परनाला में 1.5 मी० गहराई तक मिट्टी की खुदाई करना | 1 | 220.00 | $(0.9+1.5)/2$ | 1.20 | 316.80 | घन मी० | | |
| 2 | नींव खाई, परनाला में 1.5 मी० गहराई तक मिट्टी की खुदाई करना, तल को कूटना, पानी डालना, बगल को संवारना,खुदी मिट्टी को बाहर निकालना,नींव भरने के बाद खाली स्थानों को पुनः मिट्टी से भरना तथा बची हुई मिट्टी को 50 मी० दूरी तक निस्तारण करना,सख्त, चिकनी,कंकर मिट्टी में | मात्रा 1 की 30 प्रतिशत के अनुसार | | | | 95.04 | घन मी० | 92 | 8743.68 |
| 3 | नींव खाई, परनाला में 1.5 मी० गहराई तक मिट्टी की खुदाई करना, तल को कूटना, पानी डालना, बगल को | मात्रा 1 की 70 प्रतिशत के अनुसार | | | | 221.76 | घन मी० | 134 | 29715.84 |

| | | | | | | | | | |
|---|--|---|--------|--|--|---------|----------------|------|----------|
| | संवारना, खुदी मिट्टी को बाहर निकालना, नींव भरने के बाद खाली स्थानों को पुनः मिट्टी से भरना तथा बची हुई मिट्टी को 50 मी० दूरी तक निस्तारण करना, विघटित चट्टान | | | | | | | | |
| 4 | बीज बुवाई बनाये गये रिज पर | 2 | 220.00 | | | 440.00 | मी० | .59 | 259.60 |
| 5 | आईफोमिया कटिंग 45-60 से० मी०, दूरी 15 से० मी० रोपण करना मय भराई एवं बुडन पेगस द्वारा दबाना | 4 | 220.00 | | | 880.00 | मी० | 6.75 | 5940 |
| 6 | रतनजोत / आईफोमिया कटिंग की लेबर चार्ज 45-60 से० मी० | | | | | 5867.00 | 100नं० | .68 | 3989.56 |
| 7 | वनिकी बीजों की राशि .02 प्रति किलो प्रति 100 मी० | 5 | 220 | | | 2.20 | प्रति कि० ग्रा | 40 | 88.00 |
| | कुल | | | | | | | | 48736.68 |
| | दर प्रति हेक्टेयर | | | | | | | | 48750.00 |

सहायक अभियंता
पंचायत समिति सुनेल

18. लागत तकमीना

कार्य का नाम:-झाडी रौपण कार्य

योजना का नाम:-एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:-पिडावा मु0 सुनेल जिला झालावाड

| क्र०सं० | कार्य का विवरण | संख्या | लं० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|---------|---|--------|-----|-----|-------|--------|------|-----------|------|
| 1 | 3 नोचिंग द्वारा वानिकी पौधों की बुवाई, बीज उपचार सहित | 1 | | | | 1 | नग | 0.59 | 0.59 |
| 2 | थावला बनाना! कम से कम 50 से०मी० अर्धव्यास का अन्य जमीन | 1 | | | | 1 | नग | 1.80 | 1.80 |
| 3 | पौधों की निराई गुडाई करना ! 15 से०मी० गहराई तक तथा 45 से०मी० अर्धव्यास तक | 2 | | | | 2 | नग | 1.20 | 2.40 |
| 4 | पौधों को उपलब्ध पानी पिलाना! 15 लीटर प्रति प्रति पौधा | 1 | | | | 1 | नग | 1.80 | 1.80 |
| | कुल | | | | | | | | 6.59 |
| | | | | | | | | प्रति पौध | 6.60 |

कनिष्ठ अभियंता
पंचायत समिति
सुनेल

सहायक अभियंता
पंचायत समिति
सुनेल

19. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में कृषि भूमि में मेडबंदी का कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबंधन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल

| क्र०सं० | कार्य का विवरण | संख्या | ल० | चौ० | उ० / ग० | मात्रा | इकाई | दर | राशि |
|---------|--|--------|-----|-------------|---------|--------|-------|------|-------------|
| 1 | डाग बेलिंग 5-00से 7-5 से०मी० डीप | 2 | 100 | | | 200 | मी० | 0.15 | 30.00 |
| 2 | मिट्टी का कार्य बंध में (सूखी या गीली) 15 से०मी० परत में डालना, ढेलों को तोडना, घांस पात | 1 | 100 | 1.8+0.3 / 2 | 0.5 | 52.5 | घ०मी० | 85 | 4462. 50 |

| | | | | | | | | | |
|---|---|---|-----|--|--|------|---------|------|-------------|
| | तथा कंकर बीनकर अलग करना, तथा मिट्टी की दरेसी करना तथा शीप फूट रोलर/हैंड रैमर से मिट्टी दबाना, 1.5 मी० उठान तथा 50 मी० दूरी के लिये।कठोर मिट्टी | | | | | | | | |
| 3 | बण्ड पर घांस बीजों की बुवाई | 3 | 100 | | | 300 | मी० | 0.59 | 177 |
| 4 | घांस बीज की मात्रा 250 ग्राम प्रति 100 मी० | | | | | 0.75 | प्र०कि० | 40 | 30.0 |
| | योग | | | | | | | | 4699. 50 |
| | दर प्रति हैक्टेयर | | | | | | | | 4670. 00 |

सहायक अभियंता
पंचायत समिति पिडावा मु० सुनेल

20. लागत तकमीना

कार्य का नाम:-जल ग्रहण क्षेत्र में कृषि भूमि में लूज स्टोन चेक डेम का निर्माण

योजना का नाम:-एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | विवरण | संख्या | ल० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|---------|---|--------|----|-----|-------|--------|-------|---------------|----------------|
| 1 | डाग बेलिंग 5-00 से 7-5 से०मी० डीप | 2 | 3 | | | 6 | मी० | 0.15 | 0.9 |
| 2 | नींव व ट्रैन्च में मिट्टी की खुदाइ का कार्य, खुदी हुई मिट्टी का निस्तारण करना। सख्त मिट्टी में/कंकर मिली मिट्टी में | 1 | 3 | 3.2 | 0.3 | 7.68 | घ०मी० | 92 | 706.56 |
| 3 | नींव तथा कुर्सी में पत्थर की बेरधदा ढोका चिनाई, गारा मसाले में या बिना मसाले में सूखे पत्थर में | | | | | | | | |
| | सूखे पत्थर की चिनाई | | | | | | | | |
| | फाउण्डेशन | 1 | 3 | 3.2 | 0.2 | 1.92 | | | |
| | प्रथम स्टेज | 1 | 3 | 1.2 | 0.3 | 1.08 | | | |
| | | | | | | 3.00 | घ०मी० | 970 249.80 | 2910 749.40 |

| | | | | | | | | | |
|---|--|------------|---|--|--|----|-----|------|---------|
| | | | | | | | | | 2160.6 |
| 4 | 9. आइफोमिया कटिंग, 45-60 सेमी0 कटिंग, दूरी 15 सेमी0 का रोपण मय भराई एवं बुडन पेगस द्वारा दबाना | 3 | 3 | | | 9 | मी0 | 6.75 | 60.75 |
| 5 | 8. रतन जोत / आइफोमिया कटिंग की लेबर चार्ज 45-60 सेमी0 उँचाई | 40x60 / 15 | | | | 60 | 1नग | 0.68 | 40.80 |
| | कुल | | | | | | | | 3719.01 |
| | | | | | | | | | 1558.41 |
| | | | | | | | | | 2160.60 |

सहायक अभियंता
पंचायत समिति पिडावा मु0 सुनेल

21. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में घांस बीज रोपण का कार्य

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु० सुनेल जिला झालावाड

| क्र०सं० | कार्य का विवरण | संख्या | लं० | चौ० | उं०/ग० | मात्रा | ईकाई | दर | राशि |
|---------|---|--------|-----|-----|--------|--------|-----------|--------|---------|
| 1 | ओवरसिडिंग आफ घांस बीज मिट्टी उपचार (ट्रेक्टर) बीज बुवाई दर 6-8 किलो/है० | | | | | 1 | हैक्टेयर | 700.00 | 700.00 |
| 2 | बीज की राशि | | | | | 8 | प्रति कि० | 40.00 | 320.00 |
| 3 | चारागाह की सुरक्षा हेतु चौकीदारी का कार्य | | | | | 1 | | 0.00 | 0.00 |
| | कुल | | | | | | | | 1020.00 |
| | | | | | | | | | 1020.00 |

कनिष्ठ अभियंता
पंचायत समिति
सुनेल

सहायक अभियंता
पंचायत समिति
सुनेल

22. लागत तकमीना

कार्य का नाम:—जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि में समोच्च रेखा पर डिच का निर्माण

योजना का नाम:—एकीकृत जल ग्रहण प्रबन्धन परियोजना पिडावा द्वितीय

पंचायत समिति:—पिडावा मु० सुनेल जिला झालावाड

| क्र० सं० | कार्य का विवरण | संख्या | लं० | चौ० | उ०/ग० | मात्रा | इकाई | दर | राशि |
|----------|--|--------|-----|---------|-------|--------|-----------|------|------|
| 1 | नेव व ट्रैन्च में मिट्टी की खुदाई का कार्य, खुदी हुई मिट्टी का निस्तारण करना तथा सममतल करना! सख्त मिट्टी/कंकर मिट्टी | 1 | 400 | (0.6)/2 | 0.2 | 24 | घ०मी० | 92 | 2208 |
| 2 | बीज बुवाई बनाये गये रिज पर | 2 | 400 | | | 800 | मी० | 0.59 | 472 |
| 3 | वनिकी बीजों की राशि 0.2 प्रति किलौ प्रति 100 मी० | 5 | 400 | | | 4.00 | प्रति कि० | 40.0 | 160 |
| | कुल | | | | | | | | 2840 |
| | दर प्रति हेक्टेयर | | | | | | | | 2840 |
| | | | | | | | | | |
| | | | | | | | | | |

कनिष्ठ अभियंता
पंचायत समिति
सुनेल

सहायक अभियंता
पंचायत समिति
सुनेल

ESTIMATE

| | |
|---|-------|
| 1. जल ग्रहण क्षेत्र में रन आफ मेनेजमेन्ट स्ट्रेक्चर का निर्माण..... | 1-2 |
| 2. जल ग्रहण क्षेत्र में नाले का तट स्थितिकरण का कार्य..... | 3 |
| 3. जल ग्रहण क्षेत्र में कृषि भूमि में मिट्टी के बण्ड का निर्माण कार्य..... | 4- |
| 4. जलग्रहण क्षेत्र में नाले में एनीकट का निर्माण कार्य | 5-8 |
| 5. एनिकट निर्माण नाले पर | 9-12 |
| 6. जल ग्रहण क्षेत्र में फार्म पाउण्ड का निर्माण..... | 13-14 |
| 7.जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि सिल्विपास्चर का कार्य..... | 15 |
| 8. जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में पौधारोपण काकार्य..... | 16 |
| 9. जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में पौधारोपण का कार्य..... | 17 |
| 10.जल ग्रहण क्षेत्र में पहाडी भूमि में स्टेगर्ड ट्रेन्चों का निर्माण..... | 18 |
| 11.जल ग्रहण क्षेत्र में छोटे डग आउट पौण्ड का निर्माण..... | 19 |
| 12.जल ग्रहण क्षेत्र की कृषि भूमि में गली प्लग /लूज पत्थरों के चेक डेम का निर्माण..... | 20 |
| 13.जल ग्रहण क्षेत्र में डाइवर्जन डेन का निर्माण..... | 21 |
| 14. नालों के उपरी भागों में लाइव चेक डेम का निर्माण..... | 22 |
| 15. सारांश तकमीना..... | 23 |
| 16. जल ग्रहण क्षेत्र में मृदा एवं जल संरक्षण काय..... | |
| 17. जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि खाई एवं डोल का कार्य | |
| 18. :-झाडी रोपण कार्य | |
| 19. जल ग्रहण क्षेत्र में कृषि भूमि में मेडबंदी का काय | |
| 20. जल ग्रहण क्षेत्र में कृषि भूमि में लूज स्टोन चेक डेम का निर्माण | |
| 21. जल ग्रहण क्षेत्र में ग्राम पंचायत चारागाह में घांस बीज रोपण का कार्य | |
| 22. जल ग्रहण क्षेत्र की ग्राम पंचायत चारागाह भूमि में समोच्च रेखा पर डिच का निर्माण | |