

# IWMP - IV - P.S SHAHPURA



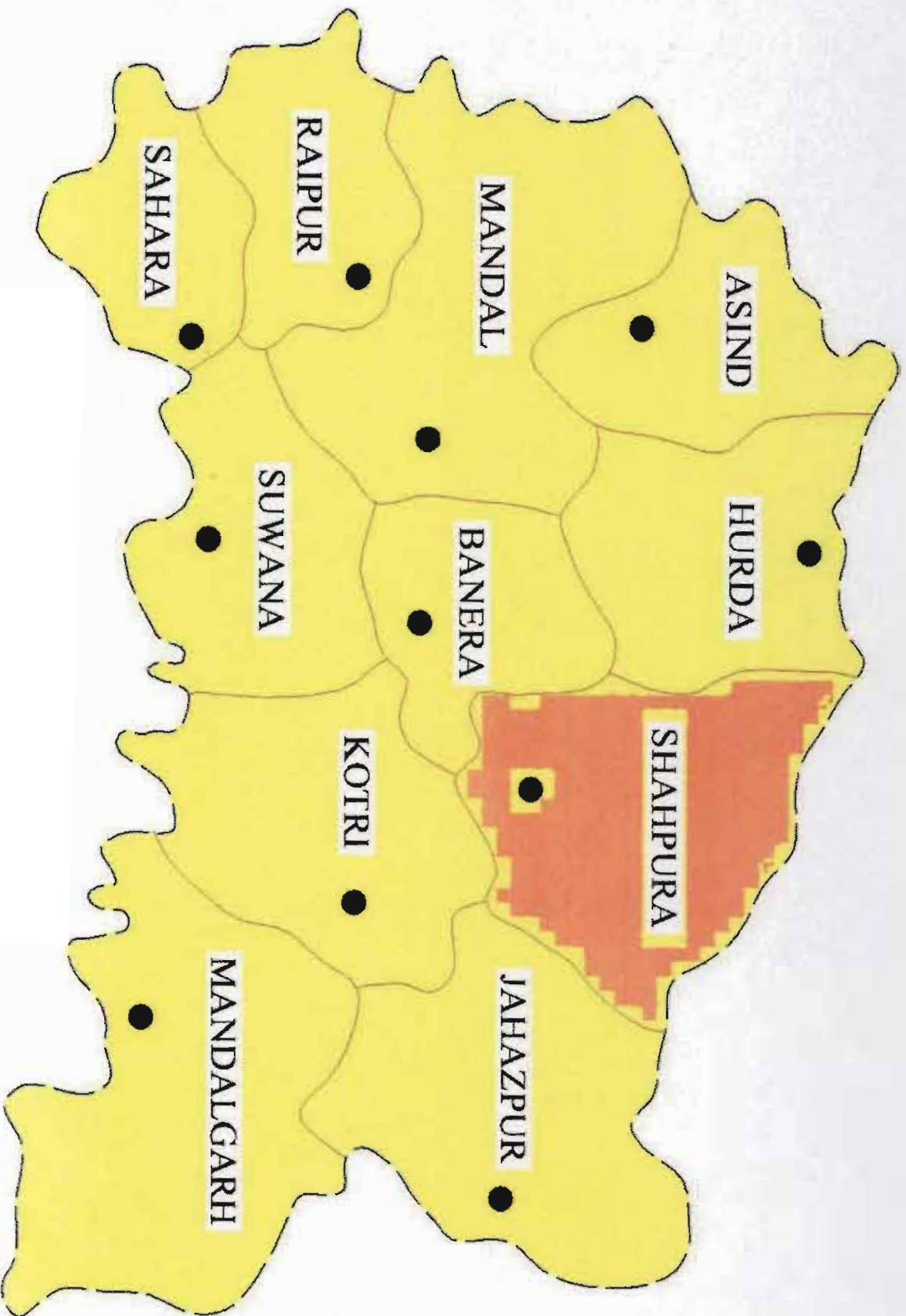
## DETAIL PROJECT REPORT

|                             |           |                             |
|-----------------------------|-----------|-----------------------------|
| <b>NAME OF WATERSHED</b>    | <b>:-</b> | <b>SHAHPURA (IWMP - IV)</b> |
| <b>MACRO/ MICRO</b>         | <b>:-</b> | <b>3/1,15,16</b>            |
| <b>GEOGRAPHICAL AREA</b>    | <b>:-</b> | <b>4656 Ha.</b>             |
| <b>PROPOSED AREA</b>        | <b>:-</b> | <b>4656 Ha.</b>             |
| <b>FOR TREATMENT</b>        | <b>:-</b> | <b>4656 Ha.</b>             |
| <b>TOTAL AMOUNT</b>         | <b>:-</b> | <b>2627.82 LAC.</b>         |
| <b>WATERSHED SCHEME</b>     | <b>:-</b> | <b>558.72 LAC.</b>          |
| <b>OTHER SCHEME</b>         | <b>:-</b> | <b>2069.10 LAC.</b>         |
| <b>TOTAL COST PER HACT.</b> | <b>:-</b> | <b>0.560 LAC.</b>           |
| <b>W/S COST PER HACT.</b>   | <b>:-</b> | <b>0.12 LAC.</b>            |
| <b>PANCHAYAT SAMITI</b>     | <b>:-</b> | <b>SHAHPURA</b>             |
| <b>DISTRICT .</b>           | <b>:-</b> | <b>BHILWARA</b>             |

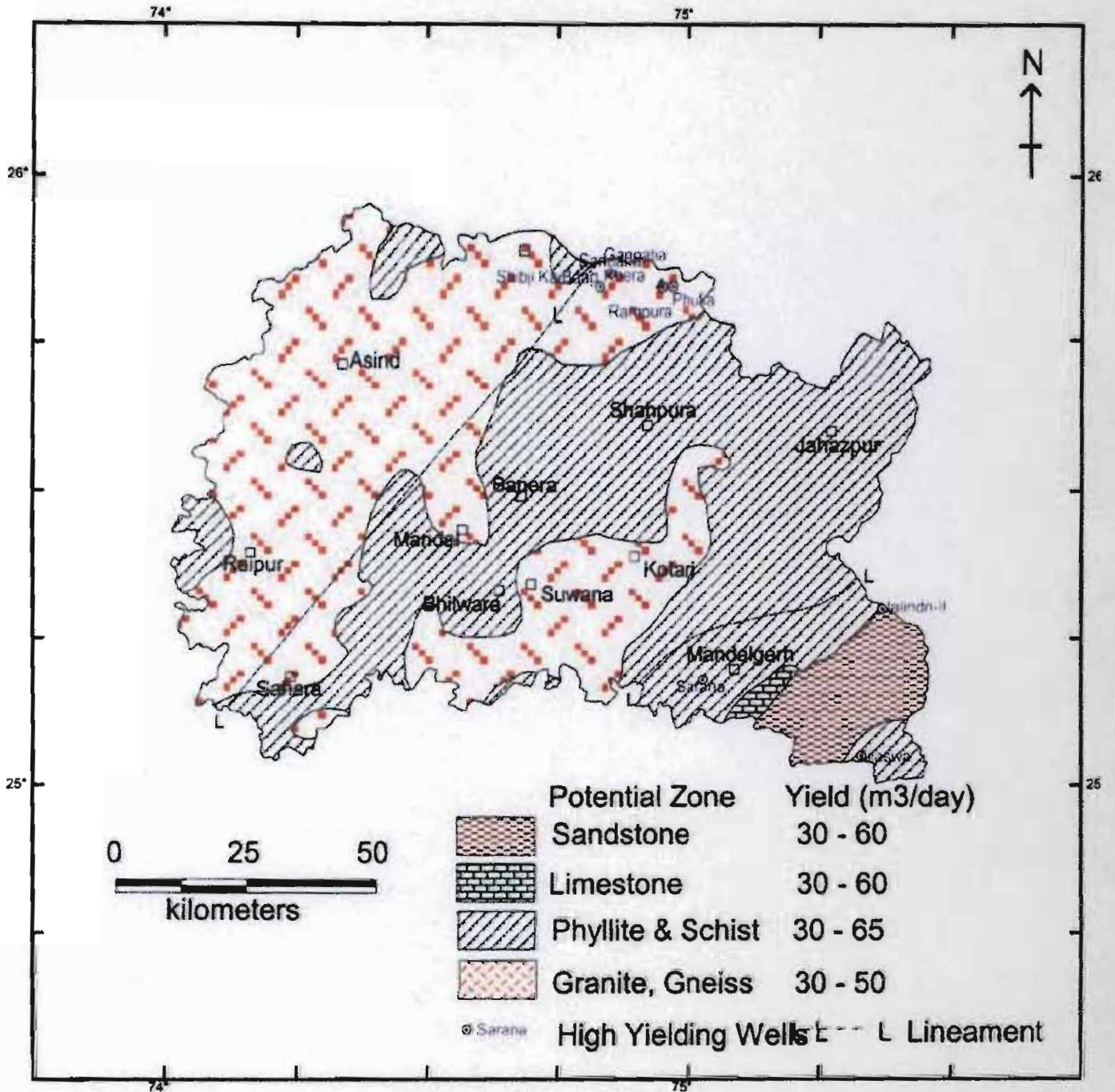
**ASSISTANT ENGINEER  
PANCHAYAT SAMITI SHAHPURA  
BHILWARA (RAJ.)**



INDEX MAP  
DISTRICT - BHILWARA (RAJ.)



# Hydrogeology of Bhilwara District, Rajasthan







# Table of Contents

## Project at a Glance

## Watershed Map

1. Introduction
2. About Shahpura
3. Watershed Development in Shahpura
4. Conceptual Buildup: Strengthening Watershed Development Work
5. Project Purpose, Objectives and Outcomes
6. Area Details
  - 6.1 Geographical Profile
  - 6.2 Geological Profile
  - 6.3 Ecological Profile
  - 6.4 Land Use Profile
  - 6.5 Demographic Profile
  - 6.6 Livelihood Profile
7. Elements of Work
  - 7.1 Ecologically sound regeneration
  - 7.2 Institutional mechanism
  - 7.3 Building dialogue and discussion
8. Components of Work
  - 8.1 Capacity building and community mobilization
  - 8.2 Work on landscape components
    - 8.2.1 Work on arable land
    - 8.2.2 Work on non arable land
    - 8.2.3 Drainage line treatment
  - 8.3 Livelihood promotion activities

## **Project at a Glance**

|                                     |   |   |
|-------------------------------------|---|---|
| 1. Name of watershed                | : | Integrated Watershed Management Program                 |
| 2. Total watershed area             | : | 4656 Ha.  |
| 3. Macro watershed number           | : | 3   |
| 4. Micro-watershed number           | : | 3/1, 15 & 16  |
| 5. Gram Panchayat                   | : | Lasariya, Bachh Khera                                   |
| 6. Villages in watershed area       | : | Antoli, Deopuri, Kotri Meena, Lasariya,<br>Bachh Khera, |
| 7. Panchayat Samiti                 | : | SHAHPURA  |
| 8. Tehsil                           | : | SHAHPURA  |
| 9. Total Population of w/s Area     | : | 8494 No   |
| 10. Total No. of Families           | : | 1521 No   |
| 11. Percentage of SC/ST Population: | : | 23.27% & 18.67%   |
| 12. Percentage of BPL Families      | : | 30.22%  |
| 13. Name of project                 | : | Integrated Watershed Management Program                 |
| 14. Total Amount                    | : | 2627.82 Lacks   |
| 15. W/S Scheme                      | : | 558.72 Lacks  |
| 16. Other Scheme                    | : | 2069.1 Lacks  |
| 17. Cost per Ha                     | : | 0.56 Lac.   |



## **1. Introduction:**

Drought and consequent famine has become a recurring phenomenon in Rajasthan as with few other regions of the country. Despite rich heritage Rajasthan is one of the poorest states in the country. The backwardness and the hardship that the people face to cope up with the environmental adversity, the inadequacy and the uncertainty of food supply due to disasters make it difficult for the people to take the advantage of various development schemes.

In order to combat the frequent recurrence of drought in the States, Drought Prone Area Programme (DPAP) was introduced during the year 1975, as a Centrally Sponsored Scheme (CSS) with matching state share of 50:50 and adopted the watershed approach in 1987. The Drought Prone Area Programme concentrated on non-arable lands. Drainage lines for in-situ soil and moisture conservation, agro-forestry, pasture development, horticulture and alternate land use were its main components. Integrated Wasteland Development Programme (IWDP) was introduced during 1992 with 100% Central assistance.

The Indian government accords high priority to integrated watershed management programs, especially in rain-fed and drought-prone areas. The department of Land Resources (DoLR) has been implementing three area development programmes namely- Drought Prone Area Programme (DPAP), Desert Development Programme (DDP) and Integrated Wasteland Development Programme (IWDP) since 1995. From April 2008, these three programmes has been Integrated into one comprehensive scheme based on Common Guidelines, framed by National Rain fed Area Authority (NRAA). The modified scheme is known as Integrated Watershed Management Programme. The central government has initiated integrated watershed management program in collaboration with the state government in semi arid region in the country.

Resource degradation has an adverse impact on human welfare. Degraded environment tends to affect livelihood of the poor and particularly of women adversely. Generally the poor depends upon the common property resources and degradation of the CPR's affects the consumption levels, nutrition and livelihood of women adversely. The program believes on the ability of communities to initiate and sustain collective action often depends on internal socioeconomic characteristics and the biophysical and socioeconomic setting. This program also acknowledges the potential of watershed development in dry land areas, aiming to strengthen the ecological and institutional foundation to strengthen the rural livelihoods.

The program provides opportunity to Asst. Engineer (Watershed) P.S. Shahpura to develop 4656 ha through Department of Land Resources and Watershed, Zilla Parishad, Bhilwara. The innovative approach attempts to address the critical issues of natural resource management and set in example of model practices for scaling of such initiatives. Keeping in view the watershed-based development approach, the project will prepare a detailed project report to guide the implementation process. The project would be a unique opportunity to work on issues of ecological security and improvement in the well being of the different sections of the society and will guide the planning, implementation and the capacity building aspects.

The project will guide an intervention, which is anchored on people's engagement at various levels, and is based on the specific characteristics of the socio-economic-ecological settings, to foster a healthy relationship between livelihoods and natural surroundings and offer a stable economic opportunity. In translating into action, it is essential to realistically assess the potential of the farming system, common and private resources, and soil, water, biodiversity and nutrient capacity. The scope of the desired intervention is in terms of bringing equilibrium between supply and demand

both quantitatively and qualitatively, so as to develop a balance between appropriation and production needs. Such a realistic assessment and movement towards a balanced land use and livelihoods strategies would significantly depend on the strength and character of the institutions of collective management and regulation, matched by consonant policies.

## **2. about Shahpura:**

Shahpura is situated between 74°44'0" E to 75°6'0" E and 25°29'0" N to 25°53'0" N and has an average Elevation of 350 mts from mean sea level. The Northern boundary is Ajmer Distt. and on the East by P.S, Jahazpur, on the South by Kotri P.S. and on the West by Banera & Hurda P.S. are surrounded in other sides. The topography is both undulated as well as plain. On one side it is surrounded by plain and good forest reserve on the other hand there lies a huge patch of land with minimum slope and degraded ecosystem. With an program to implement watershed development in the region, 4656 ha of land has been demarcated, to treat the eco-fragile land and improve the livelihood pattern both in terms of food and fodder through decentralized governance mechanism.

The Integrated Watershed Development Program aims to address the critical issues of natural resource management and set in example of model practices for scaling of such initiatives. Through this program implementation in both public and private land has been focused. Productivity enhancement and livelihoods shall be given priority along with conservation measures. Resource development and usage will be planned to promote farming and allied activities to promote local livelihoods while ensuring resource conservation and regeneration.

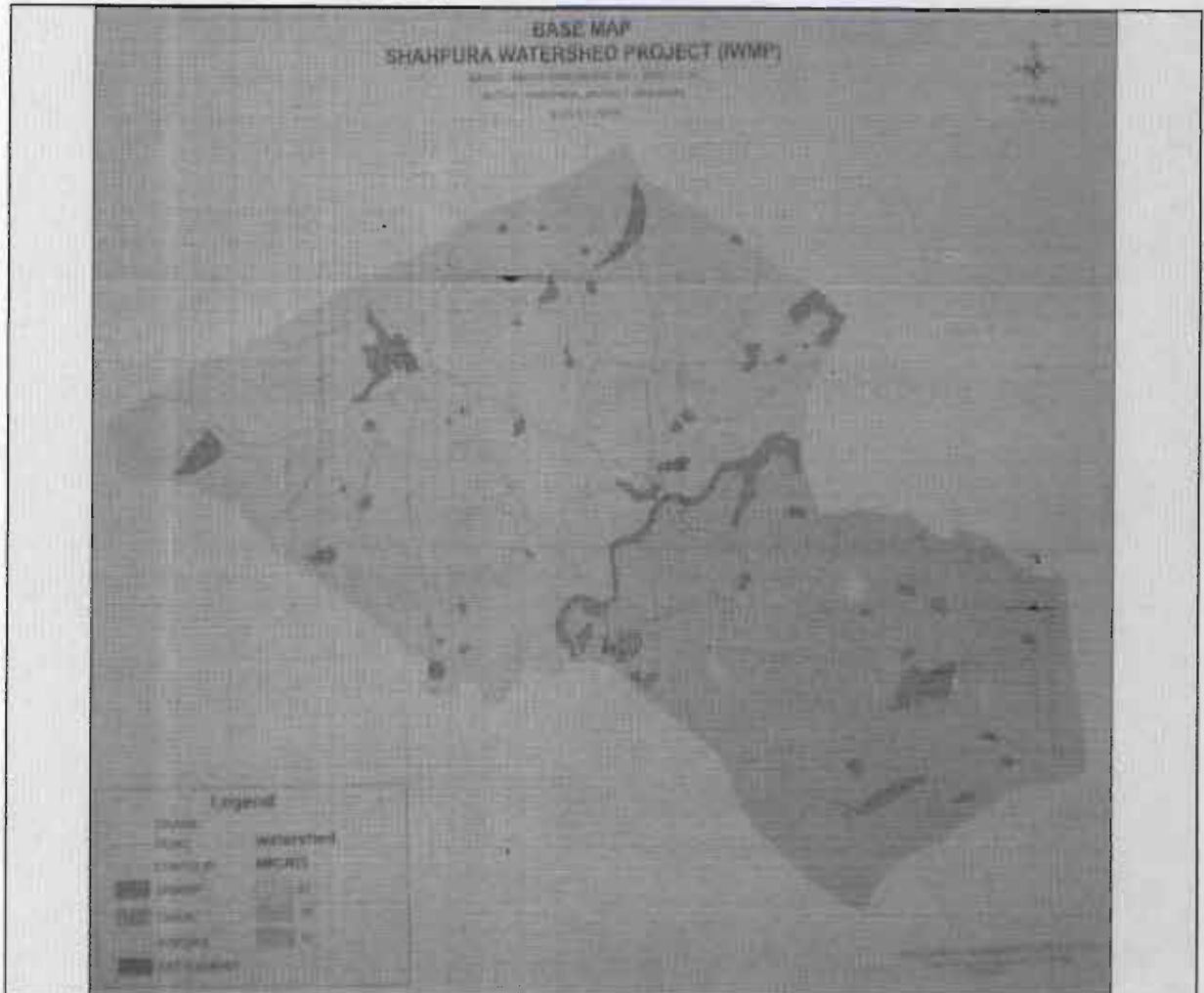
Capacity Building and training of all functionaries and stakeholders involved in the watershed programme implementation would be carried out. The watershed development process would be synergized with the employment generating programmes such as the Mahtma Gandhi National Rural Employment Guarantee Scheme (MNREGS).

Project would include in the formation of SHGs, User groups, village level committee and Watershed Committee. The implementation would include the involvement of the groups for better implementation, participation and transparency.

### **3. Watershed Development in Shahpura:**

Watershed Development programs have become the most important tools for promoting growth in dry-land areas of India. People in the arid and semi-arid regions of Rajasthan practice innovative methods of harvesting rainwater for drinking and agricultural purposes by building embankments since ages to meet water requirement for various purposes. Various Govt policies and different agencies are working in the field of watershed focusing on watershed management, natural resource management, drought mitigation, improving drinking water supply, soil conservation, etc. A range of activities was undertaken to harness rainwater. The structures ranged from earthen field bunds to cement and concrete structures, plugging water flow in small streams and structures to harness the flow from whole watersheds or sub-river basins. With all these interventions, the main objective was to check surface water runoff, impound water and recharge groundwater.

Watersheds connect land units through flows of water, nutrients, and sediment. However the patterns of interaction among these components is highly complex with the landscapes under constant change, emerging as the outcome of dynamic and variable ecological processes and disturbance events, in interaction with human use.



The total geo-graphical area of Shahpura Tehsil 100900 Ha divided in 93 micro w/s, out of which ----- corresponding----- Ha areas has been treated so far. .

According to IWMP, 5 Villages of Shahpura Tehsil have been identified falling under the watershed comprising of 4656 Ha. Erratic rainfall and degradation of natural resources has brought up the concern in controlling and developing the resources, for which the tehsil have been focused upon as the drainage lines opens into - Mansi & Khari River basin. IWMP - IV is also an initiative of National Rural Livelihood Mission which basically focuses on watershed development. This program will not only develop the common land but would also benefit the farmers by working in their

private land. The program would focus on livelihood enhancement focusing in promoting best practices in agriculture as well as for animal husbandry.

Groundwater recharge depends on geo-hydrological parameters so it becomes difficult to assess their actual impact. This becomes even more difficult when the intervening agency is not aware of these technical parameters. Keeping on mind about the different parameters on ground water recharge survey based on geo-hydrology has been emphasized to avoid the difficulties. Impact of watershed on well and open well irrigation is assessed in terms of wells and the changes in the depth of the water table.

The programme also intends to conduct capacity building programs at various levels to sensitize the community in effective implementation of the program. The trainings would focus on various aspects including strengthening of village and Panchayat level institutions, SHGs, exposure visits on NRM, Institutions and Volunteerism. The trainings would also be a platform in setting up and facilitating long term processes that bring different groups into constructive engagements, dialogue and decision making towards good governance of the landscape.

#### **4. Conceptual Build-up: Strengthening Watershed Development Approach**

Rural poverty is mostly associated with recurrent occurrences of drought, poor maintenance and degradation of natural resources. Degradation of land and water resources is one of the most serious problems being faced by India today, particularly in the semi arid areas, and Shahpura is no exceptional. It has led to adverse economic and ecological consequences in contemporary rural society, where survival, sustenance and growth are intimately linked to the health and productivity of the surrounding natural resources. In the recent past, several interventions were made to reduce poverty through drought-proof technologies. Transition in climate and degradation of

Natural Resources is one of the reasons for Watershed Development and has huge prospects in transforming rural lives and looks into holistic process of:

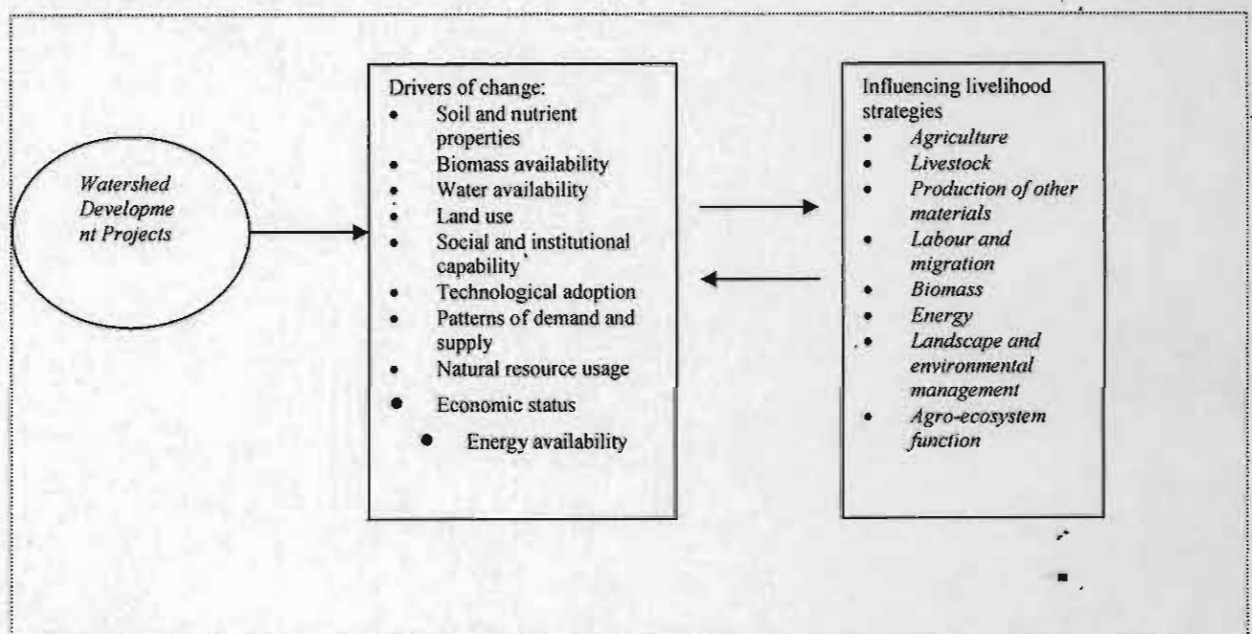
- Introducing new knowledge and technology.
- Appreciating, maintaining and adapting traditional knowledge.
- Building effective exchange systems through a diverse set of institutional arrangements.
- Building and strengthening specific, responsive, accountable and adaptive systems.

Though in general 'guidelines' and conceptual documents incorporate these elements, however specific focus on only one or two components have not helped in fulfilling the major objectives of watershed development programs. In this respect specific attention needs to be given to further strengthen watershed development approach.

Some of the key issues have been highlighted for these purposes are:

**a) Addressing comprehensively the micro-drivers of change:**

Watershed development projects have huge potential to address the micro-drivers effectively. However the degree to which the various



drivers in the three major components of social-economic-ecological are comprehensively addressed in watershed development projects leaves much to be desired. The degree to which these drivers are properly understood and incorporated

in watershed management plans will directly influence how much the project potentially is able to influence the various aspects of livelihood strategies.

Another important aspect is comprehensively looking both the supply side enhancement measures and the demand side management measures in watershed development programs. Only focusing on the supply side enhancement measures have not helped the communities to put up sustainable and judicious use of the resources created. Demand management through better socio-institutional capability, technological adoption etc., would need to be properly incorporated in the project design to impart sustainability to resource management practices.

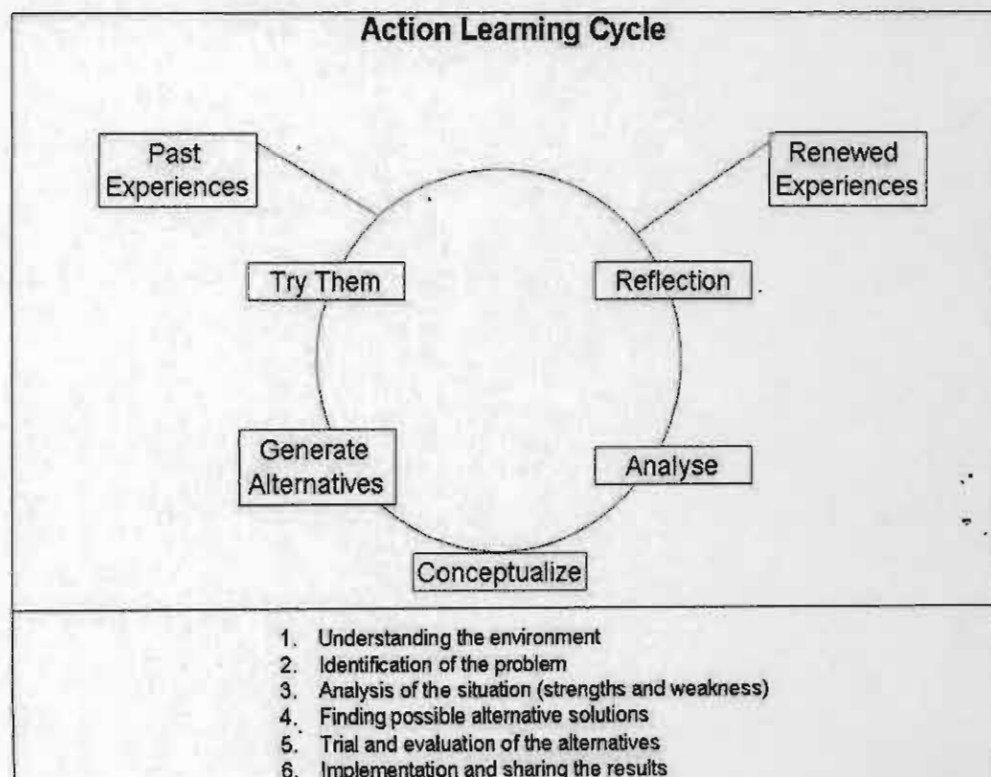
#### b) Watershed development and adaptive management

Watershed management has several characteristics which include:

- Multiple stakeholders with multiple interests.
- Complex ecological systems with a variety of land use.
- High level of uncertainty and many unknown factors.

This makes watershed management a complex process requiring a learning approach based on a process of experimental decision-making and monitoring. Adaptive management has been developed to address these characteristics and 'is

an



approach for managing the complex systems based on incremental, experiential learning and decision making, supported by active ongoing monitoring and feedback from the effects of outcomes of decisions'. It involves the process of building social capital among stakeholders for collaboration and learning, and knowledge sharing among group members.

**c) Watershed development with an Integrated Landscape Restoration Program**

Watershed projects should be seen as means to put in sustainable land-use planning. Landscape restoration approach is a process that aims to regain ecological integrity and enhance human well being in degraded landscapes. Key aspects of LRA are that it focuses on:

- Restoration decision on how best to restore functionality, that is, the goods, services and processes that the different components of landscape delivers.
- It recognizes that neither the solutions to the complex land use problems nor the outcomes of a particular course of action can be predicted accurately, especially as ecosystems nor land-use patterns change over time.
- It recognizes the need for multi-solution approach to provide the practitioners with sufficient flexibility to address the complex issues.

Landscape constitutes of different components and the pattern in which these components are distributed makes each landscape a unique one. Based on the location specificities landscape can be classified as agricultural landscape, pasture landscape, forest landscape, or even more. In improving watershed management approach the value of this framework is not only in clearly envisioning specific restoration plans for each components but also in establishing the links with

different landscape component and its contribution for specific landscape restoration.

## **6. Project Purpose, Objectives and Outcomes:**

*The broad objectives of the project are:*

- a. Strengthen the capacity of village institutions and panchayats to implement and support watershed development plan.
- b. Restore functionality of different landscape components comprehensive approach to conservation to deliver intended goods and services.
- c. Restore ecological integrity by increasing flow of nutrients, water and biomass across the landscape with improved biodiversity and stabilized production systems.
- d. Increase household incomes through strengthening current livelihood strategies, introducing new ones and diversifying sources of income.

*In this context, the purpose of the project would be:*

- To assist village communities in obtaining tenure on public land or usufructs and initiating strengthening systems of collective management and governance over land and water, in a contiguous area to draw on the advantages of its ecological and social structure.
- To increase the availability of biomass through revegetation of the marginal lands and increased availability of surface and ground water through soil and moisture conservation and retention measures.
- To assist communities in effectively integrating animal husbandry, agriculture and natural resources management and in regulating the demand for biomass and water through rules, regulations and mechanisms evolved by community institutions at village and inter village levels

- Landscape planning and management brings the conservation fully into the rural development discourse by highlighting the importance of ecosystem services in supporting continued agricultural production. It emphasizes both the need and the opportunity to foster synergies among conservation, agricultural production, livestock production and rural livelihoods.
- To strengthen the village level and meso-level governance of biomass and water resources by village communities, including involvement of Panchayats in addressing natural resource management along with other initiatives of the Government, Multilateral agencies.
- To promote partnerships between the village communities, academia, civil society and district administration that collectively envision, develop and implement land use plans for the conservation and judicious use of natural resources.
- To promote convergence by implementing watershed works in private land through different ongoing development schemes.

*Implementation of the project for seven years would result in the following outcome:*

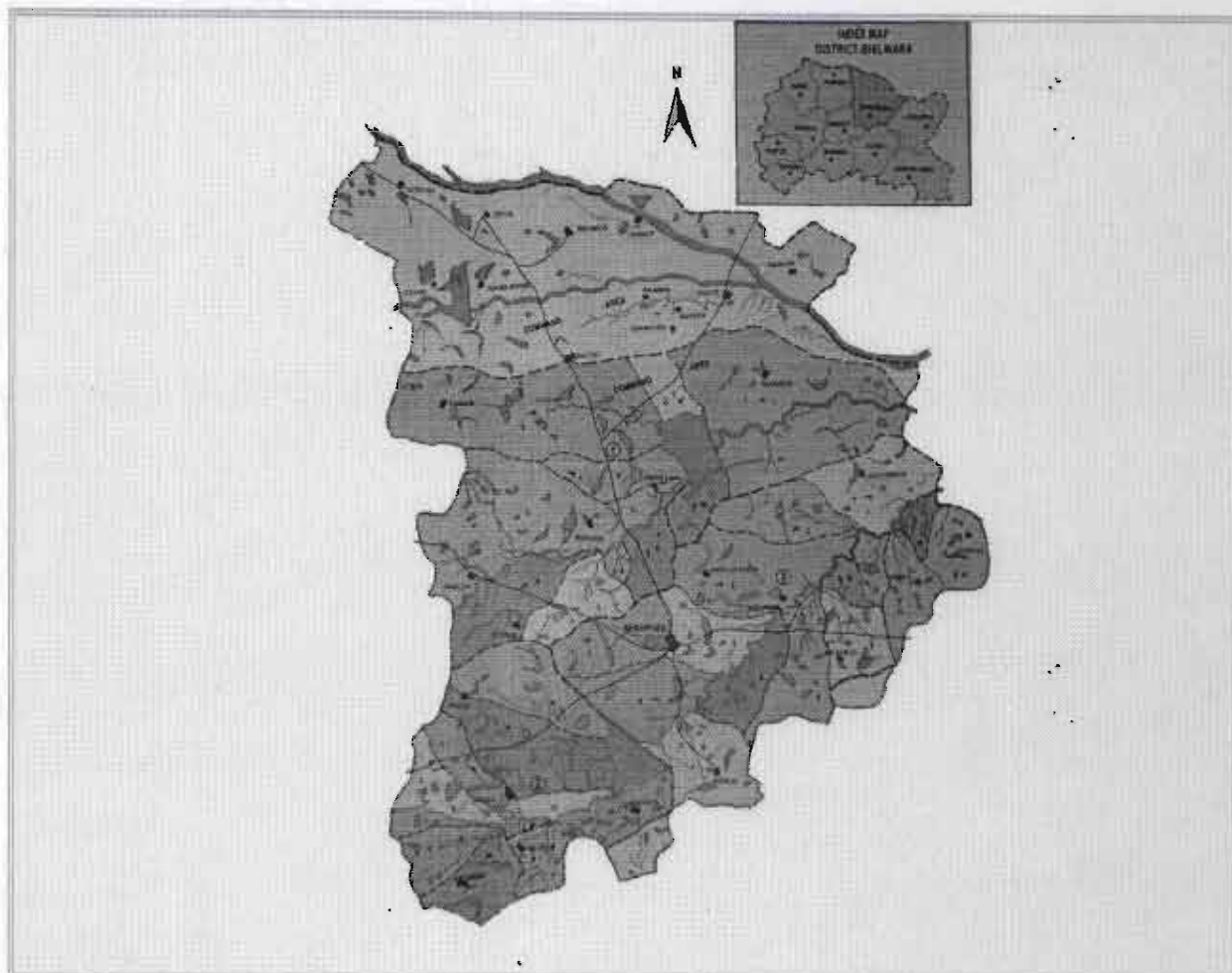
- Lack of participation makes the implementation of watershed projects very ineffective therefore strong collective management by village institutions over their landscape, with appropriate tenure arrangements, in contiguous areas in each location. As the setting and level of discussion in each of the institutions would vary, processes on appropriation and production would be at different levels of maturity and intensity. However, processes on integration of various components of the ecosystem, an assessment of their status and a proactive course of action would be evolved by the communities within and across habitations.
- The biomass and biodiversity of common lands would be improved, and the availability of surface as well as ground water would be increased.

- Village communities would be moving towards effective integration of animal husbandry, agriculture and natural resources management and regulating the demand for biomass and water through rules, regulations and mechanisms evolved by them at village and inter village levels.
- Village level and meso-level governance of biomass and water resources by village communities, strengthened along with the involvement of Panchayats, government, civil society, other agencies etc.
- Landscape planning and management engages different actors (scientific experts, professionals and village communities) in an informed, iterative and participatory planning process. This planning process through understanding alternative future scenarios helps to encourage informed discussions of alternatives. The discussion leads to a landscape plan that is adaptive in terms of implementation, monitoring and learning.

## 7. Area Details:

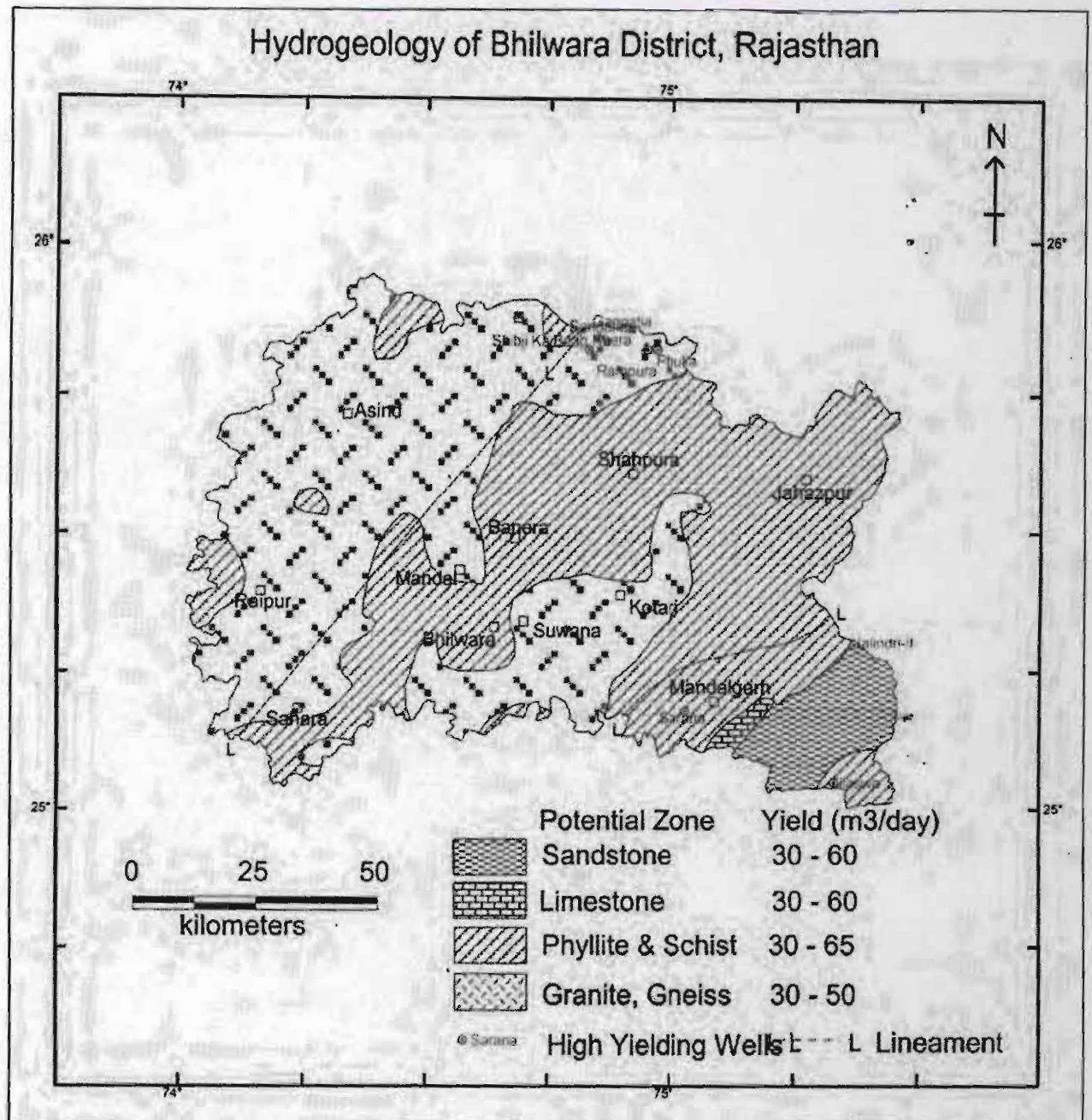
### 7.1 Geographical Profile:

IWMP IV watershed is Located in Shahpura Tehsil of Bhilwara. Shahpura is situated between 74°44'0"E to 75°06'0" E and 25°29'0" N to 25°53'0" N and has an average elevation of 400 mts from mean sea level. The Northern boundary is Ajmer Distt. and on the East by P.S. Jahazpur, on the South by Kotri P.S. and on the West by Banera & Hurda P.S. are surrounded in other sides. Bhilwara district falls in the Banas (9157.2 sq km), Chambal (1164.9 sq km) & Luni basin (133.0 sq km).



## 7.2 Geological Profile:

The main rock types found in this place is Migmatite, Composite Gneiss, Granite, Granite Gneiss, Biotite Schist and Calc-silicates. The minerals found are mainly quartz, feldspar, pyroxene, amphibole, biotite, apatite, muscovite, fluorite, tourmaline etc. The presence of fluoro-apatite and the presence of tourmaline is the main indicator for presence of fluoride which is being dissolved in ground water. The soil in this area is also contaminated in terms of fluoride due to presence of fluoride minerals in rocks.



### Grassland Ecosystem

Grassland ecosystem is a type of terrestrial ecosystem. Grasslands occupy a comparatively huge stretches of landscape approx. 19.70% of total geographical area under permanent pastures. These grasslands are at degradation stage of tropical dry deciduous forests. Both types of grasslands are found in the district. In Asind area, *Dicanthium-Cenchrus-Lasiurus* Grassland is found.

In Shahpura the Rainfall ranges between 315-650 mm, which is favorable for the former grassland type, the temperature is also very high. The average annual Temperature ranges between 28-32°C.

Table 4: Grass species present in the area

| Locality                              | Annual Species  | Perennial Species   |
|---------------------------------------|---|---|
| Stony sites, hills slope              | <i>Arustedo depressa</i> :<br><i>A. Adrean rions Melano</i><br><i>elenchrui</i> | <i>Cenchrus citigera</i><br><i>Cenchrus ciliaris</i><br><i>Heteropogon contractus</i><br><i>Setaria Nonom</i><br><i>Chrysopogon - felius</i><br><i>Eremopogon foveoloty</i> |
| Depression, plateau valley, deep soil | <i>Aristed ship</i><br><i>Chlores uengata</i><br><i>Eragrotis sp</i>            | <i>Dieanthlime annualatc</i><br><i>Eremopogonrh</i><br><i>Cynoctan dactylan</i><br><i>Bothriochloa.</i>   |

#### Flora & Fauna -

In hilly area, where forest cover is better, *Apluda mutica* is seen growing in abundance. This is an annual tall grass that can grow under partial shade up to some extent. Along moist shady streams, *Ammonia pentandra*, *Bergia ammonites*, *Cyprus rotundas* etc grass can be seen.

In the plains, *Prosopis juliflora*, *Acacia nilotica*, *Azadiracta indica*, *Acacia lucophloea*, *Bateau monospermous*, *Anogeisus pendula* and related species, Date Palm along the drainage lines etc are found in abundance. It is also found that where *Prosopis* forms the green cover in the project area, yet acts as a problem for the community as seen to grow profusely along the road sides capturing road and making it difficult to pass by, also creates problem by blocking the drainage lines.

The primary consumers are the herbivores feeding on grasses comprising mainly of cow, buffalo, sheep, hare, blue-buck, mouse, millipedes, centipedes, ants, grasshoppers, beetles, babbler, crow, Bulbul, etc. Besides, secondary consumers are those who are feeding on herbivores. They are hyena, jackal, fox, lizard, snakes, mongoose, etc. Hawks feed on small secondary consumers, thus occupying the tertiary consumers. Decomposers active in decay of dead organic matter of different life forms are fungi like Mucor, Aspergillus, Penicillium, Cladosporium, Rhizopus, Fusarium etc., and some bacteria and actinomycetes. They bring about the mineral back to the soil, thus making them available to the producers.

#### **Pond/Reservoir Ecosystem**

A pond as a whole serves a good example of a fresh water ecosystem. Shahpura is a drought prone area. Therefore, traditionally, ponds/reservoirs/water bodies have been developed at many places to meet the water requirement/availability for domestic consumption, irrigation use as well as livestock drinking during stress period mostly. Coincidentally, these water bodies provide very good aquatic habitats. Terrestrial animals like migratory birds also find solace for their breeding during winter. These ponds are a self-sufficient and self-regulating system. They are very rich in basic inorganic and organic compounds, such as water itself, carbon dioxide gas, oxygen gas, calcium, nitrogen, phosphates, amino acids, humic acid, etc. Some proportions of nutrients are in solution state but most of them are present as stored in particulate matter as well as in living organisms. Various organisms that constitute the biotic component like Potamogeton, Hydrilla, Vallisneria, Utricularia, Azolla, Lemna, Oscillatory, Anabaena, Chlamydomonas, Spirula etc. A few insects and both small and large fishes are found in various ponds or lakes.

### **Non-perennial River Ecosystem**

Major rivers of Shahpura is Mansi & Khari River. The river which was perennial 10 years ago has become non-perennial now. Numerous small as well as large dams have been constructed along the river. Not only this stored water provide water for irrigation and drinking purposes of the people, the reservoirs act as pond/lake ecosystem as well. Ecologically also, these water systems are very important. Several aquatic life forms emerge during the period of water-flow, but as soon as they dry up in winter and summer, the aquatic life suddenly disappears. Commonly occurring life forms are:

As they drive up, the entire tract of their courses glows with the shinning of sands. Large deposits of gravels and pebbles also occur along the banks. The riverbeds of some of these rivers are predominantly composed of hard rocks, exposed and literally dead. Though some small life forms occur sporadically where the stagnant water is found along the course.

### **Cropland Ecosystem**

Cropland ecosystems are artificial or man-engineered, where, in order to obtain more food, cloth, timber, medicines and other useful products, man becomes responsible for the replacement of natural systems. To secure maximum production, man makes much planned manipulations in the physico-chemical environment. These include addition of fertilizers to soil, use of chemicals for disease control, proper irrigation practices etc. Thus, a cropland ecosystem is an artificial system aimed primarily to grow a single species of one's choice. We have ecosystems of dominant crop species like maize, jowar, wheat, bajra, vegetables, etc. under suitable conditions of their growth and yield. It is generally argued that in a natural ecosystem, the nature maximizes for gross production, whereas in an artificial ecosystem, man maximizes for net production. In a cropland ecosystem, there is not necessarily an increase in the total dry matter production of the whole plants, but generally most of the production goes into grain

and less into leaves, stems and roots. Thus, in agriculture, there is an objective to achieve high rate of production (P) of readily harvestable products with little standing crop (B) left in the field for accumulation or we may say that there is a high P/B efficiency. Nature, on the other hand, follows just the reverse efficiency, i.e. a high B/P ratio where the standing crop is generally accumulated to its maximum.

- **Abiotic Component**

These include the climatic conditions such as rainfall, temperature; wind velocity, frost, hail, humidity etc. are suitable for the above mentioned crops, especially maize.

**Biotic Component**

The various living organisms in the food chain occur as follows:

- **Producers:**

The dominant plant species would naturally be Zea Mays, Urad, Jowara and Till. A number of weeds like Cynodon dactylon, Launnea nudicaulis, Euphorbia hirta, Cyprus rotundas, Digitaria Spp., Alysicarpus spp. also contribute to primary production of the field.

- **Consumers:**

Primary consumers are herbivores represented by a variety of animals, big as well as small. The smaller animals include chiefly the insects as aphids, trips, beetles, etc. which feed and lay their eggs on maize leaves. Larger animals are rabbits, rats, birds and man feeding on leaves, flowers and fruits of maize.

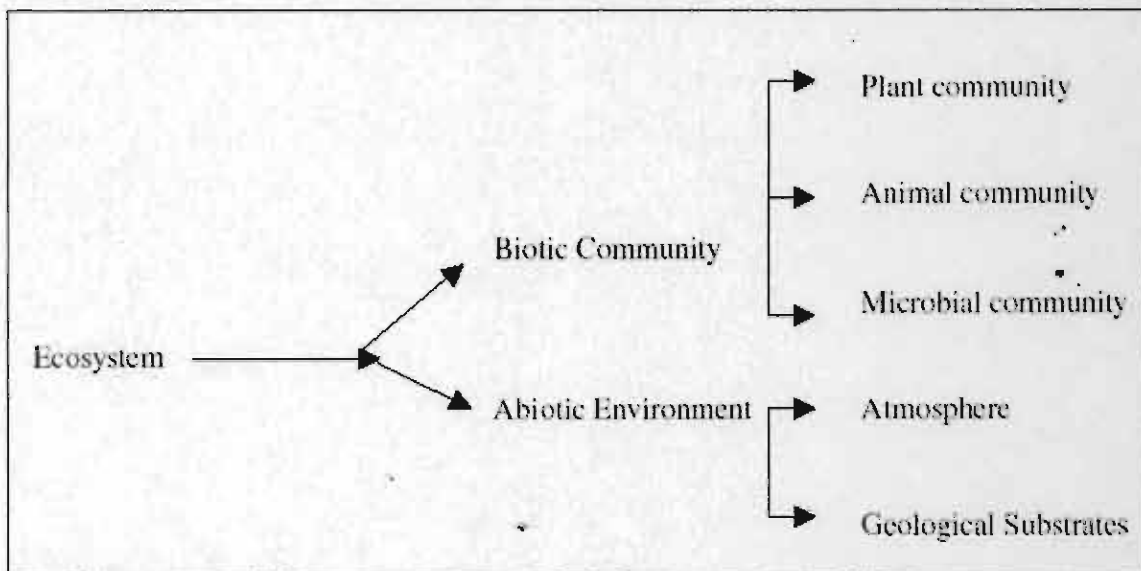
Secondary consumers are carnivores like frogs and some birds that eat insects.

Tertiary consumers are carnivores like snakes and hawks which feed on the secondary consumers: frogs and small birds. Decomposers are microbes present in soil as well as air that decompose the dead organic

matter of plants and animals. These are chiefly bacteria, Actinomycetes and fungi responsible for decay, decompositions and humification making the minerals available again to the producers.

The pattern of interconnectedness among different components of ecosystem:

Every ecosystem comprises of two major components: Abiotic and Biotic. They are intricately inter-twined and dependent on each other, and ensure a delicate but complex ecological linkage leading to nutritional and energy flow through various trophic levels both within and between ecosystems. The pattern of inter-connectedness among different components of ecosystems therefore, lies in its explicit recognition of complexity, interaction, functional processes and change over time. Structurally, different components of ecosystems can be represented as follows:



Functionally, there is a constant exchange of matter and energy between the physical environment and the living community.

Interdependence of different Ecosystems

## Problems faced from regeneration point of view

- Laws of wild life that broke food chain.
- Repeated drought
- Poor natural regeneration.
- High rate of Soil erosion by water.
- Recycling of nutrient
- High biotic pressure.
- Shallow soil especially in tableland area.
- Impervious basalt strata, poor recharging of underground water table.
- Soil compaction due to trampling
- Over grazing
- High run off due to slope & less vegetation.
- Successional degradation of common land, grass land & forest land.
- Problem of weeds, and exotics *Prosopis juliflora*, *Acanthospermum*, *Xanthium strumarium*, *Parthenium* spp.
- Poor condition of grasslands. Presence of grasses of lower serial stages.
- Lack of proper management at community as well as govt. levels
- Poor water regime at upper strata of soil.

Degradation level of vegetation is a high, old tree of *Madhuca indica* were harvested nearly two decades back for making lime & *Sterculia urens* for gum tapping.

## Problems of Grasslands

Private "Grass bids" are common in the area where good quality of fodder grasses occurs. These bids can be used for seed collection for launching the seed sowing activities.

### **Problems of Bids are as follows:**

- Over grazing
- Lack of Nitrogen fixing legumes
- High run offs
- Trampling
- Creation of unproductive blanks sporadically due to over grazing
- Water borne soil erosion
- Food seed production uncontrolled grazing is responsible for poor seed production
- Poor regeneration or no regeneration of grasses
- Retrogressive succession due to high biotic pressure
- Lack of proper input & management practices

Grazing lands and pasturelands are suffering from heavy grazing and trampling. Sparse & flattish tillers of perennial grasses are visible during winters & summers. Flatness of tiller is an indication of heavy trampling Erectness of grass culms is an evidence of non trampling stage, which is generally not seen in mat of pastures.

### **Soil Erosion**

Soil of Shahpura is moderately to severely eroded mainly by Rivers and Nallahs, mostly during the rainy months. Besides, stagnation of water has given rise to the problem of salinity and alkalinity.

### **7.4 Land Use Profile**

There are mainly 8 types of land use / land cover has been identified from the Land Sat Imageries. The classes are as follows:

1. Kharif Crop Area
2. Rabi Crop Area
3. Double/Trippl agriculture land
4. Current Fallow Land
5. Scrub/Degraded Forest land
6. Other Waste land

## 7. Scrub Land

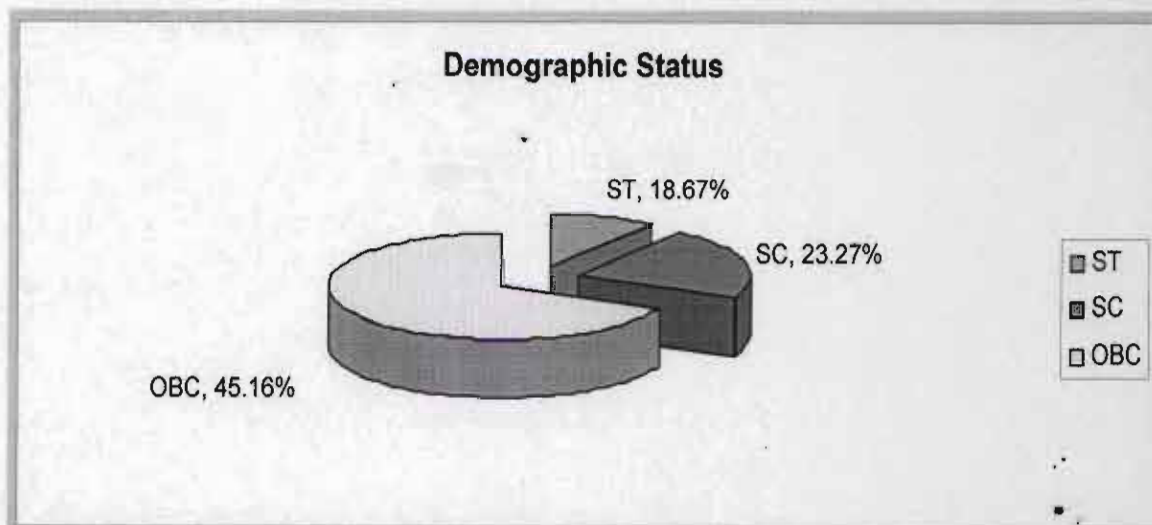
## 8. Water bodies

Total area of proposed watershed is 4656 Ha.

| क. स. | गाँव का नाम  | ग्राम पंचायत | सिंचित     | असिंचित     | अकृषि भूमि |            | Forest     | उपचार के लिए उपलब्ध | योग         | उपचार के लिए उपलब्ध नहीं |
|-------|--------------|--------------|------------|-------------|------------|------------|------------|---------------------|-------------|--------------------------|
|       |              |              |            |             | निजी       | सरकारी     |            |                     |             |                          |
| 1     | आंटोली       | लसाड़िया     | 58         | 117         | 10         | 25         | 0          | 210                 | 346         | 136                      |
| 2     | देवपुरी      | लसाड़िया     | 186        | 496         | 59         | 99         | 0          | 840                 | 840         | 0                        |
| 3     | कोटड़ी मीणान | लसाड़िया     | 52         | 380         | 21         | 49         | 0          | 502                 | 721         | 219                      |
| 4     | लसाड़िया     | लसाड़िया     | 162        | 746         | 132        | 71         | 320        | 1431                | 1431        | 0                        |
| 5     | बछ खेड़ा     | बछ खेड़ा     | 325        | 1089        | 102        | 157        | 0          | 1673                | 1673        | 0                        |
| योग   |              |              | <b>783</b> | <b>2828</b> | <b>324</b> | <b>401</b> | <b>320</b> | <b>4656</b>         | <b>5011</b> | <b>355</b>               |

## 7.5 Demographic Profile

| S.No  | Block Name | Panchayat Name | Village Name | SC         | ST         | OBC        | Minority  | Others     | Total       |
|-------|------------|----------------|--------------|------------|------------|------------|-----------|------------|-------------|
| 1     | शाहपुरा    | लसाड़िया       | आंटोली       | 29         | 33         | 36         | 8         | 15         | 121         |
| 2     | शाहपुरा    | लसाड़िया       | देवपुरी      | 32         | 51         | 91         | 15        | 30         | 219         |
| 3     | शाहपुरा    | लसाड़िया       | कोटड़ी मीणान | 18         | 115        | 15         | 2         | 5          | 155         |
| 4     | शाहपुरा    | लसाड़िया       | लसाड़िया     | 85         | 29         | 233        | 25        | 45         | 417         |
| 5     | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 190        | 56         | 312        | 2         | 49         | 609         |
| Total |            |                |              | <b>354</b> | <b>284</b> | <b>687</b> | <b>52</b> | <b>144</b> | <b>1521</b> |



(Source House Hold Survey)

### Population:

The population under the project area is inhabited by different types of communities like Gujjar, Reger, Meena, Bheel, Khatik, Jat, Rajputs, Vaishnav, Brahmins, Naik, Nath etc.

| S. No        | Panchayat Name | Village Name | अशिक्षित    |             |             | प्राथमिक शिक्षा |             |             | उच्च प्राथमिक शिक्षा |            |             | हायर शिक्षा |           |            | Grand Total |
|--------------|----------------|--------------|-------------|-------------|-------------|-----------------|-------------|-------------|----------------------|------------|-------------|-------------|-----------|------------|-------------|
|              |                |              | MAL E       | FEM ALE     | tot. lli    | MAL E           | FEM ALE     | T. P        | MALE                 | FEMALE     | T. UP       | MALE        | FEM ALE   | T. H       |             |
| 1            | लसाड़िया       | आंटोली       | 120         | 278         | 398         | 104             | 63          | 167         | 116                  | 52         | 168         | 4           | 0         | 4          | 737         |
| 2            | लसाड़िया       | देवपुरी      | 193         | 448         | 641         | 283             | 172         | 455         | 139                  | 62         | 201         | 20          | 4         | 24         | 1321        |
| 3            | लसाड़िया       | कोटड़ी मीणान | 121         | 280         | 401         | 158             | 96          | 254         | 131                  | 58         | 189         | 33          | 7         | 40         | 884         |
| 4            | लसाड़िया       | लसाड़िया     | 317         | 738         | 1055        | 416             | 254         | 670         | 211                  | 94         | 305         | 152         | 33        | 185        | 2215        |
| 5            | बछ खेड़ा       | बछ खेड़ा     | 350         | 815         | 1165        | 717             | 438         | 1155        | 594                  | 266        | 860         | 129         | 28        | 157        | 3337        |
| <b>Total</b> |                |              | <b>1101</b> | <b>2559</b> | <b>3660</b> | <b>1678</b>     | <b>1023</b> | <b>2701</b> | <b>1191</b>          | <b>532</b> | <b>1723</b> | <b>338</b>  | <b>72</b> | <b>410</b> | <b>8494</b> |

**Literacy:** From the above table describing the literacy status in the project area shows that the ratio is high. Male student ratio is higher than girl student ratio.

**Connectivity:** Most of the villages under the project area have metal roads except for Devpuri village which is very interior with no proper connectivity.

## 7.6 Livelihood Profile

- Poverty is multi-dimensional; therefore poverty reduction efforts have to be multi-dimensional targets. The solutions have to straddle different disciplines and encompass economic, social, political and institutional factors. Several attempts were made in the past and continue to be made even now in prioritizing the areas and develop suitable strategies. Deteriorating natural resource base is affecting the livelihoods of the rural communities especially of those belonging to the poor and marginalized sections that are mostly dependent on the commons and other fallow lands for biomass and water.

Families facing chronic food insecurity are caught in a hunger trap. The inadequacy and uncertainty of their food supply make it difficult for them to take advantage of development opportunities.

**Rajasthan is predominantly an agricultural state with a little more than 77 percent of the population living in the rural areas.** Agriculture is the single largest sector in the economy, employing about 69 percent of labour force. Total cultivable area in the state is 257Lakh hectares (1998-99). The estimated food grain production is 172.96<sup>1</sup> lakh tonnes. Rajasthan grows both *Kharif* and *Rabi* crops but the former is more important than the latter. The principal crops cultivated in the state are rice, barely, *jowar*, millet, maize, gram, wheat, oilseeds, pulses, cotton and tobacco. Other crops are red chilies, mustard, cumin seeds, methi and hing.

With the degrading forest cover and increasing population the water resources are declining sharply in the state. Depleting ground water resources is affecting the agriculture, which in turn is having adverse impact on rural population. This decline in availability will also have negative impact on drinking water situation resulting in water borne diseases, and lower level of cleanliness amongst the poor. Cereal production has long dominated the farming scene in the state of Rajasthan -

particularly in the rain fed, drought prone areas. As farmers of these areas operate under highly uncertain situation food security is the uppermost concern.

Availability of water has strongly conditioned the nature of agriculture and farming practices in various parts of the state. Irrigated areas will have intensive cropping systems involving two to three crop cycles. Irrigation also favors high input based cash crops such as cotton, oilseeds, coriander etc. However single crop cycles are dominant in Rajasthan and a second crop is entirely dependent on the sub soil moisture or water yields in wells and tanks. The farmers in the rain fed areas tend to remain neglected from the provisions of agricultural services.

Kharif is the most important growing season in the project area of Jahajpur. Local cereals and pulses are the principal crops during Kharif together with oilseeds. Major cereals grown during Kharif in different parts of the state include *bajra*, *maize* and *jowar* and a wide variety of coarse grains. Crop production during Rabi remains mainly limited to such regions where irrigation facilities are well developed. Wheat is the most important Rabi cereal crop. The other produce in the Rabi season features wheat, gram, mustard, rapeseed and cotton.

The state of Rajasthan is nearly self sufficient in its food grain requirements but due to very harsh climatic conditions moderate to very high transitory food insecurity can be experienced in one part of the State or other in almost all the years.

Rajasthan evokes a picture of parched and thirsty lands faced with low and often erratic rainfall. This reality brings enormous hardship to the people. The worst drought years in recent times were 1985- 87 during which rainfall failed for three successive years. Along with crop loss large scale loss of livestock and deprivation occurred in rural areas during this period.

In Rajasthan the Agricultural Sector is a predominant source of employment. The industrial backwardness is indicated through the share of labour force engaged in the sector. The share of agricultural labour has been increasing. The activities allied to agriculture and non-household manufacturing not being able to afford full time employment to people is pushing workers into agriculture and other types of labour, - a sector that face crisis. Agriculture Labour in areas where it is primarily rain fed or in

semi arid and arid areas is very unstable and unsustainable especially for the labour and the small and marginal farmers.

In Shahpura dependence on livestock is probably as great as dependence on crops. In times of drought when it is not possible to produce food grains a household is supported by continued milk and other animal products. Sheep and goat rearing are important in livelihood strategies of small and marginal landowners as well as the landless. They are a critical element in livelihood for the pastoral transmigrates.

During drought years cows and buffaloes are first to succumb to scarcities. Poor natural grasses, low agricultural residue and scarce water renders cattle weak and debilitated thus affecting their future generations. The loss of fodder crop also affects the livestock population. The incidence of livestock loss thus becomes significant when scarcity due to natural disaster is taken into account.

Migration to cities both within the state and outside is very widespread in the state during the period of crisis and under employment. Migration to cities and towns is usually to employment sectors in mining and quarrying and related work, in construction and in some small trading and manufacturing.

Looking into the Shahpura IWMP-IV project area, a few of the villages have canal system through which the farmers opt for Rabi cultivation, but the rest solely depends on Kharif cultivation for their livelihood. Further, it is observed that the farmers are quite ignorant on water use in relation to irrigation. Flood irrigation is basically practiced for which there is extensive exploitation of ground water as well as surface water.

### Livelihood status in Shahpura (SHAHPURA - IWMP IV)

| S.No         | Block Name | Panchayat Name | Village Name | SC         | ST         | OBC        | Minority  | Others     | Total       |
|--------------|------------|----------------|--------------|------------|------------|------------|-----------|------------|-------------|
| 1            | शाहपुरा    | लसाड़िया       | आंटोली       | 29         | 33         | 36         | 8         | 15         | 121         |
| 2            | शाहपुरा    | लसाड़िया       | देवपुरी      | 32         | 51         | 91         | 15        | 30         | 219         |
| 3            | शाहपुरा    | लसाड़िया       | कोटड़ी मीणान | 18         | 115        | 15         | 2         | 5          | 155         |
| 4            | शाहपुरा    | लसाड़िया       | लसाड़िया     | 85         | 29         | 233        | 25        | 45         | 417         |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 190        | 56         | 312        | 2         | 49         | 609         |
| <b>Total</b> |            |                |              | <b>354</b> | <b>284</b> | <b>687</b> | <b>52</b> | <b>144</b> | <b>1521</b> |

### Livelihood enhancement plan

| Panchayat Name | Village Name | SMALL FARMERS |            |            |           |           |            | MARGINAL FARMERS |            |            |           |           |            | BIG FARMERS |          |           |          |          |           | TOT AL      |
|----------------|--------------|---------------|------------|------------|-----------|-----------|------------|------------------|------------|------------|-----------|-----------|------------|-------------|----------|-----------|----------|----------|-----------|-------------|
|                |              | SC            | ST         | OBC        | Minority  | Others    | Total      | SC               | ST         | OBC        | Minority  | Others    | Total      | SC          | ST       | OBC       | Minority | Others   | Total     |             |
| लसाड़िया       | आंटोली       | 12            | 14         | 15         | 3         | 7         | 50         | 15               | 16         | 18         | 5         | 8         | 62         | 0           | 0        | 1         | 0        | 0        | 1         | 113         |
| लसाड़िया       | देवपुरी      | 13            | 21         | 37         | 7         | 13        | 90         | 17               | 26         | 44         | 8         | 15        | 110        | 0           | 0        | 2         | 0        | 1        | 3         | 203         |
| लसाड़िया       | कोटड़ी मीणान | 8             | 45         | 6          | 1         | 2         | 62         | 9                | 58         | 7          | 1         | 3         | 78         | 0           | 2        | 1         | 0        | 0        | 3         | 143         |
| लसाड़िया       | लसाड़िया     | 34            | 12         | 93         | 11        | 19        | 169        | 43               | 15         | 114        | 13        | 23        | 208        | 0           | 0        | 4         | 0        | 1        | 5         | 382         |
| बछ खेड़ा       | बछ खेड़ा     | 3             | 24         | 130        | 1         | 21        | 252        | 101              | 29         | 160        | 2         | 26        | 311        | 1           | 0        | 4         | 0        | 1        | 6         | 569         |
| <b>Total</b>   |              | <b>70</b>     | <b>116</b> | <b>281</b> | <b>23</b> | <b>62</b> | <b>623</b> | <b>185</b>       | <b>144</b> | <b>343</b> | <b>29</b> | <b>75</b> | <b>769</b> | <b>1</b>    | <b>2</b> | <b>12</b> | <b>0</b> | <b>3</b> | <b>18</b> | <b>1410</b> |

## **7. Elements of Work**

### **7.1 Ecologically sound regeneration**

While Nature functions as a fairly independent system and could perhaps rejuvenate and reach an equally good state in the long run, the direct and immediate impact of the degradation of natural systems would decimate several species and severely affect the poor who depend on natural surroundings for their survival. Moreover the scale and extent of degradation of the natural surroundings and the inadequate attention that such fundamental concerns receive in development planning brings us face-to-face with a situation where concerted action is necessary to halt and reverse such trends. We also observe that ecological degradation is mostly caused by social and economic factors necessitating an interdisciplinary action in safeguarding Nature. A few of the phases of ecological restoration inculcates in ii) assisting village communities in protecting their forests and grazing lands to enable natural regeneration of the existing rootstock and ii) assessing the stock and flow of biomass, biodiversity and water across natural and production systems so as to place the relevance of the efforts on regeneration and bring to the table an informed discussion around the permissible levels of extraction so as to draw strategies for conservation action.

### **7.2 Institutional mechanism**

Good governance has been seen as a panacea to make development efforts meaningful for the citizens - that which enables citizens and communities to fulfill their lives and destinies, enable people to create sustainable livelihoods for themselves, facilitate the fulfillment of basic needs, and promote an attitude of self-reliance. Institutional process involve in strengthening, nurturing and reviving of village institutions and working towards enabling them to gain a sound legal foothold on the natural resources, where it is uncertain or disputed, and where a legal provision exists.

### 7.3 Building dialogue and discussion

We know that any progress will require a complex of social, political and economic changes. The challenge ahead is to marry scientific and technological innovation with a much greater capacity for institutional innovation. Such innovation and change relies to a large extent on the effectiveness with which a diversity of stakeholders with different interests and from different sectors and scales can interact.

In such a context, there is an increasing recognition that governing a landscape is no longer solely the domain of government. Evidences show that due to the complexities of socio-economic and political environments government cannot govern forest and nature on its own. The rapid processes of decentralization and devolution that is taking place around the world indicates the need to shift towards collaborative governance in which various actors (e.g. governments, local communities, local entrepreneurs and civil society) are expected to co-manage resources such as forest and nature.

Although multi-stakeholder processes (MSPs) are based on recognising the importance of achieving equity and accountability between stakeholders, win-win solutions are not always possible. The complexity of issues and stakes, across different levels and timescales, may lead to a negotiated compromise in which win-lose or even lose-lose solutions have to be accepted. In such situations it is critical to understand the role of the state as (at least in theory) the protector of the common good for the long-term. Policy makers often find themselves caught between their public service duties, short-term electoral interests and the splintered interests of different stakeholder groups.

Setting up and facilitating long term processes that bring different groups into constructive engagements, dialogue and decision making towards good governance of the landscape. Processes that aim to involve stakeholders in

improving situations that affect them; forms of social interaction that enable different individuals and groups, who are affected by an issue, to enter into dialogue, negotiation, learning, decision making and collective action; about getting government staff, policy makers, community representatives, scientists, business people and NGO representatives to think and work together.

## **8. Components of Work**

### **8.1 Capacity Building and Community Mobilization**

Training and exposure enhances knowledge, skill, attitude and human relationships. Though, a number of measures had been taken in this regard, experiences show that the training programmes should aim at (i) strengthening those processes, skills and knowledge that help in the delivery of various watershed development activities; (ii) improving the quality of watershed management and its governance iii) providing more number of relevant trainings involving more community participation particularly rural women and; (iv) strengthening the various habitation level institutions by promoting traditional practices of good governance mechanism of Natural Resources.

### **8.2 Work on landscape component**

#### **8.2.1 Work on arable land**

Arable land constitutes 3611 ha of the total project area. The area has minimum slope and is less undulated. The community primarily depends on agriculture and animal husbandry for sustaining their livelihoods. Discussions with community and intensive survey revealed that these areas are prone to soil erosion due to runoff, wrong agronomic practices and poor vegetation. As soil depth is moderately low and regular erosion of valuable top soil has its impact on not only decreasing the productivity levels but also raising the question of sustainability of the most critical production system.

Presently there is least physical measures to retain soil moisture for longer periods which leads to increasing exploitation of groundwater for irrigation and for poor farmers frequent crop failures due to lack of water availability at different phases of crop growth.

Work to restore the functionality of this component of landscape will involve not only intensive physical treatment but also regular discussions and awareness building of the communities to adopt better agronomic practices like rotational cropping, use of green/organic manure, agro-forestry etc., Focus will be to increase the productivity of each land unit per drop of water which not only help in raising farm incomes both in terms of food grains and fodder but also leads to sustainable and judicious use of resources.

Physical treatments planned constitute of measures to harvest water which provide soil moisture for longer periods. The physical treatment measures will also aim to minimize soil erosion under safe levels. Activities planned to address these includes farm ponds, farm bunds and Masonry check dam keeping in view the parameters like soil depth, slope, vegetation, erodibility and rainfall.

### **8.2.2 Work on non arable land**

These are the most degraded portions in the landscape with very low productivity due to continuous process of soil erosion which has in many pockets completely removed the soil cover. Lack of any physical treatment measures, very low vegetative cover and prolonged neglect to effectively manage them, has led to non functionality of this landscape component to provide any substantial goods and services which have played a critical role in sustaining farming and livestock systems in semi arid conditions. These landscape components also play a critical role in nutrient and water transfer and have a organic link with private lands. The project will intensively focus

on these common and private wastelands to build spaces for poor who mainly depend on these marginal lands to meet their resource needs. Restoration of these lands will also aim to strengthen the intricate link these have with the low lying farm lands and strengthen ecological security.

The physical activities planned will address two main components of regeneration and soil and water conservation. However crafting and strengthening strong institutions which can establish strong governance on these lands will be the key to sustainability of these physical measures.

Regeneration Activities:

- On village grazing lands: the project plans to regenerate 125 ha of Panchayat grazing lands with appropriate mix of trees and grasses.
- On revenue lands: The project aims improve the productive capacity of the 6 ha of revenue wastelands which have been subject to acute degradation.

Efforts would be made to increase the soil moisture regime by appropriate soil and moisture conservation activities such as:

- Contour Trenching
- Masonry Check Dam

### **8.2.3 Drainage line treatment**

Stream orders of M, M-1 - 2- 3- 4 & M-5 are present in the project area. Firstly it is observed that due to minimal slope sheath erosion is very prominent leading to extensive siltation in the drains. Secondly the drainage density combined with geological understanding of the area shows a high recharge potential in the area.

The project aims in this context to further enhance the recharge with combination of various physical measures to check water flow and harvest water. The project also aims to enhance the availability of surface and ground water through the construction of various water harvesting and recharge structures such as:

- Masonry Check Dam
- M.M.S. (Minor Masonry Structure)

The structures primarily aim to check runoff, soil erosion and enhance recharge. These structures also have been aimed to serve as structures for livestock drinking.

### **8.3 Livelihood promotion activities**

Poverty alleviation programme is not an exclusive entity but will necessarily include dynamic nature and integration of range of context specific interventions. Poverty itself is an abstract phenomenon and requires sensitization of beneficiaries, implementers and the policy workers. Collective associations will be basis of intervention strategy. Diversification of livelihood alternatives with ecological and social considerations will be the guiding principle. Skill enhancement will open new opportunities to strengthen the employment options.

Poverty alleviation programmed should closely knit the concurrent context specific realities and then draw a household specific dynamic plan which can be updated in the subsequent stages, since the intervention requirement will change automatically. The major challenge is poverty among working people. The poor needs a number of (new) employment opportunities to come out of the poverty.

## Basic Information formats for DPR

|       |  | Identification                             |
|-------|--|--|
| S.No. | Name of Project                        | - IWMP-IV SHAHPURA                         |
| (a)   | Name of Catchment                      | - Mansi & Khari River Basin Catchment Area |
| (b)   | Name of watershed area                 | - IWMP-IV SHAHPURA                         |
| (c)   | Project Area                           | - 4656 Ha.                                 |
| (d)   | Cost of Project                        | - 558.72 Laks                              |
| (e)   | cost/hectare                           | - 12000/- per ha                           |
| (f)   | Year of Sanction                       | - 2009-2010                                |
| (g)   | Watershed Code                         | - 071003/01, 071003/15, & 071003/16        |
| (h)   | No. of Gram Panchayats in project area | - Lasariya, Bachh Khera                    |
| (i)   | No. of villages in project area        | - 5 No                                     |
| (j)   | Type of Project                        | - Other                                    |
| (k)   | Elevation (metres)                     | - 350 M                                    |
| (l)   | Major streams                          | - 5 km length                              |
| (m)   | Slope range (%)                        | - 1-2%                                     |

| S. No.       | Name of Gram Panchayat | Name of Villages Covered | Census code of villages | Total Area in (Ha) | Area in W/S (Ha) |
|--------------|------------------------|--------------------------|-------------------------|--------------------|------------------|
| 1            | Lasariya               | 1. Antoli                | 824000302818400         | 346                | 210              |
|              |                        | 2. Deopuri               | 824000302814800         | 840                | 840              |
|              |                        | 3. Kotri Meena           | 824000302818600         | 721                | 502              |
|              |                        | 4. Lasariya              | 824000302818700         | 1431               | 1431             |
| 2            | Bachh Khera            | 1. Bachh Khera           | 824000302814900         | 1673               | 1673             |
| <b>TOTAL</b> |                        |                          |                         | <b>5011</b>        | <b>4656</b>      |

### Climatic and Hydrological information

#### Name of Agroclimatic Zone

1

#### Average Annual Rainfall(mm)

|    | Year | Average Annual Rainfall(mm) |  |  |  |
|----|------|-----------------------------|--|--|--|
| 1  | 2000 | 358.00                      |  |  |  |
| 2  | 2001 | 618.00                      |  |  |  |
| 3  | 2002 | 283.00                      |  |  |  |
| 4  | 2003 | 575.00                      |  |  |  |
| 5  | 2004 | 907.00                      |  |  |  |
| 6  | 2005 | 420.00                      |  |  |  |
| 7  | 2006 | 621.50                      |  |  |  |
| 8  | 2007 | 560.50                      |  |  |  |
| 9  | 2008 | 532.00                      |  |  |  |
| 10 | 2009 | 387.00                      |  |  |  |
| 11 | 2010 | 636.00                      |  |  |  |

2

#### Avg Monthly rainfall (last ten years)

| S.No | Year         | Month         |                |                |               | Total          | Average        |
|------|--------------|---------------|----------------|----------------|---------------|----------------|----------------|
|      |              | June          | July           | August         | September     |                |                |
| 1    | 2000         | 11.20         | 278.20         | 131.20         | 3.20          | 423.80         | 358.00         |
| 2    | 2001         | 57.20         | 412.20         | 249.00         | 16.00         | 734.40         | 618.00         |
| 3    | 2002         | 45.00         | 6.20           | 174.70         | 13.20         | 239.10         | 283.00         |
| 4    | 2003         | 129.40        | 173.00         | 135.60         | 30.00         | 468.00         | 575.00         |
| 5    | 2004         | 55.20         | 271.60         | 599.20         | 52.40         | 978.40         | 907.00         |
| 6    | 2005         | 38.00         | 125.80         | 37.60          | 179.80        | 381.20         | 420.00         |
| 7    | 2006         | 167.60        | 290.20         | 479.40         | 95.60         | 1032.80        | 621.50         |
| 8    | 2007         | 24.40         | 272.20         | 91.20          | 15.60         | 403.40         | 560.50         |
| 9    | 2008         | 202.40        | 118.60         | 138.80         | 184.00        | 643.80         | 532.00         |
| 10   | 2009         | 20.20         | 233.00         | 53.20          | 0.40          | 306.80         | 387.00         |
| 11   | 2010         | 102.40        | 104.00         | 0.00           | 0.00          | 206.40         | 636.00         |
|      | <b>Total</b> | <b>853.00</b> | <b>2285.00</b> | <b>2089.90</b> | <b>590.20</b> | <b>5818.10</b> | <b>5898.00</b> |

3

**Temperature (Degree C)**

|   | Season  | Max           | Min      |
|---|---|---------------|----------|
|   | i) Summer Season                                    | 48            | 31       |
|   | ii) Winter Season                                   | 23            | 5        |
|   | iii) Rainy Season                                   | 38            | 17       |
| 4 | Runoff  |               |          |
|   | i) Peak Rate (cum/hr)                               |               |          |
|   | ii) Total run off volume of rainy season (ha.m.)    |               |          |
|   | iii) Time of return of maximum flood                | 5 years       | 10 years |
|   | iv) Periodicity of Drought in village area          | 468.8         | 416.5    |
| 5 | Sediment Production Rate (SPR) (ha-m/100sq km/year) | 22 Q/ha /year |          |

6

**Slope of Watershed**

| S.No. | Slope percentage | Area in hectares | Average soil loss (Tonnes/ha/ year) |
|-------|------------------|------------------|-------------------------------------|
| 1     | 0 to 3%          | 4656 Ha          | 2.20                                |
| 2     | 3 to 8%          | 0                |                                     |
| 3     | 8 to 25%         | 0                |                                     |
| 4     | > 25%            | 0                |                                     |

7

**Erosion status in project Area**

| S.No. | Cause                    | Type of erosion  | Area affected (ha) | Run off (mm/ year) |  |  |
|-------|--------------------------|------------------|--------------------|--------------------|--|--|
|       |                          |                  |                    |                    |  |  |
|       | Water erosion            |                  |                    |                    |  |  |
|       |                          | a Sheet          | 3366               | 94                 |  |  |
|       |                          | b Rill           | 828                |                    |  |  |
|       |                          | c Gully          | 462                |                    |  |  |
|       |                          | <b>Sub-Total</b> | <b>4656</b>        |                    |  |  |
|       | Wind erosion             |                  | 0                  | NA                 |  |  |
|       | <b>Total for project</b> |                  | <b>4656</b>        |                    |  |  |

A.

**Soil Profile**

| S.No. | Major Soil Classes | Area in hectares |
|-------|--------------------|------------------|
| 1     | Fine Loam          | 737              |
| 2     | Silt Loam          | 2890             |
| 3     | Degraded           | 1029             |
|       | <b>Total</b>       | <b>4656</b>      |

B.

**Soil Depth :**

|   | Depth (Cms.)          | Area in hectares |
|---|-----------------------|------------------|
| 1 | 0.00 to 7.50          | 402 Ha           |
| 2 | 7.50 to 45.00         | 610 Ha           |
| 3 | > 45.00               | 3644 Ha          |
| E | Soil fertility Status | Kg/ha            |
|   | N                     | 127              |
|   | P                     | 17.9             |
|   | K                     | 182              |
|   | Micronutrients        | PPM              |

### Ownership wise of land use in Watershed

| S. No | Land use         | Total area in Ha. |             |            |             |
|-------|------------------|-------------------|-------------|------------|-------------|
|       |                  | Govt.             | Pvt.        | Community  | Total       |
| 1     | Agriculture land | 0                 | 3611        | 0          | 3611        |
| 2     | Forest land      | 320               | 0           | 0          | 320         |
| 3     | Waste land       | 168               | 0           | 0          | 168         |
| 4     | Pastures         | 32                | 250         | 275        | 557         |
| 5     | Others           | 0                 | 0           | 0          | 0           |
|       | <b>Total</b>     | <b>520</b>        | <b>3861</b> | <b>275</b> | <b>4656</b> |

### Water Resources

#### Total available runoff(cum)

##### (a.) Details of already stored runoff(Surface Water structures)

| S. No. | Name                      | No.       | Storage Capacity CUM. | Area Irrigated (ha) |
|--------|---------------------------|-----------|-----------------------|---------------------|
| (i)    | Major Irrigation Project  | 0         | 0                     | 0                   |
| (ii)   | Medium Irrigation Project | 2         | 117450                | 20                  |
| (iii)  | Form Ponds/Tanks          | 13        | 178394                | 0                   |
| (iv)   | Anicuts                   | 1         | 2000                  | 0                   |
|        | <b>Total</b>              | <b>16</b> | <b>297844</b>         | <b>20</b>           |

#### Availability of drinking water

| S.No | Gram panchayat | Village        | No. of months in a year | Source of drinking water    | Quality      |
|------|----------------|----------------|-------------------------|-----------------------------|--------------|
| 1    | Lasariya       | 1. Antoli      | 10                      | Well, Hand Pump & Tube well | Saline Water |
|      |                | 2. Deopuri     | 9                       | Well, Hand Pump & Tube well | Saline Water |
|      |                | 3. Kotri Meena | 9                       | Well, Hand Pump & Tube well | Saline Water |
|      |                | 4. Lasariya    | 9                       | Well, Hand Pump & Tube well | Saline Water |
| 2    | Bachh Khera    | 1. Bachh Khera | 9                       | Well, Hand Pump & Tube well | Saline Water |

### Cattle and Animal Population

| S.No. | Description of animals | Population in No | Yield (milk in lit.) |
|-------|------------------------|------------------|----------------------|
| 1     | Cows                   |                  |                      |
| A     | Indegeneous            | 984              | 4920                 |
| B     | Hybrid                 | 259              | 3108                 |
| C     | Ox                     | 182              | 0                    |
| 2     | Buffaloes              | 437              | 2622                 |
| 3     | Bull                   | 27               | 0                    |
| 4     | Sheep                  | 297              | 0                    |
| 5     | Goat                   | 686              | 343                  |
| 6     | Others                 | 0                | 0                    |
|       | <b>Total</b>           | <b>2872</b>      | <b>10993</b>         |

Availability of fodder (Quintals)

71240

Deficiency of fodder (Quintals)

### Abstract of cropped Area (ha)

| S.No         | Gram panchayat | Village        | Area under Single crop | Area under Double crop |
|--------------|----------------|----------------|------------------------|------------------------|
| 1            | Lasariya       | 1. Antoli      | 117                    | 58                     |
|              |                | 2. Deopuri     | 496                    | 186                    |
|              |                | 3. Kotri Meena | 380                    | 52                     |
|              |                | 4. Lasariya    | 746                    | 162                    |
| 2            | Bachh Khera    | 1. Bachh Khera | 1089                   | 325                    |
| <b>TOTAL</b> |                |                | <b>2828</b>            | <b>783</b>             |

## Socio-Economic Parameters

### 1 Household and Economic Activity

| S.No. | Description of household | Total No. household | Population in No. |     | SC         |         | ST         |         | OTHERS     |         | TOTAL      |         |
|-------|--------------------------|---------------------|-------------------|-----|------------|---------|------------|---------|------------|---------|------------|---------|
|       |                          |                     | Total             | 4   | No.of.h.h. | Members | No.of.h.h. | Members | No.of.h.h. | Members | No.of.h.h. | Members |
| 1     | 2                        | 3                   | 4                 | 5a  | 5b         | 6a      | 6b         | 7a      | 7b         | 8a      | 8b         |         |
| (i)   | Cultivators              | 1410                | 8494              | 328 | 1976       | 262     | 1578       | 820     | 4940       | 1410    | 8494       |         |
| (ii)  | Dairying                 | 1198                | 7217              | 279 | 1681       | 223     | 1343       | 696     | 4193       | 1198    | 7217       |         |
| (iii) | Landless Agri. Laboures  | 111                 | 669               | 26  | 157        | 22      | 133        | 63      | 380        | 111     | 669        |         |
| (iv)  | BPL                      | 466                 | 2807              | 108 | 651        | 87      | 524        | 271     | 1633       | 466     | 2807       |         |

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 than 50%

**Details of infrastructure in the project areas**

| Parameters |   | Status    |                 |           |           |
|------------|---|-----------|-----------------|-----------|-----------|
| (i)        | No. of villages connected to the main road by an all- weather road            | 4 No      |                 |           |           |
| (ii)       | No. of villages provided with electricity                                     | 5 No      |                 |           |           |
| (iii)      | No. of household without access to drinking water                             |           |                 |           |           |
|            | No. of educational institutions:  |           |                 |           |           |
| (iv)       | Primary(p)/ Secondary (S)/ Higher Secondary(HS)<br>Vocational institution(VI) | (P)<br>No | 7<br>(S)<br>2No | (HS)<br>2 | (VI)<br>0 |
| (v)        | No. of villages with access to Primary Health center                          | 2 No      |                 |           |           |
| (vi)       | No. of villages with access to Veterinary Dispensary                          | 2 No      |                 |           |           |
| (vii)      | No. of villages with access to Post Office                                    | 2 No      |                 |           |           |
| (viii)     | No. of villages with access to Banks  | 1         |                 |           |           |
| (ix)       | No. of villages with access to Markets / mandis                               | 2         |                 |           |           |
| (x)        | No. of villages with access to Agro-industries                                | 0         |                 |           |           |
| (xi)       | Total quantity of surpls milk   | 4000      |                 |           |           |
|            | No. of millk collection centers   | 2         |                 |           |           |
| (xii)      | (e.g union (u)/Society (S)/ Private agency(PA)/ others(O).                    | (U)       | (S) 2No         | (PA)      | (O)       |
| (xiii)     | No. of villages with access to Anganwadi center                               | 2 No      |                 |           |           |
| (xiv)      | Any other facilities with no. of village (please specify                      | 0         |                 |           |           |
| (xv)       | Nearest KVK   | Shahpura  |                 |           |           |
| (xvi)      | Coperative society  | 2 No      |                 |           |           |
| (xvii)     | NGOS  | 0         |                 |           |           |
| (xviii)    | Credit institutions   | 0         |                 |           |           |
|            | (i)Bank   | 1 No      |                 |           |           |
| (xix)      | Agro Service center's   | 0         |                 |           |           |

IWMP - IV W/S 3/1 , 15, 16

P.S. - Shahpura DISTT. BHILWARA

| S.No         | Block Name | Panchayat Name | Village Name | SC         | ST         | OBC        | Minority  | Others     | Total       |
|--------------|------------|----------------|--------------|------------|------------|------------|-----------|------------|-------------|
| 1            | शाहपुरा    | लसाड़िया       | आंटोली       | 29         | 33         | 36         | 8         | 15         | 121         |
| 2            | शाहपुरा    | लसाड़िया       | देवपुरी      | 32         | 51         | 91         | 15        | 30         | 219         |
| 3            | शाहपुरा    | लसाड़िया       | कोटडी मीणान  | 18         | 115        | 15         | 2         | 5          | 155         |
| 4            | शाहपुरा    | लसाड़िया       | लसाड़िया     | 85         | 29         | 233        | 25        | 45         | 417         |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 190        | 56         | 312        | 2         | 49         | 609         |
| <b>Total</b> |            |                |              | <b>354</b> | <b>284</b> | <b>687</b> | <b>52</b> | <b>144</b> | <b>1521</b> |

**KAIWMP - IV W/S 3/1, 15, 16**  
**P.S. - Shahpura DISTT. BHILWARA**  
**BPL LIST**

| S.No         | Block Name | Panchayat Name | Village Name | SC         | ST        | OBC        | Minority  | Others    | Total      |
|--------------|------------|----------------|--------------|------------|-----------|------------|-----------|-----------|------------|
| 1            | शाहपुरा    | लसाडिया        | आटोली        | 9          | 10        | 11         | 3         | 5         | 38         |
| 2            | शाहपुरा    | लसाडिया        | देवपुरी      | 10         | 16        | 28         | 5         | 9         | 68         |
| 3            | शाहपुरा    | लसाडिया        | कोटडी मीणान  | 6          | 35        | 5          | 1         | 2         | 47         |
| 4            | शाहपुरा    | लसाडिया        | लसाडिया      | 26         | 9         | 70         | 8         | 14        | 127        |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 57         | 17        | 94         | 1         | 15        | 184        |
| <b>Total</b> |            |                |              | <b>108</b> | <b>87</b> | <b>208</b> | <b>18</b> | <b>45</b> | <b>458</b> |

**IWMP - IV W/S 3/1 ,15, 16**  
**P.S. - Shahpura DISTT. BHILWARA**

भूमिधारक परिवार

| S.No         | Block Name | Panchayat Name | Village Name | SC         | ST         | OBC        | Minority  | Others     | Total       |
|--------------|------------|----------------|--------------|------------|------------|------------|-----------|------------|-------------|
| 1            | शाहपुरा    | लसाडिया        | आंटोली       | 27         | 30         | 33         | 8         | 15         | 113         |
| 2            | शाहपुरा    | लसाडिया        | देवपुरी      | 29         | 47         | 83         | 15        | 29         | 203         |
| 3            | शाहपुरा    | लसाडिया        | कोटड़ी मीणान | 17         | 105        | 14         | 2         | 5          | 143         |
| 4            | शाहपुरा    | लसाडिया        | लसाडिया      | 77         | 27         | 211        | 24        | 43         | 382         |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 178        | 53         | 292        | 0         | 46         | 569         |
| <b>TOTAL</b> |            |                |              | <b>328</b> | <b>262</b> | <b>633</b> | <b>49</b> | <b>138</b> | <b>1410</b> |

IWMP - IV W/S 3/1 ,15, 16

P.S. - Shahpura DISTT. BHILWARA

भूमिहीन परिवार

| S.No         | Block Name | Panchayat Name | Village Name | SC        | ST        | OBC       | Minority | Others   | Total      |
|--------------|------------|----------------|--------------|-----------|-----------|-----------|----------|----------|------------|
| 1            | शाहपुरा    | लसाड़िया       | आंटोली       | 2         | 3         | 3         | 0        | 0        | 8          |
| 2            | शाहपुरा    | लसाड़िया       | देवपुरी      | 3         | 4         | 8         | 0        | 1        | 16         |
| 3            | शाहपुरा    | लसाड़िया       | कोटड़ी मीणान | 1         | 10        | 1         | 0        | 0        | 12         |
| 4            | शाहपुरा    | लसाड़िया       | लसाड़िया     | 8         | 2         | 22        | 1        | 2        | 35         |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 12        | 3         | 20        | 2        | 3        | 40         |
| <b>Total</b> |            |                |              | <b>26</b> | <b>22</b> | <b>54</b> | <b>3</b> | <b>6</b> | <b>111</b> |

IWMP - IV W/S 3/1 ,15, 16

P.S. - Shahpura DISTT. BHILWARA

चयनित भूमिहीन परिवार

| S.No  | Block Name | Panchayat Name | Village Name | SC | ST | OBC | Minority | Others | Total |
|-------|------------|----------------|--------------|----|----|-----|----------|--------|-------|
| 1     | शाहपुरा    | लसाडिया        | आंटोली       | 1  | 1  | 1   | 1        | 1      | 5     |
| 2     | शाहपुरा    | लसाडिया        | देवपुरी      | 1  | 2  | 3   | 1        | 1      | 8     |
| 3     | शाहपुरा    | लसाडिया        | कोटडी मीणान  | 1  | 3  | 1   | 1        | 1      | 7     |
| 4     | शाहपुरा    | लसाडिया        | लसाडिया      | 3  | 1  | 6   | 1        | 2      | 13    |
| 5     | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 5  | 2  | 8   | 1        | 2      | 18    |
| Total |            |                |              | 11 | 9  | 19  | 5        | 7      | 51    |

IWMP - IV W/S 3/1 ,15, 16  
P.S. - Shahpura DISTT. BHILWARA

प्रशुधन वाले परिकार

| S. No        | Block Name | PanchayatName | Village Name | SC         | ST         | OBC        | Minority  | Others     | Total       |
|--------------|------------|---------------|--------------|------------|------------|------------|-----------|------------|-------------|
| 1            | शाहपुरा    | लसाड़िया      | आटोली        | 23         | 26         | 29         | 7         | 12         | 97          |
| 2            | शाहपुरा    | लसाड़िया      | देवपुरी      | 25         | 40         | 71         | 12        | 24         | 172         |
| 3            | शाहपुरा    | लसाड़िया      | कोटडी मीणान  | 15         | 90         | 12         | 2         | 4          | 123         |
| 4            | शाहपुरा    | लसाड़िया      | लसाड़िया     | 67         | 23         | 182        | 20        | 36         | 328         |
| 5            | शाहपुरा    | बछ खेड़ा      | बछ खेड़ा     | 149        | 44         | 244        | 2         | 39         | 478         |
| <b>Total</b> |            |               |              | <b>279</b> | <b>223</b> | <b>538</b> | <b>43</b> | <b>115</b> | <b>1198</b> |

IWMP - IV W/S 3/1 ,15, 16

P.S. - Shahpura DISTT. BHILWARA

पशुधन हीन परिवार

| S.No | Block Name | Panchayat Name | Village Name | SC        | ST        | OBC        | Minority | Others    | Total      |
|------|------------|----------------|--------------|-----------|-----------|------------|----------|-----------|------------|
| 1    | शाहपुरा    | लसाड़िया       | आंटोली       | 6         | 7         | 7          | 1        | 3         | 24         |
| 2    | शाहपुरा    | लसाड़िया       | देवपुरी      | 7         | 11        | 20         | 3        | 6         | 47         |
| 3    | शाहपुरा    | लसाड़िया       | कोटड़ी मीणान | 3         | 25        | 3          | 0        | 1         | 32         |
| 4    | शाहपुरा    | लसाड़िया       | लसाड़िया     | 18        | 6         | 51         | 5        | 9         | 89         |
| 5    | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 41        | 12        | 68         | 0        | 10        | 131        |
|      |            | <b>Total</b>   |              | <b>75</b> | <b>61</b> | <b>149</b> | <b>9</b> | <b>29</b> | <b>323</b> |

**IWMP - IV W/S 3/1 ,15, 16**  
**P.S. - Shahpura DISTT. BHILWARA**

प्रशुधनहीन BPL परिवार

| S.No | Block Name   | Panchayat Name | Village Name | SC        | ST        | OBC       | Minority | Others    | Total      |
|------|--------------|----------------|--------------|-----------|-----------|-----------|----------|-----------|------------|
| 1    | शाहपुरा      | लसाडिया        | आंटोली       | 3         | 3         | 3         | 1        | 2         | 12         |
| 2    | शाहपुरा      | लसाडिया        | देवपुरी      | 3         | 5         | 8         | 2        | 3         | 21         |
| 3    | शाहपुरा      | लसाडिया        | कोटडी मीणान  | 2         | 10        | 2         | 0        | 1         | 15         |
| 4    | शाहपुरा      | लसाडिया        | लसाडिया      | 8         | 3         | 21        | 2        | 4         | 38         |
| 5    | शाहपुरा      | बछ खेडा        | बछ खेडा      | 17        | 5         | 28        | 0        | 4         | 54         |
|      | <b>Total</b> |                |              | <b>33</b> | <b>26</b> | <b>62</b> | <b>5</b> | <b>14</b> | <b>140</b> |

## IWMP - IV W/S 3/1 ,15, 16

## P.S. - Shahpura DISTT. BHILWARA

जलग्रहण क्षेत्र में आने वाले गाँव की भूमि विवरण

| क्र. सं. | गाँव का नाम | ग्राम पंचायत | सिंचित | असिंचित | अकृषि भूमि |        | Forest | उपचार के लिए उपलब्ध | योग  | उपचार के लिए उपलब्ध नहीं |
|----------|-------------|--------------|--------|---------|------------|--------|--------|---------------------|------|--------------------------|
|          |             |              |        |         | निजी       | सरकारी |        |                     |      |                          |
| 1        | आंटोली      | लसाड़िया     | 58     | 117     | 10         | 25     | 0      | 210                 | 346  | 136                      |
| 2        | देवपुरी     | लसाड़िया     | 186    | 496     | 59         | 99     | 0      | 840                 | 840  | 0                        |
| 3        | कोटडी भीणान | लसाड़िया     | 52     | 380     | 21         | 49     | 0      | 502                 | 721  | 219                      |
| 4        | लसाड़िया    | लसाड़िया     | 162    | 746     | 132        | 71     | 320    | 1431                | 1431 | 0                        |
| 5        | बछ खेड़ा    | बछ खेड़ा     | 325    | 1089    | 102        | 157    | 0      | 1673                | 1673 | 0                        |
| योग      |             |              | 783    | 2828    | 324        | 401    | 320    | 4656                | 5011 | 355                      |

IWMP - IV W/S 3/1 ,15, 16

P.S. - Shahpura DISTT. BHILWARA

| S.No         | Block Name | Panchayat Name | Village Name | Cow Desi   | Cow Hybrid | Ox         | buffalo    | Bull      | Sheep      | Goat Female | Goat Male  | Total       |
|--------------|------------|----------------|--------------|------------|------------|------------|------------|-----------|------------|-------------|------------|-------------|
| 1            | शाहपुरा    | लसाड़िया       | आंटोली       | 100        | 19         | 35         | 72         | 4         | 52         | 72          | 45         | 399         |
| 2            | शाहपुरा    | लसाड़िया       | देवपुरी      | 160        | 28         | 19         | 82         | 3         | 48         | 69          | 29         | 438         |
| 3            | शाहपुरा    | लसाड़िया       | कोटड़ी भीणान | 185        | 25         | 42         | 96         | 5         | 76         | 98          | 58         | 585         |
| 4            | शाहपुरा    | लसाड़िया       | लसाड़िया     | 305        | 31         | 45         | 92         | 4         | 105        | 114         | 88         | 784         |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 234        | 156        | 41         | 95         | 11        | 16         | 101         | 12         | 666         |
| <b>Total</b> |            |                |              | <b>984</b> | <b>259</b> | <b>182</b> | <b>437</b> | <b>27</b> | <b>297</b> | <b>454</b>  | <b>232</b> | <b>2872</b> |

**IWMP - IV W/S 3/1 ,15, 16**

**P.S. - Shahpura DISTT. BHILWARA**

| S. No        | Block Name | Panchayat Name | Village Name | SMALL FARMERS |           |            |           |           |            | MARGINAL FARMERS |            |            |           |           |            | BIG FARMERS |          |           |          |          |           |             |     |
|--------------|------------|----------------|--------------|---------------|-----------|------------|-----------|-----------|------------|------------------|------------|------------|-----------|-----------|------------|-------------|----------|-----------|----------|----------|-----------|-------------|-----|
|              |            |                |              | SC            |           | ST         |           | OBC       |            | Minority         | Others     | Total SC   | ST        | OBC       | Minority   | Others      | Total SC | ST        | OBC      | Minority | Others    | Total       |     |
|              |            |                |              |               |           |            |           |           |            |                  |            |            |           |           |            |             |          |           |          |          |           |             |     |
| 1            | शाहपुरा    | लसाड़िया       | आंटोली       | 12            | 14        | 15         | 3         | 7         | 50         | 15               | 16         | 18         | 5         | 8         | 62         | 0           | 0        | 1         | 0        | 0        | 0         | 1           | 113 |
| 2            | शाहपुरा    | लसाड़िया       | देवपुरी      | 13            | 21        | 37         | 7         | 13        | 90         | 17               | 26         | 44         | 8         | 15        | 110        | 0           | 0        | 2         | 0        | 0        | 1         | 3           | 203 |
| 3            | शाहपुरा    | लसाड़िया       | कोटड़ी मीणान | 8             | 45        | 6          | 1         | 2         | 62         | 9                | 58         | 7          | 1         | 3         | 78         | 0           | 2        | 1         | 0        | 0        | 0         | 3           | 143 |
| 4            | शाहपुरा    | लसाड़िया       | लसाड़िया     | 34            | 12        | 93         | 11        | 19        | 169        | 43               | 15         | 114        | 13        | 23        | 208        | 0           | 0        | 4         | 0        | 0        | 1         | 5           | 382 |
| 5            | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 3             | 24        | 130        | 1         | 21        | 252        | 101              | 29         | 160        | 2         | 26        | 311        | 1           | 0        | 4         | 0        | 0        | 1         | 6           | 569 |
| <b>Total</b> |            |                |              | <b>70</b>     | <b>##</b> | <b>281</b> | <b>23</b> | <b>62</b> | <b>623</b> | <b>185</b>       | <b>144</b> | <b>343</b> | <b>29</b> | <b>75</b> | <b>769</b> | <b>1</b>    | <b>2</b> | <b>12</b> | <b>0</b> | <b>3</b> | <b>18</b> | <b>1410</b> |     |

**IWMP - IV W/S 3/1 ,15, 16**  
**P.S. - Shahpura DISTT. BHILWARA**

| S. No | Block Name | Panchayat Name | Village Name | अशिक्षित    |             | प्राथमिक शिक्षा |             |             | उच्च प्राथमिक शिक्षा |             |            | हायर शिक्षा |            | Grand Total |            |             |
|-------|------------|----------------|--------------|-------------|-------------|-----------------|-------------|-------------|----------------------|-------------|------------|-------------|------------|-------------|------------|-------------|
|       |            |                |              | MALE        | FEMALE      | tot. Iii        | MALE        | FEMALE      | T. P                 | MALE        | FEMALE     | T. UP       | MALE       |             | FEMALE     | T. H        |
| 1     | शाहपुरा    | लसाडिया        | आंटोली       | 120         | 278         | 398             | 104         | 63          | 167                  | 116         | 52         | 168         | 4          | 0           | 4          | 737         |
| 2     | शाहपुरा    | लसाडिया        | देवपुरी      | 193         | 448         | 641             | 283         | 172         | 455                  | 139         | 62         | 201         | 20         | 4           | 24         | 1321        |
| 3     | शाहपुरा    | लसाडिया        | कोटड़ी मीणान | 121         | 280         | 401             | 158         | 96          | 254                  | 131         | 58         | 189         | 33         | 7           | 40         | 884         |
| 4     | शाहपुरा    | लसाडिया        | लसाडिया      | 317         | 738         | 1055            | 416         | 254         | 670                  | 211         | 94         | 305         | 152        | 33          | 185        | 2215        |
| 5     | शाहपुरा    | बछ खेड़ा       | बछ खेड़ा     | 350         | 815         | 1165            | 717         | 438         | 1155                 | 594         | 266        | 860         | 129        | 28          | 157        | 3337        |
|       |            | <b>Total</b>   |              | <b>1101</b> | <b>2559</b> | <b>3660</b>     | <b>1678</b> | <b>1023</b> | <b>2701</b>          | <b>1191</b> | <b>532</b> | <b>1723</b> | <b>338</b> | <b>72</b>   | <b>410</b> | <b>8494</b> |

IWMP-IV - 3/1, 15 & 16 P.S. - SHAHPURA, DISTT. - BHILWARA

| S. NO.       | EX. STRICTURE | VILLAGE     | CAPACITY 0.40*A*D |     |     |      | CUM.          |
|--------------|---------------|-------------|-------------------|-----|-----|------|---------------|
|              |               |             | 0.40              | L   | B   | D    |               |
| 1            | TALAB         | BACHHKHERA  | 0.40              | 900 | 150 | 0.90 | 48600         |
| 2            | NADI          | BACHHKHERA  | 0.40              | 560 | 80  | 0.80 | 14336         |
| 3            | NADI          | BACHHKHERA  | 0.40              | 720 | 70  | 0.60 | 12096         |
| 4            | NADI          | BACHHKHERA  | 0.40              | 320 | 50  | 0.60 | 3840          |
| 5            | NADI          | BACHHKHERA  | 0.40              | 200 | 50  | 0.50 | 2000          |
| 6            | NADI          | DEVPURI     | 0.40              | 320 | 80  | 0.40 | 4096          |
| 7            | NADI          | KOTRI MEENA | 0.40              | 200 | 60  | 0.40 | 1920          |
| 8            | NADI          | KOTRI MEENA | 0.40              | 500 | 160 | 0.60 | 19200         |
| 9            | NADI          | KOTRI MEENA | 0.40              | 725 | 165 | 1.00 | 47850         |
| 10           | NADI          | LASADIYA    | 0.40              | 320 | 80  | 0.4  | 4096          |
| 11           | NADI          | LASADIYA    | 0.40              | 360 | 120 | 0.4  | 6912          |
| 12           | NADI          | LASADIYA    | 0.40              | 400 | 120 | 0.5  | 9600          |
| 13           | TALAB         | LASADIYA    | 0.40              | 850 | 225 | 0.9  | 68850         |
| 14           | TALAB         | LASADIYA    | 0.40              | 320 | 40  | 0.4  | 2048          |
| 15           | NADI          | LASADIYA    | 0.40              | 900 | 175 | 0.8  | 50400         |
| <b>TOTAL</b> |               |             |                   |     |     |      | <b>295844</b> |

STRANGE'S - TABLE

| Total Monsoon rainfall in mm | Good Catchment Area % of runoff to rainfall | Average Catchment Area Depth of run-off due to rainfall in mm. | Average Catchment Area % of runoff to rainfall | Average Catchment Area Depth of run-off due to rainfall in mm. | Bad Catchment Area % of runoff to rainfall | Bad Catchment Area Depth of run-off due to rainfall in mm. |
|------------------------------|---|--|--|--|--|--|
| 1                            | 2   | 3  | 4  | 5  | 6  | 7  |
| 20                           | 0.080                                       | 0.016  | 0.06   | 0.012  | 0.04                                       | 0.008  |
| 40                           | 0.130                                       | 0.052  | 0.0975   | 0.039  | 0.065                                      | 0.026  |
| 60                           | 0.245                                       | 0.147  | 0.17375  | 0.11025  | 0.1225                                     | 0.0735   |
| 80                           | 0.410                                       | 0.328  | 0.3075   | 0.2560   | 0.205                                      | 0.164  |
| 100                          | 0.700                                       | 0.700  | 0.525  | 0.525  | 0.350                                      | 0.350  |
| 120                          | 0.900                                       | 1.080  | 0.675  | 0.810  | 0.450                                      | 0.540  |
| 140                          | 1.1225                                      | 1.715  | 0.91875  | 1.28625  | 0.6125                                     | 0.8575   |
| 160                          | 1.625                                       | 2.600  | 1.21875  | 1.950  | 0.8125                                     | 1.30   |
| 180                          | 2.120                                       | 3.186  | 1.5900   | 2.862  | 1.060                                      | 1.908  |
| 200                          | 2.700                                       | 5.400  | 2.025  | 4.050  | 1.350                                      | 2.70   |
| 220                          | 3.260                                       | 7.172  | 2.445  | 5.379  | 1.630                                      | 3.586  |
| 240                          | 3.810                                       | 9.144  | 2.8575   | 6.858  | 1.905                                      | 4.752  |
| 260                          | 4.450                                       | 11.57  | 3.3375   | 8.6775   | 2.225                                      | 5.785  |
| 280                          | 5.190                                       | 14.532   | 3.3925   | 10.899   | 2.595                                      | 7.266  |
| 300                          | 5.900                                       | 17.700   | 4.425  | 13.275   | 2.95                                       | 8.85   |
| 320                          | 6.720                                       | 21.504   | 5.040  | 16.126   | 3.36                                       | 10.752   |
| 340                          | 7.750                                       | 25.738   | 5.6775   | 19.3035  | 3.785                                      | 12.869   |
| 360                          | 8.550                                       | 30.780   | 6.4125   | 23.085   | 4.275                                      | 15.39  |
| 380                          | 9.450                                       | 36.910   | 7.0876   | 27.6825  | 4.725                                      | 18.455   |
| 400                          | 10.250                                      | 41.000   | 7.6875   | 30.750   | 5.125                                      | 20.50  |
| 420                          | 11.050                                      | 46.410   | 8.2875   | 34.8075  | 5.525                                      | 23.2057  |
| 440                          | 12.000                                      | 52.800   | 9.000  | 39.600   | 6.00                                       | 26.40  |
| 460                          | 12.950                                      | 59.570   | 9.7125   | 44.6775  | 6.475                                      | 29.786   |
| 480                          | 13.900                                      | 66.720   | 10.425   | 50.040   | 6.950                                      | 33.360   |
| 500                          | 14.700                                      | 73.500   | 11.025   | 55.125   | 7.350                                      | 36.750   |
| 520                          | 15.500                                      | 80.600   | 11.625   | 60.450   | 7.750                                      | 40.300   |
| 540                          | 16.360                                      | 88.290   | 12.2625  | 66.2175  | 8.175                                      | 44.145   |
| 560                          | 17.200                                      | 96.320   | 12.900   | 72.240   | 8.600                                      | 48.16  |
| 580                          | 18.000                                      | 104.000  | 13.500   | 78.000   | 9.000                                      | 52.00  |
| 600                          | 19.000                                      | 114.000  | 14.250   | 85.500   | 9.500                                      | 57.00  |
| 620                          | 19.880                                      | 123.256  | 14.910   | 92.444   | 9.930                                      | 61.628   |
| 640                          | 20.760                                      | 132.864  | 15.570   | 99.648   | 10.380                                     | 66.432   |
| 660                          | 21.640                                      | 142.824  | 16.210   | 107.118  | 10.820                                     | 71.412   |
| 680                          | 22.520                                      | 153.136  | 16.890   | 114.852  | 11.260                                     | 76.568   |
| 700                          | 23.400                                      | 163.800  | 17.550   | 122.850  | 11.700                                     | 81.900   |
| 720                          | 24.280                                      | 174.816  | 18.210   | 131.112  | 12.140                                     | 86.408   |
| 740                          | 25.160                                      | 189.440  | 18.870   | 142.080  | 12.580                                     | 94.720   |
| 760                          | 26.040                                      | 197.907  | 19.530   | 148.428  | 13.020                                     | 98.952   |
| 780                          | 26.920                                      | 209.976  | 20.190   | 157.482  | 13.460                                     | 104.988  |
| 800                          | 27.800                                      | 222.400  | 20.850   | 166.800  | 13.900                                     | 111.200  |
| 820                          | 28.680                                      | 235.176  | 21.570   | 176.382  | 14.380                                     | 117.588  |
| 840                          | 29.560                                      | 248.304  | 22.170   | 186.228  | 14.780                                     | 124.152  |
| 860                          | 30.440                                      | 251.784  | 22.830   | 196.338  | 15.220                                     | 130.892  |
| 880                          | 31.320                                      | 275.610  | 23.490   | 206.7075   | 15.660                                     | 137.805  |
| 900                          | 32.200                                      | 289.800  | 24.150   | 217.350  | 16.100                                     | 144.900  |

# WATER BUDGET

WATERSHED IWMP-IV - 3/1, 15 & 16

P.S. - SHAHPURA, DISTT. - BHILWARA

536.18 mm. AV. RAIN FALL

|   |  |                   |       |        |                     |         |
|---|--|-------------------|-------|--------|---------------------|---------|
| 1 | TOTAL AREA                                       | 6242              | HAC.  |        |                     | CUM.    |
| 2 | CULTIVATED LAND                                  | 3611              | 3611  | 0.0434 | 10000               | 1567557 |
| 3 | PASTURE LAND & FOREST                            | 877               | 877   | 0.0868 | 10000               | 761411  |
| 4 | NONARBLE   | 168               | 168   | 0.0651 | 10000               | 109395  |
|   |  |                   |       |        |                     | 2438363 |
| 5 | 40% EVAPORATION                                  |                   |       |        | (-)                 | 975345  |
|   |  |                   |       |        | BALANCE             | 1463018 |
| 6 | EXT. STUCTURE AS PER ANNEXURE<br>AS PER ANNEXURE | NADI+TALAB+ANICUT |       |        | (-)                 | 295844  |
|   |  |                   |       |        | BALANCE             | 1167174 |
| 7 | STORAGE BY PROPOSED STUCTURE                     |                   |       |        |                     |         |
|   | 1. CVH   | 316737            | 0.175 | 15     | (-)                 | 831435  |
|   | 2. DLT   |                   |       |        | (-)                 | 45012   |
|   | 3. PASTURE DEVELOPMENT                           |                   |       |        | (-)                 | 50867   |
|   | 4. OPEN CONTOUR TRENCHES                         | 30800             | 0.175 | 15     | (-)                 | 80850   |
|   | 5. FARM POND                                     | 16                | 500   |        | (-)                 | 8000    |
|   |  |                   |       |        | BALANCE             | 151010  |
|   |  |                   |       |        | % OF TOTAL<br>WATER | 12.94   |

## रोड मैप

| क्र. सं. | पैरामीटर   | परियोजना क्षेत्र में<br>(परियोजना पूर्व) |                                   | परियोजना अवधि उपरान्त वृद्धि का प्रस्तावित<br>स्तर/आंकलन |                                   |
|----------|--|--|-----------------------------------|--|-----------------------------------|
| 1        | जल से सम्बन्धित (मीटर)   |  |                                   |  |                                   |
| (I.)     | कुओं में औसत जल स्तर   | कुओं की गहराई                            |                                   | कुओं की गहराई  |                                   |
| (i.)     | <b>IWMP IV</b>   | 12.90 M. (गहराई)                         |                                   | 11.75 M. (गहराई)   |                                   |
| 2        | कृषि से सम्बन्धित  |  |                                   |  |                                   |
| (i.)     | जलग्रहण में बोया गया कुल क्षेत्रफल<br>(हेक्टेयर)                 | 3442                                     |                                   | 3611   |                                   |
| (ii.)    | जलग्रहण क्षेत्र में नेट बुआई क्षेत्र (हेक्टेयर)                  | 3611                                     |                                   | 3791   |                                   |
| (iii.)   | जलग्रहण क्षेत्र में ली जाने वाली विभिन्न<br>फसलें (प्रजातित्वार) | परियोजना पूर्व फसलवार                    |                                   | परियोजना अवधि उपरान्त फसलवार                             |                                   |
|          |  | जोत क्षेत्र<br>(हेक्टेयर)                | क्विंटल प्रति<br>हेक्टेयर उत्पादन | जोत क्षेत्र (हेक्टेयर)                                   | क्विंटल प्रति हेक्टेयर<br>उत्पादन |
|          | MAIZE  | 1407                                     | 18.50                             | 1477   | 30.00                             |
|          | URAD   | 401                                      | 10.60                             | 421  | 13.00                             |
|          | MUNG   | 381                                      | 6.00                              | 400  | 5.00                              |
|          | TIL  | 279                                      | 6.50                              | 292  | 8.00                              |
|          | GWAR   | 220                                      | 15.40                             | 231  | 18.00                             |
|          | JWAR   | -  | -                                 | -  | 45.00                             |
|          | KAPAS  | 200                                      | 10.00                             | 210  | 22.00                             |
|          | WHEET  | 402                                      | 25.00                             | 422  | 22.00                             |
|          | CHANA  | 80                                       | 11.00                             | 84   | 30.00                             |
|          | SARNSO   | 241                                      | 10.00                             | 254  | 12.00                             |
| (iv.)    | जैव उर्वरकों के उपयोग की स्थिति                                  | वर्तमान में                              |                                   | परियोजना अवधि उपरान्त                                    |                                   |
|          |  | 20%                                      |                                   | 60%  |                                   |
| (v.)     | चारा उत्पादन (किस्मवार,क्विंटल)                                  | वर्तमान में                              |                                   | परियोजना अवधि उपरान्त                                    |                                   |
|          | MAIZE  | 56280                                    |                                   | 59080  |                                   |
|          | WHEET  | 14070                                    |                                   | 14770  |                                   |
|          | JWAR   | -  |                                   | 11160  |                                   |
|          | CHANA  | 640                                      |                                   | 672  |                                   |
|          | PASTURE LAND   | 250                                      |                                   | 750  |                                   |
|          | <b>TOTAL</b>   | <b>71240</b>                             |                                   | <b>86432</b>   |                                   |

| 3       | उधानिकी से सम्बन्धित (प्रजातिवार)                        | परियोजना पूर्व प्रजातिवार |                     |                                  | परियोजना अवधि उपरान्त प्रजातिवार |            |                   |
|---------|--|---------------------------|---------------------|----------------------------------|----------------------------------|------------|-------------------|
|         |  | संख्या                    | क्वि./पेड़          | उत्पादन (क्विंटल)                | संख्या                           | क्वि./पेड़ | उत्पादन (क्विंटल) |
| (i.)    | आम   | 50                        | 2.00                | 100                              | 50                               | 2.00       | 100               |
| (ii.)   | नींबू  | 95                        | 0.50                | 48                               | 5635                             | 0.50       | 2818              |
| (iii.)  | आवला   | 300                       | 0.50                | 150                              | 2640                             | 0.50       | 1320              |
| (iv.)   | सन्तरा   | 80                        | 0.75                | 60                               | 860                              | 1.00       | 860               |
| (v.)    | पपीता  | 80                        | 0.30                | 24                               | 100                              | 0.30       | 30                |
| (vi.)   | करोदा  | 50                        | 0.30                | 15                               | 424250                           | 0.30       | 127275            |
| (vii.)  | अमरुद  | 50                        | 0.30                | 15                               | 282                              | 0.30       | 85                |
| (viii.) | बेर  | 78                        | 0.50                | 39                               | 80                               | 0.50       | 40                |
| (ix.)   | जामुन  | 10                        | 3.00                | 30                               | 12                               | 3.00       | 36                |
| (x.)    | अनार   | 15                        | 0.30                | 5                                | 1575                             | 0.30       | 473               |
| 4       | कृषि वानिकी (प्रजातिवार)                                 | परियोजना पूर्व प्रजातिवार |                     | परियोजना अवधि उपरान्त प्रजातिवार |                                  |            |                   |
|         |  | कुल संख्या                | पौधे प्रति हैक्टेयर | कुल संख्या                       | पौधे प्रति हैक्टेयर              |            |                   |
|         | कृषि योग्य भूमि (प्रजातिवार)                             | 21666                     | 6                   | 473041                           | 131                              |            |                   |
|         | चारागाह भूमि (प्रजातिवार)                                | 12254                     | 22                  | 27254                            | 49                               |            |                   |
|         | वन भूमि (प्रजातिवार)                                     | 17600                     | 55                  | 19200                            | 60                               |            |                   |
|         | सिवाय चक (प्रजातिवार)                                    |                           |                     |                                  |                                  |            |                   |
|         | कुल  |                           |                     |                                  |                                  |            |                   |
| 4       | पशुपालन से सम्बन्धित                                     | वर्तमान में               |                     | परियोजना अवधि उपरान्त            |                                  |            |                   |
| (i.)    | संकर प्रजाति के पशुओं की संख्या (प्रजातिवार) गाय         |                           |                     |                                  |                                  |            |                   |
| (ii.)   | औसत दुग्ध उत्पादन प्रति पशु (प्रजातिवार) कि.ग्रा. में    | 3.00 KG                   |                     | 7.00 KG                          |                                  |            |                   |
| (iii.)  | पशुओं में पाई जाने वाली बीमारियों के नम (संख्या में कमी) | गलघोटू व खुरपक, मुहपक     |                     | NIL                              |                                  |            |                   |
| 6       | सामाजिक - आर्थिक   | वर्तमान में               |                     | परियोजना अवधि उपरान्त            |                                  |            |                   |
| (I.)    | प्रति परिवार औसत आमदनी                                   | 25000                     |                     | 60000                            |                                  |            |                   |
| (II.)   | स्वयं सहायता समूह  |                           |                     |                                  |                                  |            |                   |
| (i.)    | कुल स्वयं सहायता समूह की संख्या                          |                           |                     | 20                               |                                  |            |                   |
| (ii.)   | कुल सदस्यों की संख्या                                    |                           |                     | 200                              |                                  |            |                   |
| (iii.)  | कुल बचत राशि   | 4000                      |                     | 125000                           |                                  |            |                   |
| (iv.)   | ज.ग्र. परियोजना से सहायता (राशि)                         |                           |                     | 6.30 Lac.                        |                                  |            |                   |
| (v.)    | बैंक लिकेंज (राशि)                                       |                           |                     | Lac.                             |                                  |            |                   |

समन्वित जलग्रहण प्रबन्धन परियोजना अन्तर्गत शाहपुरा जलग्रहण क्षेत्र की वर्षवार वार्षिक कार्य योजना

|   |                   |                    |         |
|---|-------------------|--------------------|---------|
| जिले का नाम                                 | भीलवाड़ा          | कुल लागत राशि      | 2627.82 |
| पंचायत समिति का नाम                         | शाहपुरा           | जलग्रहण क्षेत्र से | 558.72  |
| जलग्रहण क्षेत्र का नाम                      | शाहपुरा IWMP - IV | अन्य योजना से      | 2069.10 |
| कुल लागत राशि                               | 558.72 लाख        |                    |         |
| उपचारित किया जाने वाला प्रस्तावित क्षेत्रफल | 4656 हैक्टर       | लागत प्रति हैक्टर  | 0.56    |

| क्र. सं. | गतिविधि का नाम                           | परिवारों की संख्या | TOTAL TARGET |       |                | From W/S     |         |                | Other Scheme |        |                | Name of Other Scheme |
|----------|--|--------------------|--------------|-------|----------------|--------------|---------|----------------|--------------|--------|----------------|----------------------|
|          |  |                    | भौतिक लक्ष्य | यूनिट | वित्तीय लक्ष्य | भौतिक लक्ष्य | दर      | वित्तीय लक्ष्य | भौतिक लक्ष्य | दर     | वित्तीय लक्ष्य |                      |
| 1        | प्रशासनिक लागत                           |                    |              |       | 55.872         |              |         | 55.872         |              |        | 0.000          |                      |
| 2        | मोनिटरिंग                                |                    |              |       | 5.587          |              |         | 5.587          |              |        | 0.000          |                      |
| 3        | इवोल्युशन                                |                    |              |       | 5.587          |              |         | 5.587          |              |        | 0.000          |                      |
| 4        | प्रवेश बिन्दु गतिविधि                    |                    |              |       | 22.349         |              |         | 22.349         |              |        | 0.000          |                      |
| 5        | संस्थान व क्षमता निर्माण                 |                    |              |       | 27.936         |              |         | 27.936         |              |        | 0.000          |                      |
| 6        | विस्तृत परियोजना प्रतिवेदन उपयोग         |                    |              |       | 122.918        |              |         | 122.918        |              |        | 0.000          |                      |
| 7        | जलग्रहण विकास कार्य चरण                  |                    |              |       |                |              |         |                |              |        |                |                      |
| 1        | कृषि भूमि कार्य (असिंचित)                |                    |              |       |                |              |         |                |              |        |                |                      |
| (i)      | CVH(NRM) Ha.SC/ST/BPL                    |                    | 1142         | Ha    | 89.107         | 440          | 0.0674  | 29.623         | 702          | 0.0847 | 59.485         | MNREGS               |
| (ii)     | CVH(NRM) Ha. Other                       |                    | 1686         | Ha    | 113.586        | 1686         | 0.0674  | 113.586        |              |        |                |                      |
| (iii)    | Weste Weir No                            |                    | 590          | No    | 77.880         | 590          | 0.132   | 77.880         |              |        |                |                      |
| (iv)     | Farm Pond No.                            |                    | 16           | No    | 14.160         | 0            | 0.607   | 0.000          | 16           | 0.885  | 14.160         | MNREGS               |
| (v)      | Horticulture (NRM) Ha.                   | 483                | 386          | Ha    | 49.485         | 60           | 0.1048  | 6.290          | 326          | 0.13   | 43.195         | MNREGS               |
| 2        | (अकृषि भूमि)                             |                    |              |       |                |              |         |                |              |        |                |                      |
| (i)      | चरागाह विकास Ha.                         |                    | 50           | Ha    | 31.822         | 50           | 0.6454  | 31.822         |              |        |                |                      |
| (ii)     | NADI IN P.D BLOCK                        |                    | 2            | No    | 4.000          | 2            | 2.0000  | 4.000          |              |        |                |                      |
| (iii)    | चरागाह विकास Ha.(Private Farmer)         |                    | 250          | Ha    | 14.223         | 250          | 0.0569  | 14.223         |              |        |                |                      |
| (iv)     | Open Contour Trench Ha                   |                    | 275          | Ha    | 22.759         | 275.0        | 0.083   | 22.759         | 0.0          | 0.101  | 0.000          | MNREGS               |
| 3        | नाला उपचार कार्य                         |                    |              |       |                |              |         |                |              |        |                |                      |
| (i)      | Masonry Check Dam                        |                    | 23           | No    | 13.260         | 23           |         | 13.260         |              |        |                |                      |
| (ii)     | M.M.S.                                   |                    | 5            | No    | 21.790         | 5            |         | 21.790         |              |        |                |                      |
|          | उपयोग                                    |                    |              |       | 452.072        |              |         | 335.232        |              |        | 116.84         |                      |
| 8(A)     | माइको उधम                                |                    |              |       |                |              |         |                |              |        |                |                      |
| 1        | LIVE STOCK                               |                    |              |       |                |              |         |                |              |        |                |                      |
| (i)      | A.I. No.                                 |                    | 3874         | No    | 5.811          | 3874         | 0.0015  | 5.811          |              |        |                |                      |
| (ii)     | A.H. CAMP 2x2x4                          |                    | 16           | No    | 1.600          | 16           | 0.10    | 1.600          |              |        |                |                      |
| 2        | मुर्गीपालन                               | 91                 | 91           | No    | 136.500        |              |         |                | 91           | 1.5    | 136.500        | ANIMAL HUSBANDRY     |
| 3        | गछली पालन                                | 14                 | 14           | No    | 70.000         |              |         |                | 14           | 5      | 70.000         | ANIMAL HUSBANDRY     |
| 4        | स्वयं सहायता समूह (R/F.)                 | 629                | 63           | No    | 6.300          | 63           | 0.10    | 6.300          |              |        |                |                      |
| 5        | उच्च शिक्षा                              | 479                | 479          | No    | 47.900         |              |         |                | 479          | 0.1    | 47.900         | SOCIAL WALFAIR       |
| 6        | तकनीकी प्रशिक्षण                         | 808                | 808          | No    | 80.800         |              |         |                | 808          | 0.1    | 80.800         | Rudset/ILFS          |
| 7        | सामाजिक सहायता                           | 807                | 807          | No    | 32.280         |              |         |                | 807          | 0.04   | 32.280         | SOCIAL WALFAIR       |
| 8        | पशु बीमा योजना                           | 445                | 1250         | No    | 5.000          |              |         |                | 1250         | 0.004  | 5.000          | ANIMAL HUSBANDRY     |
|          | उपयोग                                    |                    |              |       | 386.191        |              |         | 13.711         |              |        | 372.480        |                      |
| (B)      | उत्पादन व्यवस्था एवं आजीविका विकास कार्य |                    |              |       |                |              |         |                |              |        |                |                      |
| 1        | खरीफ                                     | 1820               |              | No    | 14.580         | 1820         |         | 14.580         |              |        |                |                      |
| 2        | रबी                                      | 459                |              | No    | 10.550         | 459          |         | 10.550         |              |        |                |                      |
| 3        | फलदार पौधारोपण                           | 494                | 395          | Ha    | 127.477        | 60           | 0.2863  | 17.178         | 335          | 0.329  | 110.299        | MNREGS               |
| 4        | वर्मी कम्पोस्ट                           | 10                 | 10           | No    | 3.000          | 10           | 0.30    | 3.000          |              |        |                |                      |
| 5        | नेडेप कम्पोस्ट                           | 300                | 300          | No    | 6.000          | 300          | 0.02    | 6.000          |              |        |                |                      |
| 6 (i)    | कृषि भूमि (cvh Pro.)sc/st/BPL Alu+Kar    |                    | 1142         | Ha    | 239.820        |              |         |                | 1142         | 0.21   | 239.820        | MNREGS               |
| (ii)     | कृषि भूमि (cvh Pro.) Other Alu           |                    | 1500         | Ha    | 27.921         | 391.3        | 0.01752 | 6.856          | 1108.7       | 0.019  | 21.065         | MNREGS               |
| (iii)    | कृषि भूमि (cvh Pro.) Other Alu+Kar       |                    | 186          | Ha    | 38.263         | 30           | 0.18343 | 5.503          | 156          | 0.21   | 32.760         | MNREGS               |

**समन्वित जलग्रहण प्रबन्धन परियोजना अन्तर्गत शाहपुरा जलग्रहण क्षेत्र की वर्षवार वार्षिक कार्य योजना**

|   |                   |                    |         |
|---|-------------------|--------------------|---------|
| जिले का नाम                                 | भीलवाड़ा          | कुल लागत राशि      | 2627.82 |
| पंचायत समिति का नाम                         | शाहपुरा           | जलग्रहण क्षेत्र से | 558.72  |
| जलग्रहण क्षेत्र का नाम                      | शाहपुरा IWMP - IV | अन्य योजना से      | 2069.10 |
| कुल लागत राशि                               | 558.72 लाख        |                    |         |
| उपचारित किया जाने वाला प्रस्तावित क्षेत्रफल | 4656 हेक्टर       | लागत प्रति हेक्टर  | 0.56    |

| क. सं.             | गतिविधि का नाम                               | परिवारों की संख्या | TOTAL TARGET |       |                 | From W/S     |       |                | Other Scheme |       |                 | Name of Other Scheme |
|--------------------|--|--------------------|--------------|-------|-----------------|--------------|-------|----------------|--------------|-------|-----------------|----------------------|
|                    |  |                    | भौतिक लक्ष्य | यूनिट | वित्तीय लक्ष्य  | भौतिक लक्ष्य | दर    | वित्तीय लक्ष्य | भौतिक लक्ष्य | दर    | वित्तीय लक्ष्य  |                      |
| 7                  | <b>Inovative Works</b>                       |                    |              |       |                 |              |       |                |              |       |                 |                      |
| (i)                | Kitchen garden                               |                    | 10           | No    | 2.445           | 10           | 0.245 | 2.445          |              |       |                 |                      |
| (ii)               | Kitchen garden                               |                    | 10           | No    | 3.000           |              |       |                | 10           | 0.3   | 3.000           | HORTICULTURE         |
| (iii)              | Trellis                                      |                    | 10           | No    | 3.535           | 10           | 0.354 | 3.535          |              |       |                 |                      |
| (iv)               | Trellis                                      |                    | 10           |       | 3.000           |              |       |                | 10           | 0.3   | 3.000           | HORTICULTURE         |
| 8                  | जैविक बाड़                                   | 674                | 539          | Ha    | 84.623          |              |       |                | 539          | 0.157 | 84.623          | OTHERS               |
| 9                  | फूलों की खेती                                | 223                | 178          | Ha    | 42.720          |              |       |                | 178          | 0.24  | 42.720          | HORTICULTURE         |
| 10                 | मसाला खेती                                   | 255                | 204          | Ha    | 47.532          |              |       |                | 204          | 0.233 | 47.532          | HORTICULTURE         |
| 11                 | औषधीया पौधों की खेती                         | 149                | 119          | Ha    | 17.850          |              |       |                | 119          | 0.15  | 17.850          | HORTICULTURE         |
| 12                 | नर्सरी स्थापना (25000 Forest Plant/- Family) | 182                | 146          | No    | 109.500         | 1            | 0.75  | 0.450          | 145          | 0.75  | 109.050         | MNREGS               |
| 13                 | जिप्सम से भूमि सुधार                         | 837                | 670          | Ha    | 4.690           |              |       |                | 670          | 0.007 | 4.690           | AGRICULTURE          |
| 14                 | सिंचाई हेतु पाईप लाईन                        | 1113               | 890          | No    | 133.500         |              |       |                | 890          | 0.15  | 133.50          | AGRICULTURE          |
| 15                 | स्प्रिंकलर सिस्टम                            | 933                | 746          | Ha    | 335.700         |              |       |                | 746          | 0.45  | 335.70          | AGRICULTURE          |
| 16                 | ड्रिप सिंचाई योजना                           | 811                | 649          | Ha    | 272.580         |              |       |                | 649          | 0.42  | 272.58          | AGRICULTURE          |
| 17                 | कृषि यंत्र (स्पेयर)                          | 943                | 754          | No    | 37.700          |              |       |                | 754          | 0.05  | 37.70           | AGRICULTURE          |
| 18                 | पौध संरक्षण यंत्र                            | 573                | 458          | No    | 4.580           |              |       |                | 458          | 0.01  | 4.58            | AGRICULTURE          |
| 19                 | नीम उत्पादन                                  | 399                | 319          | No    | 1.595           |              |       |                | 319          | 0.005 | 1.60            | MNREGS               |
| 20                 | ग्रीन हाउस स्थापना                           | 58                 | 46           | Ha    | 69.000          |              |       |                | 46           | 1.5   | 69.00           | HORTICULTURE         |
| 21                 | बांस उत्पादन                                 | 136                | 109          | Ha    | 8.720           |              |       |                | 109          | 0.08  | 8.72            | HORTICULTURE         |
| <b>Total</b>       |  |                    |              |       | <b>1649.881</b> |              |       | <b>70.097</b>  |              |       | <b>1579.784</b> |                      |
| 9                  | कन्सोलिडेशन चरण                              |                    |              |       | 16.762          |              |       | 16.762         |              |       |                 |                      |
| <b>GRAND TOTAL</b> |  |                    |              |       | <b>2627.82</b>  |              |       | <b>558.72</b>  |              |       | <b>2069.10</b>  |                      |

**Summary**

| S. No | NAME OF DEPARTMENT | Amount         |
|-------|--------------------|----------------|
| 1     | MNREGS             | 631.429        |
| 2     | ANIMAL HUSBANDRY   | 211.500        |
| 3     | SOCIAL WALFAIR     | 80.180         |
| 4     | Rudset/ILFS        | 80.800         |
| 5     | OTHERS             | 84.623         |
| 6     | HORTICULTURE       | 191.822        |
| 7     | AGRICULTURE        | 788.750        |
|       | <b>Grand Total</b> | <b>2069.10</b> |

समन्वित जलग्रहण प्रबन्धन परियोजना अन्तर्गत शाहपुरा जलग्रहण क्षेत्र की वर्षवार वार्षिक कार्य योजना

जिले का नाम : भीलवाड़ा  
 पंचायत समिति का नाम : शाहपुरा  
 जलग्रहण क्षेत्र का नाम : शाहपुरा  
 कुल लागत राशि : 558.72 लाख  
 उपचारित किया जाने वाला प्रस्तावित क्षेत्रफल : 4656 हेक्टर

| क्रम संख्या | कुल बजट | 2010 - 11  |      |         |    |         |         | 2011-12      |        |         |         |         |         | 2012 - 13  |         |       |  |  |  |
|-------------|---------|------------|------|---------|----|---------|---------|--------------|--------|---------|---------|---------|---------|------------|---------|-------|--|--|--|
|             |         | प्रथम वर्ष |      |         |    |         |         | द्वितीय वर्ष |        |         |         |         |         | तृतीय वर्ष |         |       |  |  |  |
|             |         | SLNA       | DWDU | PIA     | WC | Total   | SLNA    | DWDU         | PIA    | WC      | Total   | SLNA    | DWDU    | PIA        | WC      | Total |  |  |  |
| 1           | 55.872  |            |      | 2.7936  |    | 2.794   |         |              |        | 8.381   |         |         |         |            | 17.879  |       |  |  |  |
| 2           | 5.587   |            |      |         |    | 0.000   | 0.279   | 0.559        |        | 1.117   | 0.419   | 1.117   |         |            | 2.235   |       |  |  |  |
| 3           | 5.587   |            |      |         |    | 0.000   | 1.676   |              |        | 1.676   |         |         |         |            | 0.000   |       |  |  |  |
| 4           | 22.3488 |            |      | 22.3488 |    | 22.349  |         |              |        | 0.000   |         |         |         |            | 0.000   |       |  |  |  |
| 5           | 27.936  |            |      | 2.7936  |    | 2.794   | 1.11744 | 2.7936       |        | 13.968  | 0.55872 | 1.3968  |         |            | 8.381   |       |  |  |  |
| 6           | 5.5872  |            |      | 5.5872  |    | 5.587   |         |              |        | 0.000   |         |         |         |            | 0.000   |       |  |  |  |
| 7           | 335.232 |            |      |         |    | 0.000   |         |              |        | 22.3488 |         |         |         | 111.185    |         |       |  |  |  |
| 8           | 83.808  |            |      |         |    | 0.000   |         |              |        | 5.5872  |         |         |         | 33.5232    |         |       |  |  |  |
| 9           | 16.7616 |            |      |         |    | 0.000   |         |              |        | 0.000   |         |         |         | 0.000      |         |       |  |  |  |
| 10          | 558.72  |            |      | 33.5232 |    | 33.5232 | 3.07296 | 3.35232      | 24.304 | 53.0784 | 0.97776 | 2.51424 | 58.5259 | 111.185    | 173.203 |       |  |  |  |

समन्वित जलग्रहण प्रबन्धन परियोजना अन्तर्गत शाहपुरा जलग्रहण क्षेत्र की वर्षवार वार्षिक कार्य योजना

जिले का नाम : भीलवाड़ा  
 पंचायत समिति का नाम : शाहपुरा  
 जलग्रहण क्षेत्र का नाम : शाहपुरा  
 कुल लागत राशि : 558.72 लाख  
 उपचारित किया जाने वाला प्रस्तावित क्षेत्रफल : 4656 हेक्टर

| 2013-14     |         |        |        | 2014-15   |        |         |        | 2015-16    |         |        |         |        |          |        |
|-------------|---------|--------|--------|-----------|--------|---------|--------|------------|---------|--------|---------|--------|----------|--------|
| चतुर्थ वर्ष |         |        |        | पंचम वर्ष |        |         |        | छठवीं वर्ष |         |        |         |        |          |        |
| SLNA        | DWDU    | PIA    | WC     | Total     | SLNA   | DWDU    | PIA    | WC         | Total   | SLNA   | DWDU    | PIA    | WC       | Total  |
|             |         | 15.644 |        | 15.644    |        |         | 5.587  |            | 5.587   |        |         | 5.587  |          | 5.587  |
|             |         |        |        | 0.000     | 0.419  | 1.117   | 0.698  |            | 2.235   |        |         |        |          | 0.000  |
| 1.956       |         |        |        | 1.956     | 1.956  |         |        |            | 1.956   |        |         |        |          | 0.000  |
|             |         |        |        | 0.000     |        |         |        |            | 0.000   |        |         |        |          | 0.000  |
|             | 0.838   | 1.9555 |        | 2.794     |        |         |        |            | 0.000   |        |         |        |          | 0.000  |
|             |         |        |        | 0.000     |        |         |        |            | 0.000   |        |         |        |          | 0.000  |
|             |         |        | 163.98 | 163.984   |        |         |        | 37.714     | 37.714  |        |         |        |          | 0.000  |
|             |         | 22.349 |        | 22.349    |        |         | 16.762 |            | 16.762  |        |         | 5.5872 |          | 5.587  |
|             |         |        |        | 0.000     |        |         |        |            | 0.000   | 0.5587 | 0.559   | 1.1174 | 14.52672 | 16.762 |
| 1.9555      | 0.83808 | 39.948 | 163.98 | 206.7264  | 2.3746 | 1.11744 | 23.047 | 37.714     | 64.2528 | 0.5587 | 0.55872 | 12.292 | 14.52672 | 27.936 |

**समन्वित जलग्रहण प्रबन्धन परियोजना अन्तर्गत शाहपुरा जलग्रहण क्षेत्र की वर्षवार वार्षिक कार्य योजना**

जिले का नाम : भीलवाड़ा  
 पंचायत समिति का नाम : शाहपुरा  
 जलग्रहण क्षेत्र का नाम : शाहपुरा  
 कुल लागत राशि : 558.72 लाख  
 उपचारित किया जाने वाला प्रस्तावित क्षेत्रफल : 4656 हेक्टर

| क्र. सं. | गतिविधि का नाम                                     | वर्षवार योजना |    |        |              |                |              |              |                |            |              |                |             | कुल योग      |                |           |              |                |            |              |                |             |              |                |       |        |        |
|----------|--|---------------|----|--------|--------------|----------------|--------------|--------------|----------------|------------|--------------|----------------|-------------|--------------|----------------|-----------|--------------|----------------|------------|--------------|----------------|-------------|--------------|----------------|-------|--------|--------|
|          |  | 2009-10       |    |        | 2010-11      |                |              | 2011-12      |                |            | 2012-13      |                |             | 2013-14      |                |           | 2014-15      |                |            | 2015-16      |                |             |              |                |       |        |        |
|          |  | मात्रा        | दर | लक्ष्य | मौलिक लक्ष्य | वित्तीय लक्ष्य | द्वितीय वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य | तृतीय वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य | चतुर्थ वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य | पंचम वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य | छठवीं वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य | सातवीं वर्ष | मौलिक लक्ष्य | वित्तीय लक्ष्य |       |        |        |
| 1        | प्रशासनिक लागत                                     |               |    |        |              |                |              |              |                |            |              |                |             |              |                |           |              |                |            |              |                |             |              |                |       |        |        |
| (I.)     | WDT सदस्यों का मानदेय                              |               |    |        |              | 2.220          |              | 4.440        |                |            |              | 4.440          |             |              |                |           |              |                |            |              |                |             |              |                | 4.440 | 24.420 |        |
| (II.)    | जलग्रहण कमेटी के सचिवों का मानदेय                  |               |    |        |              | 0.360          |              | 1.440        |                |            |              | 1.440          |             |              |                |           |              |                |            |              |                |             |              |                |       | 1.147  | 6.974  |
| (III.)   | स्वयं सेवकों का मानदेय                             |               |    |        |              | 0.214          |              | 2.500        |                |            |              | 2.880          |             |              |                |           |              |                |            |              |                |             |              |                |       | 0.000  | 8.474  |
| (IV.)    | कार्यालय व्यय(जीप का किराया) एवं अन्य व्यय इत्यादि |               |    |        |              | 0.000          |              | 0.000        |                |            |              | 9.120          |             |              |                |           |              |                |            |              |                |             |              |                |       | 0.000  | 16.004 |
|          | उपयोग  |               |    |        |              | 2.794          |              | 8.380        |                |            |              | 17.880         |             |              |                |           |              |                |            |              |                |             |              |                |       | 5.587  | 55.872 |
| 2        | मोनिटोरिंग   |               |    |        |              |                |              | 1.117        |                |            |              | 2.235          |             |              |                |           |              |                |            |              |                |             |              |                |       | 2.235  | 5.587  |
| 3        | इवोल्युशन  |               |    |        |              |                |              | 1.676        |                |            |              |                |             |              |                |           |              |                |            |              |                |             |              |                |       | 1.9555 | 5.587  |
|          | उपयोग  |               |    |        |              |                |              | 2.794        |                |            |              | 2.235          |             |              |                |           |              |                |            |              |                |             |              |                |       | 4.1904 | 11.174 |
|          | योग  |               |    |        |              | 2.794          |              | 11.174       |                |            |              | 20.115         |             |              |                |           |              |                |            |              |                |             |              |                |       | 9.777  | 67.046 |



वर्षवार वार्षिक कार्य योजना

| क्र. सं. | गतिविधि का नाम                    | मात्रा | दर     | As Per Annex. | लागत    | 2009-10      |                | 2010-11      |                | 2011-12      |                | 2012-13      |                | 2013-14      |                | 2014-15      |                | 2015-16      |                | कुल योग      |                |
|----------|-----------------------------------|--------|--------|---------------|---------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|
|          |                                   |        |        |               |         | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य |
| 6        | विस्तृत परियोजना प्रतिवेदन        |        |        |               | 5.587   |              |                |              | 5.587          |              |                |              |                |              |                |              |                |              |                |              | 5.59           |
|          | उपयोग                             |        |        |               | 5.587   |              |                |              | 5.587          |              |                |              |                |              |                |              |                |              |                |              | 5.587          |
|          | जलग्रहण कार्य चरण                 |        |        |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              | 0.00           |
| 7        | जलग्रहण विकास कार्य चरण           |        |        |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |
| (I)      | कृषि भूमि कार्य (असिंचित)         |        |        |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |
| (i)      | CVH(NRM)Ha. Other                 | 2126   | 6737   |               | 143.208 |              |                |              |                | 8.421        | 720.0          | 48.506       | 1030           | 89.391       | 251            | 16.890       |                |              |                | 2126         | 143.208        |
| (ii)     | West weir Na.                     | 590    | 13200  |               | 77.880  |              |                |              | 20.1           | 2.653        | 160            | 21.113       | 325            | 42.900       | 85             | 11.213       |                |              |                | 590.00       | 77.880         |
| (iii)    | Horticulture (NRM) Ha.            | 60     | 10484  |               | 6.290   |              |                |              |                |              |                | 2.000        |                | 3.000        |                | 1.290        |                |              |                |              | 6.290          |
| (II)     | (अकृषि भूमि)                      |        |        |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |
| (i)      | बरागाह विकास Ha.                  | 50     | 64544  |               | 31.822  |              |                |              | 15             | 9.682        | 20             | 12.909       | 15             | 9.232        |                |              |                |              |                | 50           | 31.822         |
| (ii)     | NADI IN P. D BLOCK                | 2      | 200000 |               | 4.000   |              |                |              |                |              | 1              | 2.000        | 1              | 2.000        |                |              |                |              |                |              | 4.000          |
| (iii)    | बरागाह विकास Ha. (Private farmer) | 250    | 5689   |               | 14.223  |              |                |              | 28             | 1.593        | 97             | 5.518        | 100            | 5.689        | 25             | 1.422        |                |              |                | 250          | 14.223         |
| (iv)     | Open Contour Trench               | 275    | 8276   |               | 22.759  |              |                |              |                | 0.000        | 50             | 4.138        | 225            | 18.621       |                |              |                |              |                | 275.00       | 22.759         |
| (IV)     | नाला उपचार कार्य                  |        |        |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |
| (i)      | Masonry Check Dam                 | 52     |        |               | 13.260  |              |                |              |                |              |                | 5.000        | 17             | 4.492        |                | 3.768        |                |              |                | 17           | 13.260         |
| (ii)     | MMS                               | 21     |        |               | 21.790  |              |                |              |                |              |                | 10.000       | 6              | 8.660        |                | 3.130        |                |              |                | 6            | 21.790         |
|          | उपयोग                             |        |        |               | 335.23  |              |                |              |                | 22.349       |                | 111.185      |                | 163.985      |                | 37.71        |                |              |                |              | 335.23         |

वर्षवार वार्षिक कार्य योजना

| क्र. सं. | गतिविधि का नाम                           | मात्रा | दर    | As Per Annex. | लागत    | 2009-10      |                | 2010-11      |                | 2011-12      |                | 2012-13      |                | 2013-14      |                | 2014-15      |                | 2015-16      |                | कुल योग      |                |              |
|----------|--|--------|-------|---------------|---------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|
|          |  |        |       |               |         | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य | वित्तीय लक्ष्य | भौतिक लक्ष्य |
| 8        | माइको उद्यम एवं आजीविका विकास कार्य      |        |       |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |
| A        | LIVE STOCK                               |        |       |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |
| (i)      | A.I. No.                                 | 3874   | 150   |               | 5.811   |              |                | 1680         | 2.520          |              |                | 1008         | 1.512          | 605          | 0.908          | 363          | 0.545          | 218          | 0.327          |              | 3874           | 5.811        |
| (ii)     | A.H. CAMP 2x2x4                          |        |       |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |
|          | एक दिवसीय                                | 16     | 10000 |               | 1.600   |              |                |              |                |              | 4              | 0.400        | 4              | 0.400        | 4              | 0.400        | 4              | 0.400        | 4              | 0.400        | 16             | 1.60         |
|          | स्वयं सहायता समूह (R/F.)                 | 63     | 10000 |               | 6.300   |              |                |              |                |              |                | 2.000        | 2.000          |              | 2.300          |              | 2.000          |              |                | 0            | 6.30           | 6.30         |
| B        | उत्पादन व्यवस्था एवं आजीविका विकास कार्य |        |       |               |         |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              |
| (i)      | खरीफ No                                  |        |       |               | 14.580  |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              | 0              | 14.580       |
| (ii)     | रबी No.                                  |        |       |               | 10.550  |              |                |              | 1.880          | 1.187        |                |              | 6.450          |              | 3.500          |              | 2.750          |              |                |              | 0              | 10.550       |
| (iii)    | फलदार पौधारोपण Ha.                       | 60     | 28630 |               | 17.178  |              |                |              |                |              |                | 20           | 6.000          | 14           | 4.100          | 16           | 6.546          | 0            | 0.532          |              | 50             | 17.178       |
| (iv.)    | वर्गी कम्पोस्ट No                        | 10     | 30000 |               | 3.000   |              |                |              |                |              |                | 7            | 2.100          | 3            | 0.900          | 0            | 0.000          |              |                |              | 10             | 3.000        |
| (v.)     | नेडप कम्पोस्ट No                         | 300    | 2000  |               | 6.000   |              |                |              |                |              |                | 97           | 1.940          | 63           | 1.260          | 55           | 1.100          | 85           | 1.700          |              | 300            | 6.000        |
| (vi.)    | कृषि भूमि (cvh Pro.) Other alu           | 391    | 1752  |               | 6.856   |              |                |              |                |              |                | 150          | 2.633          | 41           | 0.718          | 50           | 0.876          | 150          | 2.628          |              | 391.30         | 6.856        |
| (vii.)   | कृषि भूमि (cvh Pro.) Other alu+kar       | 30     | 18343 |               | 5.503   |              |                |              |                |              |                | 15           | 2.751          | 10           | 1.834          | 5            | 0.917          |              |                |              | 30             | 5.503        |
| (viii.)  | kitchen garden                           | 10     | 24454 |               | 2.445   |              |                |              |                |              |                | 5            | 1.223          | 5            | 1.223          | 0            | 0.000          |              |                |              | 10             | 2.445        |
| (ix)     | Trellis                                  | 10     | 35350 |               | 3.535   |              |                |              |                |              |                | 5            | 1.768          | 5            | 1.768          | 0            | 0.000          |              |                |              | 10             | 3.535        |
| (x)      | Nursary                                  | 1      | 0.75  |               | 0.450   |              |                |              |                |              |                |              | 0.250          |              | 0.200          |              |                |              |                |              | 0              | 0.450        |
|          | उपयोग                                    |        |       |               | 83.808  |              |                |              | 5.587          |              |                |              | 33.523         |              | 22.349         |              | 16.762         |              |                |              | 5.59           | 83.808       |
|          | कन्सोलिडेशन चरण                          |        |       |               | 16.7620 |              |                |              |                |              |                |              |                |              |                |              |                |              |                |              | 16.76          | 16.76        |
| 9        | कुल योग                                  |        |       |               | 558.72  |              |                |              | 53.08          |              |                | 173.20       |                |              | 206.73         |              | 64.25          |              |                |              | 27.94          | 558.72       |

SHAHUPURA (IWMP - IV) W/S 3/1, 15 & 16 - P.S. - SHAHPURA DISTT. BHILWARA

**ABSTRACT OF COST  
ARABLE LANDS TREATMENT PLAN**

| S. No.         | Name Of Village | G.P.     | CONTOUR BUND  |               |                 | WEST WEIR       |           |                 |
|----------------|-----------------|----------|---------------|---------------|-----------------|-----------------|-----------|-----------------|
|                |                 |          | Length        | Unit Cost / m | Cost            | No. Of Westweir | Unit Cost | Cost            |
| 1              | आंटोली          | लसाड़िया | 13195         | 60.15         | 793679.25       | 25              | 13200     | 330000          |
| 2              | देवपुरी         | लसाड़िया | 55610         | 60.15         | 3344941.5       | 109             | 13200     | 1438800         |
| 3              | कोटड़ी मीणान    | लसाड़िया | 42485         | 60.15         | 2555472.75      | 83              | 13200     | 1095600         |
| 4              | लसाड़िया        | लसाड़िया | 83547         | 60.15         | 5025352.05      | 156             | 13200     | 2059200         |
| <b>TOTAL</b>   |                 |          | <b>194837</b> |               | <b>11719446</b> | <b>373</b>      |           | <b>4923600</b>  |
| 5              | बछ खेड़ा        | बछ खेड़ा | 121900        | 60.15         | 7332285         | 217             | 13200     | 2864400         |
| <b>TOTAL</b>   |                 |          | <b>121900</b> |               | <b>7332285</b>  | <b>217</b>      |           | <b>2864400</b>  |
| <b>G.TOTAL</b> |                 |          | <b>316737</b> |               | <b>19051731</b> | <b>590</b>      |           | <b>7788000</b>  |
| <b>G.TOTAL</b> |                 |          |               |               |                 |                 |           | <b>26839731</b> |

C.V.H. PER HACT. = 316737/2828 = 112.00 M. @ 60.15 = 6737.00 PER HACT.

**AREA IN HACT. 0.40 जलग्रहण क्षेत्र में खरीफ की फसल प्रदर्शन**

| क्र. सं.           | गाँव का नाम  | ग्राम पंचायत | फसल का नाम | दर   | 2009-10        |      | 2010-11        |      | 2011-12        |               | 2012-13        |               | 2013-14        |               | 2014-15        |               | 2015-16        |               |                |                |
|--------------------|--------------|--------------|------------|------|----------------|------|----------------|------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|
|                    |              |              |            |      | कृषक की संख्या | राशि | कृषक की संख्या | राशि | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि           |
| 1                  | आटोली        | लसाड़िया     | मक्का      | 1883 |                |      |                |      | 4              | 7532          | 26             | 48958         | 16             | 30128         | 6              | 11298         |                |               |                |                |
|                    |              |              | उड़द       | 1311 |                |      |                |      |                | 0             |                | 13            | 17043          | 16            | 20976          | 7             | 9177           |               |                |                |
|                    |              |              | मूँग       | 1048 |                |      |                |      | 5              | 5240          | 36             | 37728         | 18             | 18864         | 11             | 11528         |                |               |                |                |
|                    |              |              | तिल        | 1099 |                |      |                |      | 4              | 4396          | 34             | 37366         | 10             | 10990         | 8              | 8792          |                |               |                |                |
| 2                  | देवपुरी      | लसाड़िया     | ग्वार      | 1879 |                |      |                | 7    | 13153          | 23            | 43217          | 7             | 13153          | 5             | 9395           |               |                |               |                |                |
|                    |              |              | मक्का      | 1883 |                |      |                | 5    | 9415           | 9             | 16947          | 6             | 11298          | 7             | 13181          |               |                |               |                |                |
|                    |              |              | उड़द       | 1311 |                |      |                | 6    | 7866           | 11            | 14421          | 5             | 6555           | 5             | 6555           |               |                |               |                |                |
|                    |              |              | मूँग       | 1048 |                |      |                | 0    | 0              | 8             | 8384           | 4             | 4192           | 5             | 5240           |               |                |               |                |                |
| 3                  | कोटड़ी मीणान | लसाड़िया     | तिल        | 1099 |                |      |                | 3    | 3297           | 9             | 9891           | 0             | 0              | 6             | 6594           |               |                |               |                |                |
|                    |              |              | ग्वार      | 1879 |                |      |                | 4    | 7516           | 7             | 13153          | 0             | 0              | 5             | 9395           |               |                |               |                |                |
|                    |              |              | मक्का      | 1883 |                |      |                | 8    | 15064          | 14            | 26362          | 4             | 7532           | 7             | 13181          |               |                |               |                |                |
|                    |              |              | उड़द       | 1311 |                |      |                | 4    | 5244           | 6             | 7866           | 3             | 3933           | 3             | 3933           |               |                |               |                |                |
| 4                  | लसाड़िया     | लसाड़िया     | मूँग       | 1048 |                |      |                | 4    | 4192           | 15            | 15720          | 3             | 3144           | 3             | 3144           |               |                |               |                |                |
|                    |              |              | तिल        | 1099 |                |      |                | 5    | 5495           | 6             | 6594           | 2             | 2198           | 5             | 5495           |               |                |               |                |                |
|                    |              |              | ग्वार      | 1879 |                |      |                | 7    | 13153          | 8             | 15032          | 4             | 7516           | 3             | 5637           |               |                |               |                |                |
|                    |              |              | मक्का      | 1883 |                |      |                | 7    | 13181          | 15            | 28245          | 6             | 11298          | 6             | 11298          |               |                |               |                |                |
| 5                  | बछ खेड़ा     | बछ खेड़ा     | उड़द       | 1311 |                |      |                | 6    | 7866           | 27            | 35397          |               | 0              | 5             | 6555           |               |                |               |                |                |
|                    |              |              | मूँग       | 1048 |                |      |                | 6    | 6288           | 8             | 8384           | 4             | 4192           | 5             | 5240           |               |                |               |                |                |
|                    |              |              | तिल        | 1099 |                |      |                | 6    | 6594           | 6             | 6594           | 6             | 6594           | 4             | 4396           |               |                |               |                |                |
|                    |              |              | ग्वार      | 1879 |                |      |                | 2    | 3758           | 13            | 24427          | 6             | 11274          | 6             | 11274          |               |                |               |                |                |
| <b>TOTAL</b>       |              |              |            |      |                |      |                |      | <b>93</b>      | <b>139250</b> | <b>294</b>     | <b>421729</b> | <b>120</b>     | <b>173837</b> | <b>112</b>     | <b>161308</b> |                |               |                |                |
| 5                  | बछ खेड़ा     | बछ खेड़ा     | मक्का      | 1883 |                |      |                | 8    | 15064          | 36            | 67788          | 28            | 52724          | 21            | 39543          |               |                |               |                |                |
|                    |              |              | उड़द       | 1311 |                |      |                | 5    | 6555           | 30            | 39330          | 26            | 34086          | 18            | 23598          |               |                |               |                |                |
|                    |              |              | मूँग       | 1048 |                |      |                | 7    | 7336           | 40            | 41920          | 26            | 27248          | 17            | 17816          |               |                |               |                |                |
|                    |              |              | तिल        | 1099 |                |      |                | 5    | 5495           | 40            | 43960          | 31            | 34069          | 16            | 17584          |               |                |               |                |                |
| <b>TOTAL</b>       |              |              |            |      |                |      |                |      | <b>8</b>       | <b>15032</b>  | <b>16</b>      | <b>30064</b>  | <b>15</b>      | <b>28185</b>  | <b>8</b>       | <b>15032</b>  |                |               |                |                |
| <b>GRAND TOTAL</b> |              |              |            |      |                |      |                |      | <b>126</b>     | <b>49482</b>  | <b>162</b>     | <b>223062</b> | <b>126</b>     | <b>176312</b> | <b>80</b>      | <b>113573</b> | <b>192</b>     | <b>274881</b> |                |                |
|                    |              |              |            |      |                |      |                |      |                |               |                |               |                |               |                |               |                |               |                | <b>1458553</b> |

**AREA IN HACT. 0.40 जलग्रहण क्षेत्र मे रबी की फसल प्रदर्शन**

| क्र. स.            | गाँव का नाम  | ग्राम पंचायत | फसल का नाम | दर   | 2009-10        |      | 2010-11        |      | 2011-12        |               | 2012-13        |               | 2013-14        |               | 2014-15        |               | 2015-16        |      |                |
|--------------------|--------------|--------------|------------|------|----------------|------|----------------|------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|------|----------------|
|                    |              |              |            |      | कृषक की संख्या | राशि | कृषक की संख्या | राशि | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि          | कृषक की संख्या | राशि | कृषक की संख्या |
| 1                  | आंटोली       | लसाड़िया     | गेहूँ      | 2923 |                |      |                |      | 4              | 11692         | 16             | 46768         | 10             | 29230         | 3              | 8769          |                |      |                |
|                    |              |              | चना        | 2616 |                |      |                | 5    | 13080          | 8             | 20928          | 9             | 23544          | 3             | 7848           |               |                |      |                |
|                    |              |              | सरसो       | 1319 |                |      |                | 4    | 5276           | 16            | 21104          | 18            | 23742          | 8             | 10552          |               |                |      |                |
| 2                  | देवपुरी      | लसाड़िया     | गेहूँ      | 2923 |                |      |                | 2    | 5846           | 9             | 26307          | 6             | 17538          | 4             | 11692          |               |                |      |                |
|                    |              |              | चना        | 2616 |                |      |                | 0    | 0              | 9             | 23544          | 7             | 18312          | 3             | 7848           |               |                |      |                |
|                    |              |              | सरसो       | 1319 |                |      |                | 0    | 0              | 9             | 11871          | 8             | 10552          | 0             | 0              |               |                |      |                |
| 3                  | कोटड़ी मीणान | लसाड़िया     | गेहूँ      | 2923 |                |      |                | 3    | 8769           | 8             | 23384          | 4             | 11692          | 5             | 14615          |               |                |      |                |
|                    |              |              | चना        | 2616 |                |      |                | 2    | 5232           | 6             | 15696          | 9             | 23544          | 0             | 0              |               |                |      |                |
|                    |              |              | सरसो       | 1319 |                |      |                | 6    | 7914           | 10            | 13190          | 9             | 11871          | 4             | 5276           |               |                |      |                |
| 4                  | लसाड़िया     | लसाड़िया     | गेहूँ      | 2923 |                |      |                | 0    | 0              | 10            | 29230          | 8             | 23384          | 4             | 11692          |               |                |      |                |
|                    |              |              | चना        | 2616 |                |      |                | 3    | 7848           | 8             | 20928          | 6             | 15696          | 5             | 13080          |               |                |      |                |
|                    |              |              | सरसो       | 1319 |                |      |                | 3    | 3957           | 6             | 7914           | 8             | 10552          | 5             | 6595           |               |                |      |                |
| <b>TOTAL</b>       |              |              |            |      |                |      |                |      | <b>32</b>      | <b>69614</b>  | <b>115</b>     | <b>260864</b> | <b>102</b>     | <b>219657</b> | <b>44</b>      | <b>97967</b>  |                |      |                |
| 5                  | बछ खेड़ा     | बछ खेड़ा     | गेहूँ      | 2923 |                |      |                | 9    | 26307          | 39            | 113997         | 16            | 46768          | 11            | 32153          |               |                |      |                |
|                    |              |              | चना        | 2616 |                |      |                | 6    | 15696          | 23            | 60168          | 14            | 36624          | 9             | 23544          |               |                |      |                |
|                    |              |              | सरसो       | 1319 |                |      |                | 6    | 7914           | 12            | 15828          | 14            | 18466          | 7             | 9233           |               |                |      |                |
| <b>TOTAL</b>       |              |              |            |      |                |      |                |      | <b>21</b>      | <b>49917</b>  | <b>74</b>      | <b>189993</b> | <b>44</b>      | <b>101858</b> | <b>27</b>      | <b>64930</b>  |                |      |                |
| <b>GRAND TOTAL</b> |              |              |            |      |                |      |                |      | <b>53</b>      | <b>119531</b> | <b>189</b>     | <b>450857</b> | <b>146</b>     | <b>321515</b> | <b>71</b>      | <b>162897</b> |                |      |                |

459

1054800

### DETAILED ESTIMATE OF ONE DAYS TRAINING

| S.No | Activity   | No of Trainees | Rates                             | Total Am (Rs) | Reference.  | Remark |
|------|--|----------------|-----------------------------------|---------------|---|--------|
| 1    | Meal Expenses                                    | 50             | 75/- per trainees/day             | 3750          | Cir.No; F-7(60)-नि ज. भू. स. / प्रशिक्षण / 2011.-12 / 729-814 Dt 10.05.2011 |        |
| 2    | Honorium of Resource person                      | 50             | 250/- per lecture (4 lecture/day) | 1000          | Cir.No; F-7(60)-नि ज. भू. स. / प्रशिक्षण / 2011.-12 / 729-814 Dt 10.05.2011 |        |
| 3    | POL (two days jeep Hire Charges)                 | 50             | 500/- per day                     | 1000          | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 7                  |        |
| 4    | Literature & stationary                          | 50             | 50/- per trainees                 | 2500          | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 11                 |        |
| 5    | Seating arrangement (tent, matting, chairs, etc) | 50             | 750/-                             | 750           | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 10                 |        |
| 6    | Photography, Video, Banner, A V Aids             | 50             | 500/-                             | 500           | L.S   |        |
| 7    | Miscellaneous charges                            | 50             | 0                                 | 300           | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 12                 |        |
| 8    |  |                |                                   |               |   |        |
|      | <b>TOTAL Am</b>                                  |                |                                   | <b>9800</b>   |   |        |

**DETAILED ESTIMATE OF TWO DAYS TRAINING**

| S.No | Activity   | No of Trainees | Rates                             | Total Am (Rs) | Reference.  | Remark |
|------|--|----------------|-----------------------------------|---------------|---|--------|
| 1    | Meal Expenses  | 50             | 125/- per trainees/day            | 6250          | Cir.No; F-7(60)-नि ज. भू. स. / प्रशिक्षण / 2011.-12 / 729-814 Dt 10.05.2011 |        |
| 2    | Honorium of Resource person 250x4x2                  | 50             | 250/- per lecture (4 lecture/day) | 2000          | Cir.No; F-7(60)-नि ज. भू. स. / प्रशिक्षण / 2011.-12 / 729-814 Dt 10.05.2011 |        |
| 3    | POL (three days jeep Hire Charges)                   | 50             | 500/- per day                     | 1500          | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 7                  |        |
| 4    | One Day Bus Hire Charge for side visit within 300 km | 50             | 0.42/-per km / member             | 6300          |   |        |
| 5    | Literature & stationary                              | 50             | 100/- per trainees                | 5000          | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 11                 |        |
| 6    | Seating arrangement (tent, matting, chairs, et c)    | 50             | 1500/-                            | 1500          | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 10                 |        |
| 7    | Photography, Video, Banner, A V Aids                 | 50             | For two days                      | 900           | L.S   |        |
| 8    | Miscellaneous charges                                | 50             | 0                                 | 500           | Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 12                 |        |
| 9    |  |                |                                   |               |   |        |
|      |  |                | <b>TOTAL AM</b>                   | <b>23950</b>  |   |        |

**PRAPOSED ESTIMATE FOR EDUCATIONAL TOUR UNDER WATERSHED DEVELOPMENT PROGRAME (WITH IN DISTT.)**

**PARTICIPANTS-50**

**DURATION-SEVEN NIGHT & SIX DAYS**

**TOTAL DISTANCE- 1800KM**

| <b>S.No</b> | <b>HEAD</b>   | <b>UNIT CHARGES</b> | <b>No. OF Participants</b> | <b>Amount Rs</b> | <b>Remarks</b> |
|-------------|---|---------------------|----------------------------|------------------|----------------|
| 1           | Travelling Allowances & Local                       | 756                 | 50                         | 37800            |                |
| 2           | Daily Allowances for loading & boarding of trainees | 125x6               | 50                         | 37500            |                |
| 3           | Stationery & training material (per trainees)       | 150                 | 50                         | 7500             |                |
| 4           | D.A. of Resource person with the tour               | 250                 | 6                          | 1500             |                |
| 5           | POL (seven days jeep Hire Charges)                  | 500                 | 7 Days                     | 3500             |                |
| 6           | Expenses  | 1360                | 0                          | 1360             |                |
| 7           |   |                     |                            |                  |                |
|             |   |                     | <b>TOTAL Am</b>            | <b>89160</b>     |                |

**DETAILED ESTIMATE OF PADYATRA (Rally)**

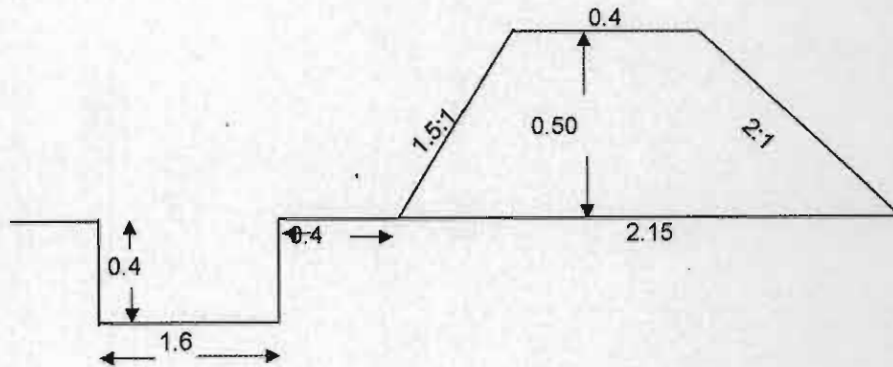
| S.No | Activity   | No of Trainees | Rates                 | Total Am (Rs) | Remark |
|------|--|----------------|-----------------------|---------------|--------|
| 1    | Meal Expenses  | 100            | 75/- per trainees/day | 7500          |        |
| 2    | POL (two days Two jeep Hire Charges)                   | 100            | 500/- per day         | 2000          |        |
| 3    | One Day small truck Hire Charge for Rally              | 100            | 1000/- per day        | 1000          |        |
| 4    | Two day tractor Hire Charge for Rally min. 4 tractor   | 100            | 1000/- per day        | 8000          |        |
| 5    | Material for construction of model                     | 100            | L S                   | 2000          |        |
| 6    | Literature & stationary for Exivation                  | 100            | 100/- per trainees    | 10000         |        |
| 7    | Seating arrangement (tent, matting, chairs, mike, etc) | 100            | 2000/-                | 2000          |        |
| 8    | Photography, Video                                     | 100            | For one days          | 750           | L.S    |
| 9    | Purchase of Banner                                     | 100            | 20 No of Banner       | 4000          | L.S    |
| 10   | Expenditure for Break fast                             | 100            | 50/- per trainees/day | 5000          |        |
| 11   | Water tanker for Drinking                              | 100            | 500/- per day         | 500           |        |
| 12   | Miscellaneous charges                                  | 100            | L.S                   | 2000          |        |
| 13   |  |                |                       |               |        |
|      |  |                | <b>TOTAL AM</b>       | <b>44750</b>  |        |

**MODEL ESTIMATE OF ARABLE LAND (SEMI PUCCA BUND )**

| A      | Cross section of bund-  | 0.64     | Sqm  |             | Top Width          |                | 0.4            |
|--------|---|----------|------|-------------|--------------------|----------------|----------------|
| B      | Length -  | 100      | Rmt  |             | Bottom Width       |                | 2.15           |
|        |   |          |      |             | Height             |                | 0.5            |
| S. No. | Item  | Quantity | Unit | Labour Rate | Total Rate         | Labour Amount  | Total Amount   |
| 1      | Dug belling work up to 5-7 cm depth<br>4x100=400m   | 400      | Rm   | 1.00        | 1.00               | 400.00         | 400.00         |
| 2      | Earth work in hard soil for construction of bund including ramming compaction and dressing up to the lead of 50m and lift 1.5 m 0.64x100=64 cum | 64       | Cum  | 85.00       | 85.00              | 5440.00        | 5440.00        |
|        | <b>Total</b>  |          |      |             |                    | <b>5840.00</b> | <b>5840.00</b> |
|        | <b>Say Rs</b>   |          |      |             |                    | <b>5840</b>    | <b>5840</b>    |
|        |   |          |      |             | Contingency @ 3%   |                | 175            |
|        |   |          |      |             | <b>Grand Total</b> |                | <b>6015</b>    |
|        |   |          |      |             | <b>Say am</b>      |                | <b>6015</b>    |
|        |   |          |      |             | <b>Per Rmt</b>     | <b>60.15</b>   |                |

Average length per Rm/Ha = 112 Rm

Per Ha Cost ~~6736.80~~  
Say am | **6737**



**Modal estimate of wasteweir in arale land**

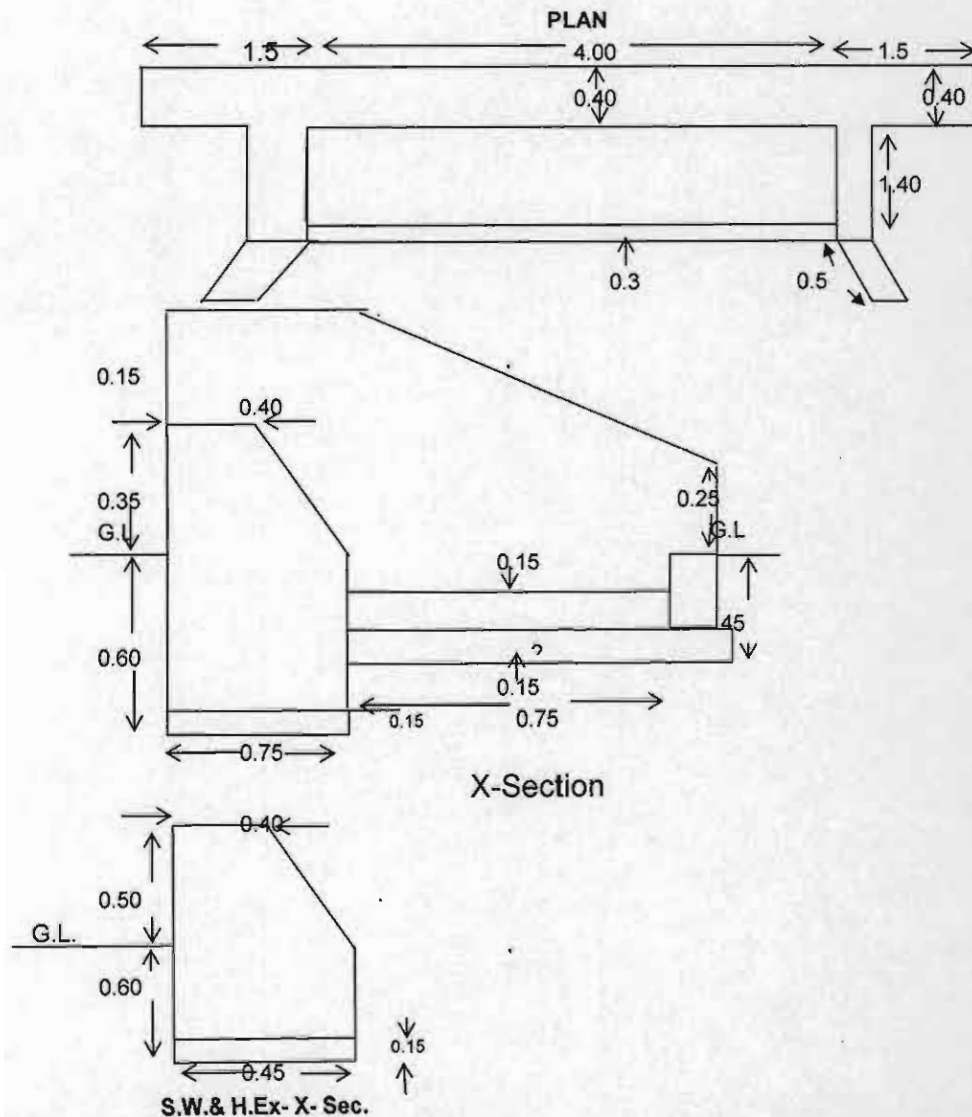
**ABSTRACT OF COST**

Name of work :-WHS :-Waste weir

| S.No | Particular   | Qty.  | Rate Per    | Amount          | Labour Rate | L.Amount       |
|------|--|-------|-------------|-----------------|-------------|----------------|
| 1    | Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and lift of 1.5m including dressing etc complete | 5.58  | 85.00 cum   | 474.30          | 85.00       | 474.3          |
| 4    | cement concrete well mixed in cement mortar(1:4:8) laid in position complete including curing Aggregate size upto 50mm. HB                     | 1.55  | 1643.00 cum | 2550.76         | 287.60      | 446.499        |
| 5    | Random rubble stone masonry in cement sand mortar(1:6) for foundation  | 3.58  | 1313.00 cum | 4697.26         | 189.00      | 676.148        |
| 6    | Random rubble stone masonry in cement sand mortar(1:6) for super structure   | 1.85  | 1455.00 cum | 2684.48         | 236.30      | 435.974        |
| 8    | Cement plaster including smooth finishing in cement mortar (1:4)25mm thick   | 11.77 | 138.00 cum  | 1623.57         | 25.70       | 302.361        |
| 9    | Cement concrete coping in cement mortar 1:2:4.100mm thick  | 0.27  | 2694.00 cum | 732.77          | 312.00      | 84.864         |
|      | <b>TOTAL</b>   |       |             | <b>12763.13</b> |             | <b>2420.14</b> |
| 6    | Rehandling of cement beyond 100 m initial lead lead up to 200  | 0.88  | 85.00       | 75.11           | 85.00       | 75.11          |
|      | <b>TOTAL</b>   |       |             | <b>12838.24</b> |             | <b>2495.25</b> |
|      | EXTRA Add 35% lebour rate increase   |       |             |                 |             | 0.00           |
|      | <b>TOTAL</b>   |       |             | <b>12838.24</b> |             | <b>2495.25</b> |
|      | METARIAL   |       |             | 10342.98        | SAY         | 0.10           |
|      | LABOUR   |       |             | 2495.25         | SAY         | 0.02           |
|      | <b>TOTAL</b>   |       |             | <b>12838.24</b> |             |                |
|      | Add 3% Contingency Charges   |       |             | 385.15          |             |                |
|      | <b>TOTAL Rs.</b>   |       |             | <b>13223.39</b> |             |                |
|      |  |       |             |                 | Say         | 0.13200        |

### MATERIAL CONSUMPTION STATEMENT

| NAME OF WORK : RAIN WATER HARVESTING STRUCTURE |  |       |              | WASTE WEIR  |             |      |             |
|--|--|-------|--------------|-------------|-------------|------|-------------|
| S.no   | Particular   | Qty.  | Cement       | Sand        | Aggregate   |      | Stone       |
|  |  |       | Bags         | Cum         | 50mm        | 20mm | Cum         |
| 1  | Cement concrete (1:3:6) mm HB (cum) 4.05,0.43,0.86                         | 1.55  | 6.29         | 0.67        | 1.34        |      |             |
| 2  | R R stone masonry (1:6) Foundation/ Super structure (cum) 1.40, 0.30, 1.10 | 5.42  | 7.59         | 1.63        |             |      | 5.96        |
| 3  | Cement plaster (1:6)25 mm thick (sqm) 0.153 0.03                           | 11.77 | 1.80         | 0.35        |             |      |             |
| 4  | Raised & cut pointing (sqm) 0.032, 0.0043                                  |       |              |             |             |      |             |
| 5  | Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20               |       |              |             |             |      |             |
| 6  | Cement concrete coping in cement mortar 1:1.5:3.75 mm thick 7.33,0.40,0.78 | 0.27  | 1.99         | 0.11        | 0.21        |      |             |
| 7  | Dry stone pitching   |       |              |             |             |      |             |
|  | <b>TOTAL</b>   |       | <b>17.67</b> | <b>2.76</b> | <b>1.55</b> |      | <b>5.96</b> |
| SAY  |  |       | 18 BAGS      | 0.88 MT     |             |      |             |



## MODEL ESTIMATE OF HORTICULTURE PLANTATION

### Aawla Plantation NRM

Total plant 156 No

| S.N          | Details of work   | Qty   | Unit | Rate  |       | Amount         |                |
|--------------|---|-------|------|-------|-------|----------------|----------------|
| 1            | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 78.98 | cum  | 73.80 | 81.00 | 5828.36        | 6396.98        |
| 2            | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25  | cum  | 73.80 | 81.00 | 166.05         | 182.25         |
| <b>Total</b> |   |       |      |       |       | <b>5994.41</b> | <b>6579.23</b> |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना 2568.603 2568.60

योग **8563 9147.83**

जोड़े 3 % पानी वाला, आया 256.89 256.89

योग **8820 9404.72**

जोड़ 2 % कन्टिन जैसी 188.09

कुल योग 9593

**SAY** 9600

लागत श्रम मद में **8820**

लागत सामग्री मद में **780**

कुल योग **9600**

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**  
**Aawla Plant MNREGS**

Total plant 156 No C/C 8mx8m  
Thor fencing 100 Rmt/Ha  
Thor Danda 700 per ha

| S.N | Details of work  | Qty    | Unit          | Rate  |        | Amount          |                 |
|-----|--|--------|---------------|-------|--------|-----------------|-----------------|
|     |  |        |               | Lc    | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 0.88  | 0.88   | 0.88            | 0.88            |
| 2   | Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt   | 700.00 | Per 100 stick | 65.50 | 165.00 | 458.50          | 1155.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 25.30 | 96.5   | 177.10          | 675.50          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 65.50 | 67.4   | 458.50          | 471.80          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93  | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |       |        | 0.00            |                 |
| a   | Through chemicals  | 156    | Per plant     | 0.49  | 0.49   | 76.44           | 76.44           |
| b   | Through mannure  | 156    | Per plant     | 0.24  | 0.24   | 37.44           | 37.44           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 6.50  | 6.50   | 1014.00         | 1014.00         |
| 8   | Cost of Plant including transportation (15+2)=17 2)  | 156    | Per plant     | 0.00  | 21.00  | 0.00            | 3276.00         |
| 9   | Making of thanwala,of 50 cm radius   | 156    | Per plant     | 2.10  | 2.10   | 327.60          | 327.60          |
| 10  | Watering of plant, 15 lit per plant five times in the year (156x5x3)                             | 2340   | Per plant     | 1.55  | 1.55   | 3627.00         | 3627.00         |
| 11  | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00  | 450    | 0.00            | 3948.75         |
| 12  | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.10  | 1.10   | 1544.40         | 1544.40         |
| 13  | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50  | 2.00   | 78.00           | 312.00          |
| 14  | Cost of Chemical including transportation  | 156    | Per plant     | 0.50  | 1.00   | 78.00           | 156.00          |
|     | <b>Total</b>   |        |               |       |        | 8570.86         | 17315.81        |
| 15  | Gap filling 20%  |        |               |       |        | 1714.172        | 3463.16         |
|     | <b>Total</b>   |        |               |       |        | <b>10285.03</b> | <b>20778.97</b> |

|  |  |          |          |
|--|--|----------|----------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना |  | 4407.136 | 4407.14  |
| योग  |  | 14692    | 25186.11 |
| जोड़े 3 % पानी वाला, आया                               |  | 440.77   | 440.77   |
| योग  |  | 15133    | 25626.87 |
| जोड़ 2 % कन्टिन जैसी                                   |  |          | 512.54   |
| कुल योग  |  |          | 26139    |
| <b>SAY,</b>  |  |          | 26200    |
| लागत श्रम मद में                                       |  |          | 15130    |
| लागत सामग्री मद में                                    |  |          | 11070    |
| कुल योग  |  |          | 26200    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**  
**Anar Plants**

Total plant 156 No

| S.N          | Details of work   | Qty   | Unit | Rate  |       | Amount         |                |
|--------------|---|-------|------|-------|-------|----------------|----------------|
| 1            | Excavation of earth work in hard soil for digging of pits, 0.75 x 0.75 x 0.90 = 0.5062cum | 78.98 | cum  | 73.80 | 81.00 | 5828.36        | 6396.98        |
| 2            | Excavation of earth work for thor fencing pit size 0.15x0.15m                             | 2.25  | cum  | 73.80 | 81.00 | 166.05         | 182.25         |
| <b>Total</b> |   |       |      |       |       | <b>5994.41</b> | <b>6579.23</b> |

|  |                     |             |                |
|--|---------------------|-------------|----------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना |                     | 2568.603    | 2568.60        |
| योग  |                     | <b>8563</b> | <b>9147.83</b> |
| जोड़े 3 % पानी वाला आया                                |                     | 256.89      | 256.89         |
| योग  |                     | <b>8820</b> | <b>9404.72</b> |
| जोड़ 2 % कन्टिन जैसी                                   |                     |             | 188.09         |
| कुल योग  |                     |             | 9593           |
| <b>SAY</b>   |                     |             | 9600           |
|  | लागत श्रम मद में    |             | <b>8820</b>    |
|  | लागत सामग्री मद में |             | <b>780</b>     |
|  | कुल योग             |             | <b>9600</b>    |

## MODEL ESTIMATE OF HORTICULTURE PLANTATION

### Guava Plants

Total plant 277 No

| S.N          | Details of work   | Qty    | Unit | Rate  |       | Amount         |                |
|--------------|---|--------|------|-------|-------|----------------|----------------|
| 1            | Excavation of earth work in hard soil for digging of pits, 0.75 x 0.75 x 0.90 = 0.5062cum | 140.23 | cum  | 73.80 | 81.00 | 10349.1        | 11358.7        |
| 2            | Excavation of earth work for thor fencing pit size 0.15x0.15m                             | 2.25   | cum  | 73.80 | 81.00 | 166.05         | 182.25         |
| <b>Total</b> |   |        |      |       |       | <b>10515.1</b> | <b>11541.0</b> |

|  |                     |              |                 |
|--|---------------------|--------------|-----------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना |                     | 4505.727     | 4505.73         |
| योग  |                     | <b>15021</b> | <b>16046.71</b> |
| जोड़े 3 % पानी वाला आया                                |                     | 450.63       | 450.63          |
| योग  |                     | <b>15471</b> | <b>16497.33</b> |
| जोड़ 2 % कन्टिन जैसी                                   |                     |              | 329.95          |
| कुल योग  |                     |              | 16827           |
| <b>SAY</b>   |                     |              | 16900           |
|  | लागत श्रम मद में    |              | <b>15470</b>    |
|  | लागत सामग्री मद में |              | <b>1430</b>     |
|  | कुल योग             |              | <b>16900</b>    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**  
**guava Plant MNREGS**

Total plant 277 No C/C 6mx6m  
Thor fencing 100 Rmt/Ha  
Thor Danda 700 per ha

| S.N | Details of work  | Qty    | Unit          | Rate  |        | Amount          |                 |
|-----|--|--------|---------------|-------|--------|-----------------|-----------------|
|     |  |        |               | Lc    | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 0.88  | 0.88   | 88.00           | 88.00           |
| 2   | Supply and cutting of 80 cm thor sticks. ( 7 Danda /-Rmt)  | 700.00 | Per 100 stick | 65.50 | 165.00 | 458.50          | 1155.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 25.30 | 96.50  | 177.10          | 675.50          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 65.50 | 67.4   | 458.50          | 471.80          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93  | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |       |        | 0.00            |                 |
| a   | Through chemicals  | 277    | Per plant     | 0.49  | 0.49   | 135.73          | 135.73          |
| b   | Through mannure  | 277    | Per plant     | 0.24  | 0.24   | 66.48           | 66.48           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 277    | Per plant     | 6.50  | 6.50   | 1800.50         | 1800.50         |
| 8   | Cost of Plant including transportation (16+2=18)   | 277    | Per plant     | 0.00  | 18.00  | 0.00            | 4986.00         |
| 9   | Making of thanwala,of 50 cm radius   | 277    | Per plant     | 2.10  | 2.10   | 581.70          | 581.70          |
| 10  | Watering of plant,15 lit per plant five times in the year (277x5x3=4155)                         | 4155   | Per plant     | 1.55  | 1.55   | 6440.25         | 6440.25         |
| 11  | Cost of water including transportation (277x5x3x15=62325)  | 62325  | 4000 litre    | 0.00  | 450    | 0.00            | 7011.56         |
| 12  | Weeding & hoeing three times in the year (277x3x3=2493)  | 2493   | Per plant     | 1.10  | 1.10   | 2742.30         | 2742.30         |
| 13  | Cost of Mannure including transportation   | 277    | Per Kg        | 0.50  | 2.00   | 138.50          | 554.00          |
| 14  | Cost of Chemical including transportation  | 277    | Per plant     | 0.50  | 1.00   | 138.50          | 277.00          |
|     | <b>Total</b>   |        |               |       |        | 13919.06        | 27678.82        |
| 15  | Gap filling 20%  |        |               |       |        | 2783.812        | 5535.76         |
|     | <b>Total</b>   |        |               |       |        | <b>16702.87</b> | <b>33214.59</b> |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना 7157.181 7157.18  
योग 23860 40371.77  
जोड़े 3 % पानी वाला आया 715.80 715.80  
योग 24576 41087.57  
जोड़ 2 % कन्टिन जैसी 821.75  
कुल योग 41909  
**SAY** 42000  
लागत श्रम मद में 24580  
लागत सामग्री मद में 17420  
कुल योग 42000

## MODEL ESTIMATE OF ALOVERA PLANTATION

District - Bhilwara, State - Rajasthan, India

| Name of work:- |   | Aloevera plantation |           |         |       |               |                |
|----------------|---|---------------------|-----------|---------|-------|---------------|----------------|
| No of plants:- |   | 150                 |           | Spacing |       | 2.0 m         |                |
|                |   |                     |           | Rate    |       | Amount        |                |
| S. No.         | Item  | Quantity            | Unit      | Lc      | Total | Lc            | Total          |
|                | <b>Aloevera plantation</b>  |                     |           |         |       |               |                |
| 1              | Cost of Aloevera Plant Including Transporting, Loading & unloading. | 150                 | Per Plant | 0       | 4.83  | 0.00          | 724.50         |
| 2              | Plantation work of plant 150X0.6=90Rmt                              | 90                  | Per Rmt   | 7.985   | 8.82  | 718.65        | 793.80         |
|                | <b>Total</b>  |                     |           |         |       | <b>718.65</b> | <b>1518.30</b> |

|  |                       |             |
|--|-----------------------|-------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना | 307.942               | 307.94      |
| योग  |                       | <b>1027</b> |
| जोड़े 3 % पानी वाला आया                                | 30.80                 | 30.80       |
| योग  |                       | <b>1057</b> |
| जोड़ 2 % कन्टिन जैसी                                   |                       | 37.14       |
| कुल योग  |                       | 1894        |
| <b>SAY</b>   |                       | 1900        |
|  | लागत श्रम मद में      | <b>1060</b> |
|  | प्रागत सामग्री मद में | <b>840</b>  |
|  | कुल योग               | <b>1900</b> |

| MODEL ESTIMATE OF AGRO FORESTRY               |   |                 |                |         |        |                |                 |
|---|---|-----------------|----------------|---------|--------|----------------|-----------------|
| District - Bhilwara, State - Rajasthan, India |   |                 |                |         |        |                |                 |
|   | Name of work:-  | Karonda fencing |                |         |        |                |                 |
|   | No of plants:-  | 150             |                | Spacing |        | 2mx2m          |                 |
| S.no  | Item  | Quantity        | Unit           | Rate    |        | Amount         |                 |
|   |   |                 |                | Lc      | Total  | Lc             | Total           |
|   | <b>Karonda Fencing</b>  |                 |                |         |        |                |                 |
| 1   | E/w Excavation for pit in hard soil in top of bund + 10% extra for different position | 150             | No             | 6.6     | 6.6    | 990.00         | 990.00          |
| 2   | Cost of Karonda Plant Including Transporting, Loading & unloading. (6+2=8)            | 150             | Per Plant      | 0       | 8.00   | 0.00           | 1200.00         |
| 3   | Plantation work of plant  | 150             | Per Plant      | 6.5     | 6.50   | 975.00         | 975.00          |
| 4   | <b>Watering Charges (three year)</b><br>3x5=15Nox150=2250<br>Nox15=33750              |                 |                |         |        |                |                 |
| A   | Cost of water including Transporting  | 33750           | 4000 Per Litre | 0       | 450.00 | 0.00           | 3796.88         |
| B   | Watering charges (150X15=2250)  | 2250            | Per Plant      | 1.55    | 1.55   | 3487.50        | 3487.50         |
| 5   | <b>Treatment of pit</b>   |                 |                |         |        |                |                 |
| A   | Cost of FYM   | 150             | Per Plant      | 0       | 1.00   | 0.00           | 150.00          |
| B   | Cost of Andosulphane  | 150             | Per Plant      | 0       | 0.50   | 0.00           | 75.00           |
| C   | Cost of Clorophyropas 2ml per plant   | 0.30            | Per Litre      | 0       | 350.00 | 0.00           | 105.00          |
| D   | Labour charge for treatment (0.49+0.24=0.73)  | 150             | Per Plant      | 0.73    | 0.73   | 109.50         | 109.50          |
| 6   | Weeding & Hoeing of plant in three year 2x3=6No x150 =900                             | 900             | Per Plant      | 1.1     | 1.10   | 990.00         | 990.00          |
|   | <b>Total</b>  |                 |                |         |        | 6552.00        | 11878.88        |
| 7   | Gap filling 20%   |                 |                |         |        | 1310.40        | 2375.78         |
|   | <b>Total</b>  |                 |                |         |        | <b>7862.40</b> | <b>14254.65</b> |
|   | <b>Aloevera plantation</b>  |                 |                |         |        |                |                 |
| 8   | Cost of Aloevera Plant Including Transporting, Loading & unloading.                   | 150             | Per Plant      | 0       | 4.83   | 0.00           | 724.50          |
| 9   | Plantation work of plant 1 mX1 m spacing  | 150             | Per Rmt        | 7.985   | 8.82   | 1197.75        | 1323.00         |
|   | <b>Total</b>  |                 |                |         |        | 1197.75        | 2047.50         |
|   | <b>Grand Total</b>  |                 |                |         |        | 9060.15        | 16302.15        |

|  |          |          |
|--|----------|----------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना | 3882.274 | 3882.27  |
| योग  | 12942    | 20184.42 |
| जोड़े 3 % पानी वाला आया                                | 388.27   | 388.27   |
| योग  | 13331    | 20572.70 |
| जोड़ 2 % कन्टिन जैसी                                   |          | 411.45   |
| कुल योग  |          | 20984    |
| <b>SAY</b>   |          | 21000    |
| लागत श्रम मद में                                       |          | 13330    |
| लागत सामग्री मद में                                    |          | 7670     |
| कुल योग  |          | 21000    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Anar Plant MNREGS**

|              |     |        |     |       |
|--------------|-----|--------|-----|-------|
| Total plant  | 156 | No     | C/C | 8mx8m |
| Thor fencing | 100 | Rmt/Ha |     |       |
| Thor Danda   | 700 | per ha |     |       |

| S.N | Details of work  | Qty    | Unit          | Rate  |        | Amount          |                 |
|-----|--|--------|---------------|-------|--------|-----------------|-----------------|
|     |  |        |               | Lc    | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 0.88  | 0.88   | 0.88            | 0.88            |
| 2   | Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt   | 700.00 | Per 100 stick | 65.50 | 165.00 | 458.50          | 1155.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 25.30 | 96.5   | 177.10          | 675.50          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 65.50 | 67.4   | 458.50          | 471.80          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93  | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |       |        | 0.00            |                 |
| a   | Through chemicals  | 156    | Per plant     | 0.49  | 0.49   | 76.44           | 76.44           |
| b   | Through mannure  | 156    | Per plant     | 0.24  | 0.24   | 37.44           | 37.44           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 6.50  | 6.50   | 1014.00         | 1014.00         |
| 8   | Cost of Plant including transportation (14+2)=16   | 156    | Per plant     | 0.00  | 16.00  | 0.00            | 2496.00         |
| 9   | Making of thanwala,of 50 cm radius   | 156    | Per plant     | 2.10  | 2.10   | 327.60          | 327.60          |
| 10  | Watering of plant, 15 lit per plant five times in the year (156x5x3)                             | 2340   | Per plant     | 1.55  | 1.55   | 3627.00         | 3627.00         |
| 11  | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00  | 450    | 0.00            | 3948.75         |
| 12  | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.10  | 1.10   | 1544.40         | 1544.40         |
| 13  | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50  | 2.00   | 78.00           | 312.00          |
| 14  | Cost of Chemical including transportation  | 156    | Per plant     | 0.50  | 1.00   | 78.00           | 156.00          |
|     | <b>Total</b>   |        |               |       |        | 8570.86         | 16535.81        |
| 15  | Gap filling 20%  |        |               |       |        | 1714.172        | 3307.16         |
|     | <b>Total</b>   |        |               |       |        | <b>10285.03</b> | <b>19842.97</b> |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना

4407.136 4407.14

योग

14692 24250.11

जोड़े 3 % पानी वाला आया

440.77 440.77

योग

15133 24690.87

जोड़ 2 % कन्टिन जैसी

493.82

कुल योग

25185

**SAY**

25200

लागत श्रम मद में

15130

लागत सामग्री मद में

10070

कुल योग

25200

## MODEL ESTIMATE OF HORTICULTURE PLANTATION

### Nimbu Plants NRM

Total plant 277 No

| S.N          | Details of work   | Qty    | Unit | Rate  |       | Amount         |                |
|--------------|---|--------|------|-------|-------|----------------|----------------|
| 1            | Excavation of earth work in hard soil for digging of pits, 0.75 x 0.75 x 0.90 = 0.5062cum | 140.23 | cum  | 73.80 | 81.00 | 10349.1        | 11358.7        |
| 2            | Excavation of earth work for thor fencing pit size 0.15x0.15m                             | 2.25   | cum  | 73.80 | 81.00 | 166.05         | 182.25         |
| <b>Total</b> |   |        |      |       |       | <b>10515.1</b> | <b>11541.0</b> |

|  |              |                 |
|--|--------------|-----------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना | 4505.727     | 4505.73         |
| योग  | <b>15021</b> | <b>16046.71</b> |
| जोड़े 3 % पानी वाला आया                                | 450.63       | 450.63          |
| योग  | <b>15471</b> | <b>16497.33</b> |
| जोड़ 2 % कन्टिन जैसी                                   |              | 329.95          |
| कुल योग  |              | 16827           |
| <b>SAY</b>   |              | 16900           |
| लागत श्रम मद में                                       |              | <b>15470</b>    |
| लागत सामग्री मद में                                    |              | <b>1430</b>     |
| कुल योग  |              | <b>16900</b>    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Nimbu Plantation Production**

|              |     |        |     |       |
|--------------|-----|--------|-----|-------|
| Total plant  | 277 | No     | C/C | 6mx6m |
| Thor fencing | 100 | Rmt/Ha |     |       |
| Thor Danda   | 700 | per ha |     |       |

| S.N | Details of work  | Qty    | Unit          | Rate  |        | Amount          |                 |
|-----|--|--------|---------------|-------|--------|-----------------|-----------------|
|     |  |        |               | Lc    | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 0.88  | 0.88   | 88.00           | 88.00           |
| 2   | Supply and cutting of 80 cm thor sticks. ( 7 Danda /-Rmt)  | 700.00 | Per 100 stick | 65.50 | 165.00 | 458.50          | 1155.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 25.30 | 96.50  | 177.10          | 675.50          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 65.50 | 67.40  | 458.50          | 471.80          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93  | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |       |        | 0.00            |                 |
| a   | Through chemicals  | 277    | Per plant     | 0.49  | 0.49   | 135.73          | 135.73          |
| b   | Through manure   | 277    | Per plant     | 0.24  | 0.24   | 66.48           | 66.48           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 277    | Per plant     | 6.50  | 6.50   | 1800.50         | 1800.50         |
| 8   | Cost of Plant including transportation (7+2=9)   | 277    | Per plant     | 0.00  | 9.00   | 0.00            | 2493.00         |
| 9   | Making of thanwala,of 50 cm radius   | 277    | Per plant     | 2.10  | 2.10   | 581.70          | 581.70          |
| 10  | Watering of plant,15 lit per plant five times in the year (277x5x3=4155)                         | 4155   | Per plant     | 1.55  | 1.55   | 6440.25         | 6440.25         |
| 11  | Cost of water including transportation (277x5x3x15=62325)  | 62325  | 4000 litre    | 0.00  | 450    | 0.00            | 7011.56         |
| 12  | Weeding & hoeing three times in the year (277x3x3=2493)  | 2493   | Per plant     | 1.10  | 1.10   | 2742.30         | 2742.30         |
| 13  | Cost of Mannure including transportation   | 277    | Per Kg        | 0.50  | 2.00   | 138.50          | 554.00          |
| 14  | Cost of Chemical including transportation  | 277    | Per plant     | 0.50  | 1.00   | 138.50          | 277.00          |
|     | <b>Total</b>   |        |               |       |        | 13919.06        | 25185.82        |
| 15  | Gap filling 20%  |        |               |       |        | 2783.812        | 5037.16         |
|     | <b>Total</b>   |        |               |       |        | <b>16702.87</b> | <b>30222.99</b> |

|  |                     |              |                 |
|--|---------------------|--------------|-----------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना |                     | 7157.180652  | 7157.18         |
| योग  |                     | <b>23860</b> | <b>37380.17</b> |
| जोड़े 3 % पानी वाला, आया                               |                     | 715.80       | 715.80          |
| योग  |                     | <b>24576</b> | <b>38095.97</b> |
| जोड़ 2 % कन्टिन जैसी                                   |                     |              | 761.92          |
| कुल योग  |                     |              | 38858           |
| <b>SAY</b>   |                     |              | 38900           |
|  | लागत श्रम मद में    |              | 24580           |
|  | लागत सामग्री मद में |              | 14320           |
|  | कुल योग             |              | <b>38900</b>    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**  
**Orange Plantation NRM**

Total plant 156 No

| S.N | Details of work   | Qty   | Unit | Rate  |       | Amount         |                |
|-----|---|-------|------|-------|-------|----------------|----------------|
| 1   | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 78.98 | cum  | 73.80 | 81.00 | 5828.36        | 6396.98        |
| 2   | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25  | cum  | 73.80 | 81.00 | 166.05         | 182.25         |
|     | <b>Total</b>  |       |      |       |       | <b>5994.41</b> | <b>6579.23</b> |

|  |             |                |
|--|-------------|----------------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना | 2568.603    | 2568.60        |
| योग  | <b>8563</b> | <b>9147.83</b> |
| जोड़े 3 % पानी वाला आया                                | 256.89      | 256.89         |
| योग  | <b>8820</b> | <b>9404.72</b> |
| जोड़ 2 % कन्टिन जैसी                                   |             | 188.09         |
| कुल योग  |             | 9593           |
| <b>SAY</b>   |             | 9600           |
| लागत श्रम मद में                                       |             | <b>8820</b>    |
| लागत सामग्री मद में                                    |             | <b>780</b>     |
| कुल योग  |             | <b>9600</b>    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Orange Plant**

|              |     |        |     |       |
|--------------|-----|--------|-----|-------|
| Total plant  | 156 | No     | C/C | 8mx8m |
| Thor fencing | 100 | Rmt/Ha |     |       |
| Thor Danda   | 700 | per ha |     |       |

| S.N | Details of work  | Qty    | Unit          | Rate  |        | Amount          |                 |
|-----|--|--------|---------------|-------|--------|-----------------|-----------------|
|     |  |        |               | Lc    | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 0.88  | 0.88   | 88.00           | 88.00           |
| 2   | Supply and cutting of 80 cm thor sticks. ( 7 Danda /-Rmt)  | 700.00 | Per 100 stick | 65.50 | 165.00 | 458.50          | 1155.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 25.30 | 96.50  | 177.10          | 675.50          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 65.50 | 67.40  | 458.50          | 471.80          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93  | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |       |        |                 |                 |
| a   | Through chemicals  | 156    | Per plant     | 0.49  | 0.49   | 76.44           | 76.44           |
| b   | Through mannure  | 156    | Per plant     | 0.24  | 0.24   | 37.44           | 37.44           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 6.50  | 6.50   | 1014.00         | 1014.00         |
| 8   | Cost of Plant including transportation (20+2=22)   | 156    | Per plant     | 0.00  | 22.00  | 0.00            | 3432.00         |
| 9   | Making of thanwala,of 50 cm rarious  | 156    | Per plant     | 2.10  | 2.10   | 327.60          | 327.60          |
| 10  | Watering of plant,15 lit per plant five times in the year (156x5x3=2340)                         | 2340   | Per plant     | 1.55  | 1.55   | 3627.00         | 3627.00         |
| 11  | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00  | 450    | 0.00            | 3948.75         |
| 12  | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.10  | 1.10   | 1544.40         | 1544.40         |
| 13  | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50  | 2.00   | 78.00           | 312.00          |
| 14  | Cost of Chemical including transportation  | 156    | Per plant     | 0.50  | 1.00   | 78.00           | 156.00          |
|     | <b>Total</b>   |        |               |       |        | 8657.98         | 17558.93        |
| 15  | Gap filling 20%  |        |               |       |        | 1731.696        | 3511.79         |
|     | <b>Total</b>   |        |               |       |        | <b>10389.58</b> | <b>21070.72</b> |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना

|                         |                     |              |                 |
|-------------------------|---------------------|--------------|-----------------|
|                         |                     | 4451.93      | 4451.93         |
|                         | योग                 | <b>14842</b> | <b>25522.65</b> |
| जोड़े 3 % पानी वाला आया |                     | 445.25       | 445.25          |
|                         | योग                 | <b>15287</b> | <b>25967.89</b> |
| जोड़ 2 % कन्टिन जैसी    |                     |              | 519.36          |
|                         | कुल योग             |              | 26487           |
|                         | <b>SAY</b>          |              | 26500           |
|                         | लागत श्रम मद में    |              | 15290           |
|                         | लागत सामग्री मद में |              | 11210           |
|                         | कुल योग             |              | <b>26500</b>    |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

Aawla NRM

Total plant 156 No

| S.N | Details of work   | Qty   | Rate  | Unit | Amount         |
|-----|---|-------|-------|------|----------------|
| 1   | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 78.98 | 91.00 | cum  | 7186.73        |
| 2   | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25  | 91.00 | cum  | 204.75         |
|     | <b>Total</b>  |       |       |      | <b>7391.48</b> |
|     | <b>Say Rs</b>   |       |       |      | <b>7391</b>    |
|     | Contengency 3%  |       |       |      | 222            |
|     | <b>Grand Total</b>  |       |       |      | <b>7613</b>    |

Say Rs 7700 Per Ha

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Aawla Plant Production**

Total plant 156 No C/C 8mx8m  
 Thor fencing 100 Rmt/Ha  
 Thor Danda 700 per ha

| S.N | Details of work  | Qty    | Unit          | Rate   |        | Amount          |                 |
|-----|--|--------|---------------|--------|--------|-----------------|-----------------|
|     |  |        |               | Lc     | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 1.00   | 1.00   | 1.00            | 1.00            |
| 2   | Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt   | 700.00 | Per 100 stick | 74.30  | 174.00 | 520.10          | 1218.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 100.00 | 100    | 700.00          | 700.00          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 76.50  | 76.5   | 535.50          | 535.50          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93   | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |        |        | 0.00            |                 |
| a   | Through chemicals  | 156    | Per plant     | 0.55   | 0.55   | 85.80           | 85.80           |
| b   | Through mannure  | 156    | Per plant     | 0.27   | 0.27   | 42.12           | 42.12           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 7.40   | 7.40   | 1154.40         | 1154.40         |
| 8   | Cost of Plant including transportation (14+2)=16 2.1   | 156    | Per plant     | 0.00   | 21.00  | 0.00            | 3276.00         |
| 9   | Making of thanwala,of 50 cm radius   | 156    | Per plant     | 2.40   | 2.40   | 374.40          | 374.40          |
| 10  | Watering of plant, 15 lit per plant five times in the year (156x5x3)                             | 2340   | Per plant     | 1.85   | 1.85   | 4329.00         | 4329.00         |
| 11  | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00   | 450    | 0.00            | 3948.75         |
| 12  | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.20   | 1.20   | 1684.80         | 1684.80         |
| 13  | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50   | 2.00   | 78.00           | 312.00          |
| 14  | Cost of Chemical including transportation  | 156    | Per plant     | 0.50   | 1.00   | 78.00           | 156.00          |
|     | <b>Total</b>   |        |               |        |        | 10276.12        | 18510.77        |
| 15  | Gap filling 20%  |        |               |        |        | 2055.224        | 3702.15         |
|     | <b>Total</b>   |        |               |        |        | <b>12331.34</b> | <b>22212.92</b> |
|     | <b>Say Rs</b>  |        |               |        |        | <b>12331</b>    | <b>22213</b>    |
|     | Contengency 3%   |        |               |        |        |                 | 666             |
|     | <b>Grand total</b>   |        |               |        |        |                 | <b>22879</b>    |

Labour Am 12331  
 Meterial Am 10548  
 Total Am 22879

| MODEL ESTIMATE OF ALOVERA PLANTATION          |  |                     |           |      |         |        |         |
|---|--|---------------------|-----------|------|---------|--------|---------|
| District - Bhilwara, State - Rajasthan, India |  |                     |           |      |         |        |         |
| Name of work:-                                |  | Aloevera plantation |           |      |         |        |         |
| No of plants:-                                |  | 150                 |           |      | Spacing |        | 0.6     |
|   |  |                     |           |      | Rate    | Amount |         |
| S.no.   | Item   | Quantity            | Unit      | Lc   | Total   | Lc     | Total   |
| <b>Aloevera plantation</b>                    |  |                     |           |      |         |        |         |
| 1   | Cost of Aloevera Plant Including Transporting, Loading & unloading. (3.75+0.94+0.297+0.3715 =5.36) | 150                 | Per Plant | 0    | 5.36    | 0.00   | 804.00  |
| 2   | Plantation work of plant 150X0.6=90Rmt   | 90                  | Per Rmt   | 9.97 | 9.97    | 897.30 | 897.30  |
| <b>Total</b>                                  |  |                     |           |      |         |        |         |
|   |  |                     |           |      |         | 897.30 | 1701.30 |
| <b>Add. 0.03% Contengency charge</b>          |  |                     |           |      |         |        | 51      |
| <b>Total Amount</b>                           |  |                     |           |      |         |        | 1752    |

Labour Am 897  
Meterial Am 855  
**Total Am 1752 Per Ha**

| MODEL ESTIMATE OF AGRO FORESTRY               |   |                 |                |         |        |                |                 |
|---|---|-----------------|----------------|---------|--------|----------------|-----------------|
| District - Bhilwara, State - Rajasthan, India |   |                 |                |         |        |                |                 |
|   | Name of work:-  | Karonda fencing |                |         |        |                |                 |
|   | No of plants:-  | 150             |                | Spacing |        | 2 m            |                 |
|   |   |                 |                | Rate    |        | Amount         |                 |
| S.no  | Item  | Quantity        | Unit           | Lc      | Total  | Lc             | Total           |
|   | <b>Karonda Fencing</b>  |                 |                |         |        |                |                 |
| 1   | E/w Excavation for pit in hard soil in top of bund + 10% extra for different position | 150             | No             | 7.48    | 7.48   | 1122.00        | 1122.00         |
| 2   | Cost of Karonda Plant Including Transporting, Loading & unloading. (6+2=8)            | 150             | Per Plant      | 0       | 8.00   | 0.00           | 1200.00         |
| 3   | Plantation work of plant  | 150             | Per Plant      | 7.4     | 7.40   | 1110.00        | 1110.00         |
| 4   | <b>Watering Charges (three year)</b><br>3x5=15Nox150=2250<br>Nox15=33750              |                 |                |         |        |                |                 |
| A   | Cost of water including Transporting  | 33750           | 4000 Per Litre | 0       | 450.00 | 0.00           | 3796.88         |
| B   | Watering charges (150X3X5=2250)   | 2250            | Per Plant      | 1.85    | 1.85   | 4162.50        | 4162.50         |
| 5   | <b>Treatment of pit</b>   |                 |                |         |        |                |                 |
| A   | Cost of FYM   | 150             | Per Plant      | 0       | 1.00   | 0.00           | 150.00          |
| B   | Cost of Andosulphane  | 150             | Per Plant      | 0       | 0.50   | 0.00           | 75.00           |
| C   | Cost of Clorophyropas 2ml per plant   | 0.30            | Per Litre      | 0       | 350.00 | 0.00           | 105.00          |
| D   | Labour charge for treatment (0.41+0.20=0.61)  | 150             | Per Plant      | 0.82    | 0.82   | 123.00         | 123.00          |
| 6   | Weeding & Hoeing of plant in three year 2x3=6No x150 =900                             | 900             | Per Plant      | 1.2     | 1.20   | 1080.00        | 1080.00         |
|   | <b>Total</b>  |                 |                |         |        | 7597.50        | 12924.38        |
| 7   | Gap filling 20%   |                 |                |         |        | 1519.50        | 2584.88         |
|   | <b>Total</b>  |                 |                |         |        | <b>9117.00</b> | <b>15509.25</b> |
|   | <b>Aloevera plantation</b>  |                 |                |         |        |                |                 |
| 8   | Cost of Aloevera Plant Including Transporting, Loading & unloading.                   | 150             | Per Plant      | 0       | 5.36   | 0.00           | 804.00          |
| 9   | Plantation work of plant (1 m X 1m)   | 150             | Per Rmt        | 9.97    | 9.97   | 1495.50        | 1495.50         |
|   | <b>Total</b>  |                 |                |         |        | 1495.50        | 2299.50         |
|   | <b>Grand Total</b>  |                 |                |         |        | 10612.5        | 17808.75        |
|   | <b>Say Rs</b>   |                 |                |         |        | 10613          | 17809           |
|   | <b>Add. 0.03% Contengency charge</b>  |                 |                |         |        |                | 534             |
|   | <b>Total Amount</b>   |                 |                |         |        |                | 18343           |

Labour Am 10613  
 Meterial Am 7731  
**Total Am 18343 Per Ha**

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

|                    |   | Total plant | 277   | No   |                 |  |
|--------------------|---|-------------|-------|------|-----------------|--|
| S.N                | Details of work   | Qty         | Rate  | Unit | Amount          |  |
| 1                  | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 140.23      | 91.00 | cum  | 12761.04        |  |
| 2                  | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25        | 91.00 | cum  | 204.75          |  |
| <b>Total</b>       |   |             |       |      | <b>12965.79</b> |  |
| <b>Say Rs</b>      |   |             |       |      | <b>12966</b>    |  |
| Contengency 3%     |   |             |       |      | 389             |  |
| <b>Grand Total</b> |   |             |       |      | <b>13355</b>    |  |

Say Rs 13400 Per Ha

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**guava Plant Production**

|              |     |        |     |       |
|--------------|-----|--------|-----|-------|
| Total plant  | 277 | No     | C/C | 6mx6m |
| Thor fencing | 100 | Rmt/Ha |     |       |
| Thor Danda   | 700 | per ha |     |       |

| S.N                | Details of work  | Qty    | Unit          | Rate   |        | Amount          |                 |
|--------------------|--|--------|---------------|--------|--------|-----------------|-----------------|
|                    |  |        |               | Lc     | Total  | Lc              | Total           |
| 1                  | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 1.00   | 1.00   | 100.00          | 100.00          |
| 2                  | Supply and cutting of 80 cm thor sticks. ( 7 Danda /-Rmt)  | 700.00 | Per 100 stick | 74.30  | 174.00 | 520.10          | 1218.00         |
| 3                  | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 100.00 | 100.00 | 700.00          | 700.00          |
| 4                  | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 76.50  | 76.5   | 535.50          | 535.50          |
| 5                  | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93   | 6.93   | 693.00          | 693.00          |
| 6                  | Treatment of pits  |        |               |        |        | 0.00            |                 |
| a                  | Through chemicals  | 277    | Per plant     | 0.55   | 0.55   | 152.35          | 152.35          |
| b                  | Through mannure  | 277    | Per plant     | 0.27   | 0.27   | 74.79           | 74.79           |
| 7                  | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 277    | Per plant     | 7.40   | 7.40   | 2049.80         | 2049.80         |
| 8                  | Cost of Plant including transportation (16+2=18)   | 277    | Per plant     | 0.00   | 18.00  | 0.00            | 4986.00         |
| 9                  | Making of thanwala,of 50 cm radius   | 277    | Per plant     | 2.40   | 2.40   | 664.80          | 664.80          |
| 10                 | Watering of plant,15 lit per plant five times in the year (277x5x3=4155)                         | 4155   | Per plant     | 1.85   | 1.85   | 7686.75         | 7686.75         |
| 11                 | Cost of water including transportation (277x5x3x15=62325)  | 62325  | 4000 litre    | 0.00   | 450    | 0.00            | 7011.56         |
| 12                 | Weeding & hoeing three times in the year (277x3x3=2493)  | 2493   | Per plant     | 1.20   | 1.20   | 2991.60         | 2991.60         |
| 13                 | Cost of Mannure including transportation   | 277    | Per Kg        | 0.50   | 2.00   | 138.50          | 554.00          |
| 14                 | Cost of Chemical including transportation  | 277    | Per plant     | 0.25   | 1.00   | 69.25           | 277.00          |
| <b>Total</b>       |  |        |               |        |        | 16376.44        | 29695.15        |
| 15                 | Gap filling 20%  |        |               |        |        | 3275.288        | 5939.03         |
| <b>Total</b>       |  |        |               |        |        | <b>19651.73</b> | <b>35634.18</b> |
| <b>Say</b>         |  |        |               |        |        | <b>19652</b>    | <b>35634</b>    |
| Contengency 3%     |  |        |               |        |        |                 | 1069            |
| <b>Grand total</b> |  |        |               |        |        |                 | <b>36703</b>    |

|                 |              |
|-----------------|--------------|
| Labour Am       | 19652        |
| Meterial Am     | 17051        |
| <b>Total Am</b> | <b>36703</b> |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

|                    |   | Total plant | 156   | No   |                |  |
|--------------------|---|-------------|-------|------|----------------|--|
| S.N                | Details of work   | Qty         | Rate  | Unit | Amount         |  |
| 1                  | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 78.98       | 91.00 | cum  | 7186.73        |  |
| 2                  | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25        | 91.00 | cum  | 204.75         |  |
| <b>Total</b>       |   |             |       |      | <b>7391.48</b> |  |
| <b>Say Rs</b>      |   |             |       |      | <b>7391</b>    |  |
| Contengency 3%     |   |             |       |      | 222            |  |
| <b>Grand Total</b> |   |             |       |      | <b>7613</b>    |  |

Say Rs 7700 Per Ha

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Anar Plant Production**

Total plant 156 No C/C 8mx8m  
 Thor fencing 100 Rmt/Ha  
 Thor Danda 700 per ha

| S.N                | Details of work  | Qty    | Unit          | Rate   |        | Amount          |                 |
|--------------------|--|--------|---------------|--------|--------|-----------------|-----------------|
|                    |  |        |               | Lc     | Total  | Lc              | Total           |
| 1                  | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 1.00   | 1.00   | 1.00            | 1.00            |
| 2                  | Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt   | 700.00 | Per 100 stick | 74.30  | 174.00 | 520.10          | 1218.00         |
| 3                  | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 100.00 | 100    | 700.00          | 700.00          |
| 4                  | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 76.50  | 76.5   | 535.50          | 535.50          |
| 5                  | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93   | 6.93   | 693.00          | 693.00          |
| 6                  | Treatment of pits  |        |               |        |        | 0.00            |                 |
| a                  | Through chemicals  | 156    | Per plant     | 0.55   | 0.55   | 85.80           | 85.80           |
| b                  | Through mannure  | 156    | Per plant     | 0.27   | 0.27   | 42.12           | 42.12           |
| 7                  | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 7.40   | 7.40   | 1154.40         | 1154.40         |
| 8                  | Cost of Plant including transportation (14+2)=16   | 156    | Per plant     | 0.00   | 16.00  | 0.00            | 2496.00         |
| 9                  | Making of thanwala,of 50 cm radius   | 156    | Per plant     | 2.40   | 2.40   | 374.40          | 374.40          |
| 10                 | Watering of plant, 15 lit per plant five times in the year (156x5x3)                             | 2340   | Per plant     | 1.85   | 1.85   | 4329.00         | 4329.00         |
| 11                 | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00   | 450    | 0.00            | 3948.75         |
| 12                 | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.20   | 1.20   | 1684.80         | 1684.80         |
| 13                 | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50   | 2.00   | 78.00           | 312.00          |
| 14                 | Cost of Chemical including transportation  | 156    | Per plant     | 0.50   | 1.00   | 78.00           | 156.00          |
| <b>Total</b>       |  |        |               |        |        | 10276.12        | 17730.77        |
| 15                 | Gap filling 20%  |        |               |        |        | 2055.224        | 3546.15         |
| <b>Total</b>       |  |        |               |        |        | <b>12331.34</b> | <b>21276.92</b> |
| <b>Say Rs</b>      |  |        |               |        |        | <b>12331</b>    | <b>21277</b>    |
| Contengency 3%     |  |        |               |        |        |                 | 638             |
| <b>Grand total</b> |  |        |               |        |        |                 | <b>21915</b>    |

Labour Am 12331  
 Meterial Am 9584  
 Total Am 21915



**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

Orange NRM

Total plant 156 No

| S.N | Details of work   | Qty   | Rate  | Unit | Amount         |
|-----|---|-------|-------|------|----------------|
| 1   | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 78.98 | 91.00 | cum  | 7186.73        |
| 2   | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25  | 91.00 | cum  | 204.75         |
|     | <b>Total</b>  |       |       |      | <b>7391.48</b> |
|     | <b>Say Rs</b>   |       |       |      | <b>7391</b>    |
|     | Contengency 3%  |       |       |      | 222            |
|     | <b>Grand Total</b>  |       |       |      | <b>7613</b>    |

Say Rs 7700 Per Ha

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Orange Plantation Production**

Total plant 156 No C/C 8mx8m  
Thor fencing 100 Rmt/Ha  
Thor Danda 700 per ha

| S.N | Details of work  | Qty    | Unit          | Rate   |        | Amount          |                 |
|-----|--|--------|---------------|--------|--------|-----------------|-----------------|
|     |  |        |               | Lc     | Total  | Lc              | Total           |
| 1   | Dag balling work up to 5 to 7 cm depth   | 100    | Rmt.          | 1.00   | 1.00   | 100.00          | 100.00          |
| 2   | Supply and cutting of 80 cm thor sticks. (7 Danda /-Rmt)   | 700.00 | Per 100 stick | 74.30  | 174.00 | 520.10          | 1218.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 100.00 | 100.00 | 700.00          | 700.00          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 76.50  | 76.50  | 535.50          | 535.50          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93   | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |        |        |                 |                 |
| a   | Through chemicals  | 156    | Per plant     | 0.55   | 0.55   | 85.80           | 85.80           |
| b   | Through mannure  | 156    | Per plant     | 0.27   | 0.27   | 42.12           | 42.12           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 156    | Per plant     | 7.40   | 7.40   | 1154.40         | 1154.40         |
| 8   | Cost of Plant including transportation (20+2=22)   | 156    | Per plant     | 0.00   | 22.00  | 0.00            | 3432.00         |
| 9   | Making of thanwala, of 50 cm radius  | 156    | Per plant     | 2.40   | 2.40   | 374.40          | 374.40          |
| 10  | Watering of plant, 15 lit per plant five times in the year (156x5x3=2340)                        | 2340   | Per plant     | 1.85   | 1.85   | 4329.00         | 4329.00         |
| 11  | Cost of water including transportation (156x5x3x15=35100)  | 35100  | 4000 litre    | 0.00   | 450    | 0.00            | 3948.75         |
| 12  | Weeding & hoeing three times in the year (156x3x3=1404)  | 1404   | Per plant     | 1.20   | 1.20   | 1684.80         | 1684.80         |
| 13  | Cost of Mannure including transportation   | 156    | Per Kg        | 0.50   | 2.00   | 78.00           | 312.00          |
| 14  | Cost of Chemical including transportation  | 156    | Per plant     | 0.50   | 1.00   | 78.00           | 156.00          |
|     | <b>Total</b>   |        |               |        |        | 10375.12        | 18765.77        |
| 15  | Gap filling 20%  |        |               |        |        | 2075.024        | 3753.15         |
|     | <b>Total</b>   |        |               |        |        | <b>12450.14</b> | <b>22518.92</b> |
|     | <b>Say Rs</b>  |        |               |        |        | 12450           | 22519           |
|     | Contengency 3%   |        |               |        |        |                 | 676             |
|     | <b>Grand total</b>   |        |               |        |        |                 | <b>23194</b>    |

Labour Am 12450  
Material Am 10744  
Total Am 23194

## OPEN LAND CONTOUR TRENCH

| Name of Village :-                              |   |                           |           |       |                |  |
|---|---|---------------------------|-----------|-------|----------------|--|
| Name of site :-                                 |   | Chragah Plot no. -1 ( )   |           |       |                |  |
| Name of Work :-                                 |   | Continious contour trench |           |       |                |  |
| Jal Grahan Vikash Samiti                        |   |                           |           |       |                |  |
| Costing & Quantity Estimation of Contour trench |   |                           |           |       |                |  |
| Total length of CCT per ha =300 m/ha            |   |                           |           |       |                |  |
| CX= 0.2025 Cum                                  |   |                           |           |       |                |  |
| Total Area in Ha                                |   |                           |           | 1     |                |  |
| S. No.  | Item  | Quantity                  | Unit      | Rate  | Amount         |  |
| 1   | Marking of contour line through dumpy level   | 300                       | Per metre | 0.31  | 93.00          |  |
| 2   | Dug belling work for CCT up to 5-7 cm depth (As per BSR2011, P.no. 14, item no. 155a) (2X300=600) | 600                       | Rm        | 1.00  | 600.00         |  |
|   | Quantity of E/W (300Rmt X 0.2025=60.75 cum)   | 60.75                     | Cum       |       |                |  |
| 3   | Excavation of hard soil for CCT as per BSR2011, P.no. 17, item no. 189b) 40%                      | 24.3                      | Cum       | 91.00 | 2211.30        |  |
| 4   | Excavation of murrum for CCT as per BSR2011, P.no. 17, item no. 189c) 60%                         | 36.45                     | Cum       | 99.00 | 3608.55        |  |
| 5   | Sowing of local grass seed on bunds As per BSR2007, P.no. 11, item no. 142) (3X300=900)           | 900                       | Rm        | 0.59  | 531.00         |  |
| 6   | Grass seed  |                           |           |       |                |  |
|   | A Spreading of Grass seed   | 1                         | Ha        | 160   | 160.00         |  |
|   | B Making of pallets   | 12                        | Kg        | 18.9  | 226.80         |  |
|   | C Dhaman  | 12                        | Kg        | 50    | 600.00         |  |
|   | <b>Total cost for CCT</b>   |                           |           |       | <b>8030.65</b> |  |
|   | <b>Contengency charge 3%</b>  |                           |           |       | <b>240.92</b>  |  |
|   |   |                           |           |       | <b>8271.57</b> |  |

SAY Am

8300 Per Ha

| OPEN LAND CONTOUR TRENCH                        |   |                          |      |                           |       |                |                |
|---|---|--------------------------|------|---------------------------|-------|----------------|----------------|
| Name of Village :-                              |   |                          |      |                           |       |                |                |
| Name of site :-                                 |   | Chragah Plot no. -1 ( )  |      |                           |       |                |                |
| Name of Work :-                                 |   | Continous contour trench |      |                           |       |                |                |
| Jal Grahan Vikash Samiti                        |   |                          |      |                           |       |                |                |
| Costing & Quantity Estimation of Contour trench |   |                          |      |                           |       |                |                |
| Total length of CCT per ha =300 rm/ha           |   |                          |      | योजना - रा.प्रा.रो.गा.यो. |       |                |                |
| CX= 0.2025 Cum                                  |   |                          |      |                           |       |                |                |
| Total Area in Ha                                |   | 1                        |      |                           |       |                |                |
| S.no.   | Item  | Quantity                 | Unit | Rate                      |       | Amount         |                |
|   |   |                          |      | Labour                    | Total | Labour         | Total          |
| 1   | Marking of contour line through dumpy level   | 300                      | Rmt  | 0.24                      | 0.27  | 72.00          | 81.00          |
| 2   | Dug belling work for CCT up to 5-7 cm depth (As per BSR2011, P.no. 14, item no. 155a) (2X300=600) | 600                      | Rmt  | 0.88                      | 0.88  | 528.00         | 528.00         |
|   | Quantity of E/W (300Rmt X 0.2025=60.75 cum)   | 60.75                    | Cum  |                           |       |                |                |
| 3   | Excavation of hard soil for CCT as per BSR2011, P.no. 17, item no. 189b) 40%                      | 24.3                     | Cum  | 71.80                     | 75.00 | 1744.74        | 1822.50        |
| 4   | Excavation of murrum for CCT as per BSR2011, P.no. 17, item no. 189c) 60%                         | 36.45                    | Cum  | 79.30                     | 88.00 | 2890.49        | 3207.60        |
| 5   | Sowing of local grass seed on bunds As per BSR2007, P.no. 11, item no. 142) (3X300=900)           | 900                      | Rmt  | 0.52                      | 0.52  | 468.00         | 468.00         |
| 6   | Grass seed  |                          |      |                           |       | 0.00           | 0.00           |
| A   | Spreading of Grass seed   | 1                        | Ha   | 141                       | 141   | 141.00         | 141.00         |
| B   | Making of pallets   | 12                       | Kg   | 16.3                      | 16.8  | 195.60         | 201.60         |
| C   | Dhaman  | 12                       | Kg   | 0                         | 50    | 0.00           | 600.00         |
| <b>Total cost for CCT</b>                       |   |                          |      |                           |       | <b>6039.83</b> | <b>7049.70</b> |

|  |  |          |         |
|--|--|----------|---------|
| श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना |  | 2588.065 | 2588.07 |
| योग  |  | 8628     | 9637.77 |
| जोड़े 3 % पानी वाला, आया                               |  | 258.84   | 258.84  |
| योग  |  | 8887     | 9896.60 |
| जोड़ 2 % कन्टिन जैसी                                   |  |          | 197.93  |
| कुल योग  |  |          | 10095   |
| SAY  |  |          | 10100   |
| लागत श्रम मद में                                       |  |          | 8890    |
| लागत सामग्री मद में                                    |  |          | 1210    |
| कुल योग  |  |          | 10100   |

**Cost of cultivation of Bhindi, Coriander, Tinda (0.1ha. model)**

**I Cost**

**Feb.to may**

| SI.NO.   | Item of investment                                     | Quantity/Unit  | Rate /Kg. | Amount (Rs.) |
|----------|--|----------------|-----------|--------------|
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |           |              |
| 1        | Land preparation & laying beds                         | 3              |           | 450          |
| 2        | Nuresery development                                   | 3              |           | 450          |
| 3        | Transplantation cost                                   | 1              |           | 150          |
| 4        | Application of FYM, organic fertilisers and pesticides | 3              |           | 450          |
| 5        | Weeding and intercultural operation                    | 5              |           | 750          |
| 6        | Harvesting   | 5              |           | 750          |
| 7        | Grading, packing/crating, labelling                    | 3              |           | 450          |
|          | <b>Total Operational cost</b>                          | <b>23</b>      |           | <b>3450</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |           |              |
| 1        | Planting material                                      |                |           | 200          |
|          | Bhindi (0.05 ha.)                                      | 0.5 kg.        | 800       | 400          |
|          | Corinder (0.03 ha.)                                    | 0.36 kg.       | 400       | 144          |
|          | Tinda (0.02 ha.)                                       | 0.05 kg.       | 300       | 15           |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000      | 2500         |
| 3        | Neem cake  | 4 kg           |           | 25           |
| 4        | Azospirillum, Ryzobium, Potassium soubilising bacteria | L.S            |           | 400          |
|          | <b>Total material costs</b>                            |                |           | <b>3684</b>  |
|          | <b>Total cost (A+B)</b>                                |                |           | <b>7134</b>  |

**Cost of cultivation of tomato,chilli,onoin,Bhindi (0.1ha. model)**

**I Cost**

**June to September**

| Sl.NO.   | Item of investment                                     | Quantity/Unit  |        | Rate /Kg. | Amount (Rs.) |
|----------|--|----------------|--------|-----------|--------------|
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |        |           |              |
| 1        | Land preparation & laying beds                         | 3              |        |           | 450          |
| 2        | Nuresery development                                   | 3              |        |           | 450          |
| 3        | Transplantation cost                                   | 1              |        |           | 150          |
| 4        | Application of FYM, organic fertilisers and pesticides | 3              |        |           | 450          |
| 5        | Weeding and intercultural operation                    | 5              |        |           | 750          |
| 6        | Harvesting   | 5              |        |           | 750          |
| 7        | Grading, packing/crating, labelling                    | 3              |        |           | 450          |
|          | <b>Total Operational cost</b>                          | <b>23</b>      |        |           | <b>3450</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |        |           |              |
| 1        | Planting material                                      |                |        |           | 200          |
|          | Tometo (0.02 ha.)                                      | 0.005          | kg.    | 20000     | 100          |
|          | Bhindi (0.03 ha.)                                      | 0.3            | kg.    | 800       | 240          |
|          | Chilli (0.02 ha.)                                      | 0.006          | kg.    | 30000     | 180          |
|          | Onion (0.03 ha.)                                       | 0.3            | kg.    | 15000     | 4500         |
| 2        | Farm Yard Manure                                       | 2.5            | tonnes | 1000      | 2500         |
| 3        | Neem cake  | 4              | kg     |           | 25           |
| 4        | Azospirillum, Ryzobium,Potassium soubilising bacteria  | L.S            |        |           | 400          |
|          | <b>Total material costs</b>                            |                |        |           | <b>8145</b>  |
|          | <b>Total cost (A+B)</b>                                |                |        |           | <b>11595</b> |

### Estimate cost of Drip irrigation system on 0.1 ha plot of vegetables

| (PLANTING SPACE 1 X 0.3 Mtrs)                          |          |       |                       |              |
|--|----------|-------|-----------------------|--------------|
| Cost Estimate  |          |       |                       |              |
| Item   | Quantity | Unit  | Rate<br>(Rs./m)<br>LS | Cost (Rs.)   |
| 1 Main line PVC rigid pipe ISI Mark 4kg./cm. 63 mm dia | 50       | R.M.. | 61.5                  | 3075         |
| 2 Lateral 16 mm online dia                             | 50       | R.M.. | 10                    | 500          |
| 3 16 mm Emiting pipes 2 lph                            | 1000     | Mtrs  | 13                    | 13000        |
| 4 Lateral Connectors                                   | 50       |       | 2                     | 100          |
| 5 End Connector at Laterals                            | 50       |       | 2                     | 100          |
| 6 Tees end - plug                                      | 50       | No.   | 2                     | 100          |
| 7 Joints regulatore etc                                | 50       | No.   | 2                     | 100          |
| 8 Rubber Grommet                                       | 50       | No.   | 2                     | 100          |
| 9 GI Manifold  | 1        | No.   | 500                   | 500          |
| 10 PVC Tank 500 Liters                                 | 1        |       | 1575                  | 1575         |
| 11 accessories miscellaneous                           |          |       |                       | 1000         |
| 12 Installation chages for drip                        | 1        | No.   | 1200                  | 1200         |
| 13 Zero energy Pumpset including all assisries         | 1        | No.   | 6000                  | 6000         |
| 14 Stand for plastic tank 10 fit height                | 1        | No.   | 1500                  | 1500         |
| 15 Miscellenious                                       |          |       |                       | 1150         |
| <b>Total</b>   |          |       |                       | <b>30000</b> |

## Abstract of Cost Kitchen Gardening

| S. no. | Activity                  | Cost         | Anexture |
|--------|---------------------------|--------------|----------|
| 1      | Operations Total          |              |          |
| 1.1    | Season 1                  | 3450         | 1        |
| 1.2    | Season 2                  | 3150         | 2        |
| 1.3    | Season 3                  | 3450         | 3        |
| 2      | Material Cost             |              |          |
| 2.1    | Season 1                  | 8145.00      |          |
| 2.2    | Season 2                  | 2575.00      |          |
| 2.3    | Season 3                  | 3684.00      |          |
| 1.3    | Drip irrigation System    | 30000        | 4        |
|        | <b>Total Project Cost</b> | <b>54454</b> |          |
|        |                           |              |          |

**Cost of cultivatio of Pea,Carrot,Cabbage (0.1ha. model)**

**I Cost**

**October to January**

| SI.NO.   | Item of investment   | Quantity/Unit  | Rate /Kg. | Amount (Rs.) |
|----------|--|----------------|-----------|--------------|
| <b>A</b> | <b>Operations</b>  | <b>Mandays</b> |           |              |
| 1        | Land prepartation & laying beds                            | 3              |           | 450          |
| 2        | Nuresery development                                       | 2              |           | 300          |
| 3        | Transplantation cost                                       | 1              |           | 150          |
| 4        | Application of FYM, organic fertilisers and pesticides     | 3              |           | 450          |
| 5        | Weeding and intercultural operation                        | 5              |           | 750          |
| 6        | Harvesting   | 4              |           | 600          |
| 7        | Grading, packing/crating, labelling                        | 3              |           | 450          |
|          | <b>Total Operational cost</b>                              | <b>21</b>      |           | <b>3150</b>  |
| <b>B</b> | <b>Materials</b>   |                |           |              |
| 1        | Planting material  | 50 g           |           | 200          |
|          | Pea (0.03 ha.)   | 3 kg.          | 60        | 180          |
|          | Carrot (0.05 ha.)  | 0.3 kg.        | 400       | 120          |
|          | Cabbage (0.02 ha.)   | 0.01 kg.       | 15000     | 150          |
| 2        | Farm Yard Manure   | 2.5 tonnes     |           | 1500         |
| 3        | Neem cake  | 4 kg           |           | 25           |
| 4        | Azospirillum, Ryzobium, Potassium<br>soulbilising bacteria | L.S            |           | 400          |
|          | <b>Total material costs</b>                                |                |           | <b>2575</b>  |
|          | <b>Total cost (A+B)</b>                                    |                |           | <b>5725</b>  |

| <b>Abstract Cost of Trellis Farming</b> |                           |              |          |
|---|---------------------------|--------------|----------|
| S. no.                                  | Activity                  | Cost         | Anexture |
| 1                                       | Operations Total          |              |          |
| 1.1                                     | Season 1(Tinda)           | 2100         | 1        |
| 1.2                                     | Season 2 (Karela)         | 2100         | 2        |
| 1.3                                     | Season 3 (Turai)          | 2100         | 3        |
| 2                                       | Material Cost             |              |          |
| 2.1                                     | Season 1                  | 22575.00     |          |
| 2.2                                     | Season 2                  | 3125.00      |          |
| 2.3                                     | Season 3                  | 3350.00      |          |
| 3                                       | Drip irrigation System    | 30000        | 4        |
|   | <b>Total Project Cost</b> | <b>65350</b> |          |

### Cost of organic cultivation of Karela (0.1ha. model)

| Season   |  | July to Aug.   |              |              |
|----------|--|----------------|--------------|--------------|
| I Cost   |  |                |              |              |
| Sl.NO.   | Item of investment                                     | Quantity/Unit  | Rate per Kg. | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |              |              |
| 1        | Land preparation & laying beds                         | 3              |              | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |              | 450          |
| 3        | Weeding and intercultural operation                    | 5              |              | 750          |
| 4        | picking and Grading                                    | 3              |              | 450          |
|          | <b>Total Operational cost</b>                          | <b>14</b>      |              | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |              |              |
| 1        | Planting material                                      | 250 g          | 800          | 200          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000         | 2500         |
| 3        | Neem cake  | 4 kg           |              | 25           |
| 4        | Azospirillum, Potassium solubilising bacteria          | L.S            |              | 400          |
|          |  |                |              | 3125         |
|          | <b>Total cost (A+B)</b>                                |                |              | <b>5225</b>  |

### Cost of organic cultivation of Turai (0.1ha. model)

| Season   |  | Nov.to Dec.    |            |              |
|----------|--|----------------|------------|--------------|
| I Cost   |  |                |            |              |
| Sl.NO.   | Item of investment                                     | Quantity/Unit  | Rate per K | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |            |              |
| 1        | Land preparation & laying beds                         | 3              |            | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |            | 450          |
| 3        | Weeding and intercultural operation                    | 5              |            | 750          |
| 4        | picking and Grading                                    | 3              |            | 450          |
|          | <b>Total Operational cost</b>                          | <b>14</b>      |            | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |            |              |
| 1        | Planting material                                      | 250 g          | 1700       | 425          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000       | 2500         |
| 3        | Neem cake  | 4 kg           |            | 25           |
| 4        | Azospirillum, Potassium solubilising bacteria          | L.S            |            | 400          |
|          |  |                |            | 3350         |
|          | <b>Total cost (A+B)</b>                                |                |            | <b>5450</b>  |

### Cost of organic cultivation of Tinda (0.1ha. model)

| Season   |  | Feb. to May    |            |              |
|----------|--|----------------|------------|--------------|
| I Cost   |  |                |            |              |
| Sl.NO.   | Item of investment                                     | Quantity/Unit  | Rate per K | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |            |              |
| 1        | Land preparation & laying beds                         | 3              |            | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |            | 450          |
| 3        | Weeding and intercultural operation                    | 5              |            | 750          |
| 4        | picking and Grading                                    | 3              |            | 450          |
|          | <b>Total Operational cost</b>                          | <b>14</b>      |            | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |            |              |
| 1        | Planting material                                      | 250 g          | 1000       | 250          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000       | 2500         |
| 3        | Neem cake  | 4 kg           |            | 25           |
| 4        | Azospirillum, Potassium solubilising bacteria L.S      |                |            | 400          |
| 5        | 9"x8' size locally available Stone Patti               | 600 Sqft.      | 18         | 10800        |
| 6        | Labuor Charge for Stone Patti and Wire Fittings L.S.   | 400 No.        | 4          | 1600         |
| 7        | Galvanize Wire (16 guage)                              | 80 kg.         | 60         | 4800         |
| 8        | Galvanize Wire (12 guage)                              | 40 kg.         | 55         | 2200         |
|          |  |                |            | <b>22575</b> |
|          | <b>Total Cost (A+B)</b>                                |                |            | <b>24675</b> |

### Estimate cost of Drip irrigation system on 0.1 ha plot of vegetables

(PLANTING SPACE 1 X 0.3 Mtrs)

#### Cost Estimate

|    | item   | Quantity | Unit  | Rate (Rs./m) | Cost (Rs.)   |
|----|--|----------|-------|--------------|--------------|
| 1  | Main line PVC rigid pipe ISI Mark 4kg./cm. 63 mm dia | 50       | R.M.. | 61.5         | 3075         |
| 2  | Lateral 16 mm online dia                             | 50       | R.M.. | 10           | 500          |
| 3  | 16 mm Emiting pipes 2 lph                            | 1000     | Mtrs  | 13           | 13000        |
| 4  | Lateral Connectors                                   | 50       |       | 2            | 100          |
| 5  | End Connector at Laterals                            | 50       |       | 2            | 100          |
| 6  | Tees end - plug                                      | 50       | No.   | 2            | 100          |
| 7  | Joints regulatore etc                                | 50       | No.   | 2            | 100          |
| 8  | Rubber Grommet                                       | 50       | No.   | 2            | 100          |
| 9  | GI Manifold  | 1        | No.   | 500          | 500          |
| 10 | PVC Tank 500 Liters                                  | 1        |       | 1575         | 1575         |
| 11 | accessories miscellaneous                            |          |       |              | 1000         |
| 12 | Installation chages for drip                         | 1        | No.   | 1200         | 1200         |
| 13 | Zero energy Pumpset including all assisries          | 1        | No.   | 6000         | 6000         |
| 14 | Stand for plastic tank 10 fit height                 | 1        | No.   | 1500         | 1500         |
| 15 | Miscellenious  |          |       |              | 1150         |
|    |  | Total    |       |              | <b>30000</b> |

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

Nimbu NRM

Total plant 277 No

| S.N | Details of work   | Qty    | Rate  | Unit | Amount          |
|-----|---|--------|-------|------|-----------------|
| 1   | Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum | 140.23 | 91.00 | cum  | 12761.04        |
| 2   | Excavation of earth work for thor fencing pit size 0.15x0.15m                           | 2.25   | 91.00 | cum  | 204.75          |
|     | <b>Total</b>  |        |       |      | <b>12965.79</b> |
|     | <b>Say Rs</b>   |        |       |      | <b>12966</b>    |
|     | Contengency 3%  |        |       |      | 389             |
|     | <b>Grand Total</b>  |        |       |      | <b>13355</b>    |

Say Rs 13400 Per Ha

**MODEL ESTIMATE OF HORTICULTURE PLANTATION**

**Nimbu Plant Production**

Total plant 277 No C/C 6mx6m  
 Thor fencing 100 Rmt/Ha  
 Thor Danda 700 per ha

| S.N | Details of work  | Qty    | Unit          | Rate   |        | Amount          |                 |
|-----|--|--------|---------------|--------|--------|-----------------|-----------------|
|     |  |        |               | Lc     | Total  | Lc              | Total           |
| 1   | Dag bailing work up to 5 to 7 cm depth   | 100    | Rmt.          | 1.00   | 1.00   | 100.00          | 100.00          |
| 2   | Supply and cutting of 80 cm thor sticks. ( 7 Danda /-Rmt)  | 700.00 | Per 100 stick | 74.30  | 174.00 | 520.10          | 1218.00         |
| 3   | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. | 700.00 | Per 100 stick | 100.00 | 100.00 | 700.00          | 700.00          |
| 4   | Rehandling work of thor sticks up to 200 to 500mt distance.                                      | 700.00 | Per 100 stick | 76.50  | 76.50  | 535.50          | 535.50          |
| 5   | Planting work of Thor sticks in 15 cm distance.  | 100.00 | Rmt.          | 6.93   | 6.93   | 693.00          | 693.00          |
| 6   | Treatment of pits  |        |               |        |        |                 |                 |
| a   | Through chemicals  | 277    | Per plant     | 0.55   | 0.55   | 152.35          | 152.35          |
| b   | Through mannure  | 277    | Per plant     | 0.27   | 0.27   | 74.79           | 74.79           |
| 7   | Planting of plant with rehandling upto 100m,refilling of soil & compaction etc                   | 277    | Per plant     | 7.40   | 7.40   | 2049.80         | 2049.80         |
| 8   | Cost of Plant including transportation (7+2=9)   | 277    | Per plant     | 0.00   | 9.00   | 0.00            | 2493.00         |
| 9   | Making of thanwala,of 50 cm radius   | 277    | Per plant     | 2.40   | 2.40   | 664.80          | 664.80          |
| 10  | Watering of plant, 15 lit per plant five times in the year (277x5x3=4155)                        | 4155   | Per plant     | 1.85   | 1.85   | 7686.75         | 7686.75         |
| 11  | Cost of water including transportation (277x5x3x15=62325)  | 62325  | 4000 litre    | 0.00   | 450    | 0.00            | 7011.56         |
| 12  | Weeding & hoeing three times in the year (277x3x3=2493)  | 2493   | Per plant     | 1.20   | 1.20   | 2991.60         | 2991.60         |
| 13  | Cost of Mannure including transportation   | 277    | Per Kg        | 0.50   | 2.00   | 138.50          | 554.00          |
| 14  | Cost of Chemical including transportation  | 277    | Per plant     | 0.50   | 1.00   | 138.50          | 277.00          |
|     | <b>Total</b>   |        |               |        |        | 16445.69        | 27202.15        |
| 15  | Gap filling 20%  |        |               |        |        | 3289.138        | 5440.43         |
|     | <b>Total</b>   |        |               |        |        | <b>19734.83</b> | <b>32642.58</b> |
|     |  |        |               |        |        | 19735           | 32643           |
|     | Contengency 3%   |        |               |        |        |                 | 979             |
|     | <b>Grand total</b>   |        |               |        |        |                 | <b>33622</b>    |

Labour Am 19735  
 Meterial Am 13887  
 Total Am 33622

**Panchayat samity - Shahpura, District - Bhilwara, State - Rajasthan,**

Name of Village :-

Name of Panchayat :-

Name of Work :- Pasture Land Development (Production)

**Costing & Quantity Estimation of Pasture Land Development**

Ha. Area for P. D.

| S.no  | Particular   | Unit           | Quantity | Labour Rate | Total Rate | Labour Cost       | Total Amount |
|-------|--|----------------|----------|-------------|------------|-------------------|--------------|
| 60    | Rmt. Length of Ditch cum bund fencing per ha.  |                |          |             |            |                   |              |
| 277.8 | Plants to be planted in one hectare  | Say            | 300      |             | 36.00      | 6 x 6 mt. Spacing |              |
| (A)   | Thor fencing work  |                |          |             |            |                   |              |
| 1     | Supply and cutting of 80 cm thor sticks. (7N0 Danda /- Ha)   | Per 100 stick  | 420      | 74.3        | 174        | 312.06            | 730.80       |
| 2     | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading.   | Per 100 stick  | 420      | 100         | 100        | 420               | 420.00       |
| 3     | Rehandling work of thor sticks up to 200 to 500mt distance.  | Per 100 stick  | 420      | 76.5        | 76.5       | 321.3             | 321.30       |
| 4     | Planting of Thor sticks.   | Rmt.           | 60       | 6.93        | 6.93       | 415.8             | 415.80       |
| (B)   | Plantation work  |                |          |             |            |                   |              |
| 5     | Treatment of pit by FYM & Endosulphane (25gm per pit)  | Per pit        | 300      | 0.82        | 0.82       | 246               | 246.00       |
| 6     | Cost of Endosulphane (As per market Rate)  | Per Kg         | 7.50     | 0.00        | 32.00      | 0                 | 240.00       |
| 7     | Cost of cloropairyphose As per market Rate.3x0.6=1.8 lit   | Per litre      | 1.80     | 0.00        | 350.00     | 0                 | 630.00       |
| 8     | Cost of saplings   | Per plant      | 300      | 0           | 3.00       | 0                 | 900.00       |
| 9     | Transportation Cost of saplings from 10 km distance.   | Per 1000 Plant | 0.3      | 196         | 1435.00    | 58.8              | 430.50       |
| 10    | Planting of plant with Rehandling work 100m distance, mixing of soil with FYM,Endosalphane & filling of pit.cutting of polythine bag & planting with doing compact soil.         | Per pit        | 300      | 7.40        | 7.40       | 2220              | 2220.00      |
| 11    | Planting of Aloevera plant on top of contour trench 0.60m spacing with complete work.600x0.6=360 Rmt   | Per Rmt        | 360      | 9.97        | 9.97       | 3589.2            | 3589.20      |
| 12    | Cost of Aloevera including transport 10 Km + Loading + Unloading + Rehandling<br>50%(3.75+0.94+0.297+0.3715=5.36)  | Per plant      | 600      | 0           | 5.36       | 0                 | 3216.00      |
| 14    | Watering to the plant with 15 liters per plant for first year three times,second year five times & third year five times with mixing cloropairyphose.(2ml per pit) (300X13=3900) | Per plant      | 3900     | 1.85        | 1.85       | 7215              | 7215.00      |

| S.no | Particular   | Unit           | Quantity | Labour Rate | Total Rate   | Labour Cost      | Total Amount     |
|------|--|----------------|----------|-------------|--------------|------------------|------------------|
| 15   | Transportation Cost of water up to 5 km distance.(300X13X15=58500)   | Per 4000 Litre | 58500.00 | 0           | 450.00       | 0                | 6581.25          |
| 16   | Weeding & Hoeing (300X2X3=1800)  | Per plant      | 1800     | 1.20        | 1.20         | 2160             | 2160.00          |
| 17   | Ploughing by tractor cultivator and grass seed broadcasting (seed rate 6 to 8 kgs/ha) cost of seed not included    | Ha.            | 0.80     | 284.00      | 922.00       | 227.2            | 737.60           |
| 18   | Grass seed As per forest BSR 2004-2005 page no-12.   |                |          |             |              |                  |                  |
| 100% | Dhaman   | Kg.            | 12       | 0           | 50.00        | 0                | 600.00           |
| 19   | Making pallets of mixture of fine soil, grass seed, manure etc (seed rate 6 to 8 kgs/ha) cost of seed not included | Kg.            | 12.00    | 18.90       | 18.90        | 226.8            | 226.80           |
| 20   | Sowing of grass seed pallets on bunds in two rows.   | Rmt.           | 720      | 0.59        | 0.59         | 424.8            | 424.80           |
| 21   | Sowing of tree seed on ridges.   | Rmt.           | 300.00   | 0.59        | 0.59         | 177              | 177.00           |
| 22   | Sowing of tree seed on bund (Desi Babool, neem & jetropha).  | Rmt.           | 180      | 0.59        | 0.59         | 106.2            | 106.20           |
| 23   | Tree seed As per forest BSR 2004-2005 page no-12.  |                |          |             |              |                  |                  |
|      | Deshibabool  | Kg.            | 0.40     | 0.00        | 18.00        | 0                | 7.20             |
|      | Kher   | Kg.            | 0.40     | 0.00        | 19.00        | 0                | 7.60             |
|      | Neem   | Kg.            | 0.40     | 0.00        | 39.00        | 0                | 15.60            |
|      | Kumath   | Kg.            | 0.40     | 0.00        | 33.00        | 0                | 13.20            |
| 24   | One man chokidar for three year (within 25 Ha)   | No             | 43.80    | 135.00      | 135.00       | 5913             | 5913.00          |
| 25   | Gap filling in Second year (20%)   |                |          |             |              | 3097.8           | 4788.39          |
|      | Note:- All Rates Apply Gramin kary Nirdesika 2011  |                |          |             | <b>Total</b> | <b>Rs.27,131</b> | <b>Rs.42,333</b> |
|      |  |                |          |             | <b>Total</b> | <b>Rs.27,131</b> | <b>Rs.42,333</b> |
|      | Add.3% Contengency   |                |          |             |              |                  | 1270.00          |
|      | <b>Grand Total</b>   |                |          |             |              |                  | <b>43603.24</b>  |

| Total Cost/ Ha | Labour Cost/ Ha | Material Cost/ Ha |
|----------------|-----------------|-------------------|
| 43603          | 27131           | 16472             |

|  |       |
|--|-------|
| <b>Total Cost of Pasture Development</b> | 64544 |
| <b>NRM Part</b>                          | 20941 |
| <b>Production</b>                        | 43603 |

**Panchayat samity - Shahpura, District - Bhilwara, State - Rajasthan,**

| Name of Village :-  |  |   |                |             |            |              |                  |                       |       |
|---|--|---|----------------|-------------|------------|--------------|------------------|-----------------------|-------|
| Name of Panchayat :-                                      |  |   |                |             |            |              |                  |                       |       |
| Name of Work :- Pasture Land Development (NRM)            |  |   |                |             |            |              |                  |                       |       |
| Costing & Quantity Estimation of Pasture Land Development |  |   |                |             |            |              |                  |                       |       |
| 1.00  | Ha. Area for trenching.  | Size of trench                                      | 0.45 mt. Depth | 0.45        | mt. Width  |              |                  |                       |       |
| 33.3  | Mt. Contour to contour intervals   | 0.2025 Sqm cross section area of trench             |                |             |            |              |                  |                       |       |
| 80  | MM / Hr. Rainfall intensity of area  |   |                |             |            |              |                  |                       | 0.002 |
| 296   | Mt. trenching length required in one hectare of land                                       | Say CCT/ha.   | 300.00         |             |            |              |                  |                       |       |
| 50  | Rmt. Length of Ditch cum bund fencing per ha.  |   |                |             |            |              |                  |                       |       |
| 278   | Plants to be planted in one hectare  | Say   | 300            |             |            | 36.00        |                  | 2.5 x 2.5 mt. Spacing |       |
| 1.20  | Mt. Depth of cattle protection trench,   | Top width   | 1.5            |             |            |              |                  | Bottom width          | 0.9   |
| 1.44  | Sqm cross section area of DCB  | 60.00 Rmt. Length of Ditch cum bund fencing per ha. | Total C P      |             |            |              |                  |                       |       |
| S.no  | Particular   | Unit  | Quantity       | Labour Rate | Total Rate | Labour Cost  | Total Amount     |                       |       |
| (A)   | <b>Ditch cum bund</b>  |   |                |             |            |              |                  |                       |       |
| 1   | Dug belling work up to 5 to 7 cm depth. (4X60=240)   | Rmt.  | 240            | 1.00        | 1.00       | 240          | 240.00           |                       |       |
| 2   | Excavation of Ditch cum bund fencing   | Cum   | 86.4           |             |            |              |                  |                       |       |
| 3   | Hard Soil 40% (60X1.44X0.4=34.56)  | Cum   | 34.56          | 91          | 91         | 3144.96      | 3144.96          |                       |       |
| 4   | Ordinary Murrum 30% (60X1.44X0.3=25.92)  | Cum   | 25.92          | 99          | 99         | 2566.08      | 2566.08          |                       |       |
| 5   | Disintric Rock 30% (60X1.44X0.3=25.92)   | Cum   | 25.92          | 134         | 134        | 3473.28      | 3473.28          |                       |       |
| (B)   | <b>Thor fencing work</b>   |   |                |             |            |              |                  |                       |       |
| 6   | Excavation for thor fencing size 0.15x0.15x60 m  | Cum   | 1.35           | 91          | 91         | 122.85       | 122.85           |                       |       |
| (C)   | <b>Counter Trench</b>  |   |                |             |            |              |                  |                       |       |
| 7   | Layout ( by A-farm or dumpy level) for contouring.   | Rmt.  | 300            | 0.31        | 0.31       | 93           | 93.00            |                       |       |
| 8   | Dug belling work up to 5 to 7 cm depth for contouring. (2X300=600)                         | Rmt.  | 600            | 1.00        | 1.00       | 600          | 600.00           |                       |       |
| 40%   | Contour trench Excavation in 40 % Hard soil for trenching. (1X300X0.2025X0.40=24.30)       | Cum   | 24.3           | 91          | 91.00      | 2211.3       | 2211.30          |                       |       |
| 60%   | Contour trench Excavation in 60 % Ordinary Murrum for trenching. (1X300X0.2025X0.60=36.45) | Cum   | 36.45          | 99          | 99.00      | 3608.55      | 3608.55          |                       |       |
| (D)   | <b>Pits Work</b>   |   |                |             |            |              |                  |                       |       |
| 40%   | Pit digging in hard soil of size 45x45x45 Cm.  | Per pit   | 120            | 7.48        | 7.48       | 897.6        | 897.60           |                       |       |
| 60%   | Pit digging in moorm soil of size 45x45x45 Cm.   | Per pit   | 180            | 14.74       | 14.74      | 2653.2       | 2653.20          |                       |       |
| 9   | Ring making of 1.0 Mt. Radius & 30 Cm. width X 20 Cm. Depth.                               | Per plant   | 300            | 2.40        | 2.40       | 720          | 720.00           |                       |       |
| Note:- All Rates Apply Gramin kary Nirdesika 2011         |  |   |                |             |            | <b>Total</b> | <b>Rs.20,331</b> | <b>Rs.20,331</b>      |       |
|   |  |   |                |             |            | <b>Total</b> | <b>20331</b>     | <b>20331</b>          |       |
| Contengency 3%  |  |   |                |             |            |              | <b>610</b>       | <b>610</b>            |       |
| <b>Total Amount</b>                                       |  |   |                |             |            |              |                  | <b>20941</b>          |       |

**Panchayat samity - Shahpura, District - Bhilwara, State - Rajasthan,**

Name of Village :-

Name of Panchayat :-

**ALOEVERA**

(Production)

Name of Work :- Pasture Land Development

**Costing & Quantity Estimation of Pasture Land Development**

| S.no | Particular  | Unit          | Quantity | Labour Rate  | Total Rate   | Labour Cost     | Total Amount          |
|------|---|---------------|----------|--------------|--------------|-----------------|-----------------------|
| 1    | Ha. Area for P.D.   |               |          |              |              |                 |                       |
| 400  | Rmt. Length of Thore fencing per ha.  | Say           | 400      |              |              |                 |                       |
| 400  | Plants to be planted in one hectare   |               |          |              |              |                 | 1.0 x 1.0 mt. Spacing |
| (A)  | <b>Thor fencing work</b>  |               |          |              |              |                 |                       |
| 1    | Excavation for thor fencing size 0.15x0.15x60 m   | Cum           | 9.00     | 91           | 91           | 819.00          | 819.00                |
| 2    | Supply and cutting of 80 cm thor sticks.(7 No Danda /-Ha)   | Per 100 stick | 2800     | 74.3         | 174          | 2080.4          | 4872.00               |
| 3    | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. (70+30=100)      | Per 100 stick | 2800     | 100          | 100          | 2800            | 2800.00               |
| 4    | Rehandling work of thor sticks up to 200 to 500mt distance.   | Per 100 stick | 2800     | 76.5         | 76.5         | 2142            | 2142.00               |
| 5    | Planting of Thor sticks.  | Rmt.          | 400      | 6.93         | 6.93         | 2772            | 2772.00               |
|      | <b>Total</b>  |               |          |              |              | <b>10613.40</b> | <b>13405.00</b>       |
| (B)  | <b>Plantation work</b>  |               |          |              |              |                 |                       |
| 6    | Planting of Aloevera plant on Boundary of field & (0.6mx0.6m) spacing with complete work (400x0.6=240 Rmt)        | Per Rmt       | 240      | 9.97         | 9.97         | 2392.8          | 2392.8                |
| 7    | Cost of Aloevera Including Transportation 10 Km + Loading Unloading + Rehanding 50 %(3.75+0.94+0.297+0.3715=5.36) | Per plant     | 400      | 1            | 5.36         | 400             | 2144.00               |
| 8    | Grass Seeding work (Dhaman Seed)12 kg/-Ha   | Per Kg        | 12       | 0            | 50.00        | 0               | 600.00                |
| 9    | Making of Pallets   | Per Kg        | 12       | 18.9         | 18.90        | 226.8           | 226.80                |
| 10   | Spreading of Grass Seed   | Per Ha        | 1        | 160          | 160.00       | 160             | 160.00                |
|      | Note:- All Rates Apply Gramin kary Nirdesika 2011   |               |          | <b>Total</b> |              | <b>Rs.3,180</b> | <b>Rs.5,524</b>       |
|      |   |               |          |              | <b>Total</b> | <b>Rs.3,180</b> | <b>Rs.5,524</b>       |
|      | Add.3% Contengency  |               |          |              |              | <b>Rs.3,180</b> | <b>5523.60</b>        |
|      | <b>Grand Total</b>  |               |          |              |              |                 | <b>165.71</b>         |
|      |   |               |          |              |              |                 | <b>5689.31</b>        |

| Total Cost/ Ha | Labour Cost/ Ha | Material Cost/ Ha |
|----------------|-----------------|-------------------|
| 5689           | 3180            | 2510              |
| 19094          |                 |                   |
| 5689           |                 |                   |
| 13405          |                 |                   |

**Total Cost of Private Pasture Development**  
**Cost From w/s scheme**  
**Contribution From Farmer in terms of live fencing**

**Panchayat samity - Shahpura, District - Bhilwara, State - Rajasthan,**

|  |  |                          |                       |
|--|--|--------------------------|-----------------------|
| Name of Village :-   |  | Private Pasture MNREGS   |                       |
| Name of Panchayat :-   |  | Jaivik Bad(Production)   |                       |
| Name of Work :-  |  | Pasture Land Development | 1.0 x 1.0 mt. Spacing |
| <b>Costing &amp; Quantity Estimation of Pasture Land Development</b> |  |                          |                       |
| 1 Ha. Area for P.D,  |  |                          |                       |
| 400  | Rmt. Length of Thore fencing per ha.   | Say 400                  |                       |
| 400  | Plants to be planted in one hectare  |                          |                       |
| <b>S.no</b>  | <b>Particular</b>  | <b>Unit</b>              | <b>Quantity</b>       |
| <b>(A)</b>   | <b>Thor fencing work</b>   |                          |                       |
| 1  | Excavation for thor fencing size 0.15x0.15x60 m  | Cum                      | 9.00                  |
| 2  | Supply and cutting of 80 cm thor sticks.(7 No Danda /-Ha)  | Per 100 stick            | 2800                  |
| 3  | Transportation cost of thor sticks through bullock cart from 5 km distance, loading & unloading. (70+30=100) | Per 100 stick            | 2800                  |
| 4  | Rehandling work of thor sticks up to 200 to 500mt distance.  | Per 100 stick            | 2800                  |
| 5  | Planting of Thor sticks.   | Rmt.                     | 400                   |
|  | <b>Total</b>   |                          |                       |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना

योग

जोड़े 3 % पानी वाला आया

योग

जोड़े 2 % कण्टिन जैसी

कुल योग

**SAY**

लागत श्रम मद में

लागत सामग्री मद में

कुल योग

|            |          |
|------------|----------|
| 3066.48312 | 3066.48  |
| 10223      | 15055.60 |
| 306.68     | 306.68   |
| 10529      | 15362.29 |
|            | 307.25   |
|            | 15670    |
|            | 15700    |
|            | 10530    |
|            | 5170     |
|            | 15700    |

**Panchayat samity - Shahpura, District - Bhilwara, State - Rajasthan,**

|  |  |   |     |      |              |                       |
|--|--|---|-----|------|--------------|-----------------------|
| Name of Village :-   |  | ALOEVERA NRM                                  |     |      |              |                       |
| Name of Panchayat :-   |  | ALOEVERA NRM                                  |     |      |              |                       |
| Name of Work :-  |  | Pasture Land Development                      |     |      |              |                       |
| <b>Costing &amp; Quantity Estimation of Pasture Land Development</b> |  |   |     |      |              |                       |
| 1  | Ha. Area for P.D,  |   |     |      |              |                       |
| 400  | Rmt. Length of Thore fencing per ha.   |   |     |      |              |                       |
| 400  | Plants to be planted in one hectare  | Say   | 400 |      |              | 1.0 x 1.0 mt. Spacing |
| (A)  | <b>Plantation work</b>   |   |     |      |              |                       |
| 1  | Planting of Aloe vera plant on Boundary of field & (0.6m x 0.6m) spacing with complete work (400 x 0.6 = 240 Rmt)            | Per Rmt                                       | 240 | 9.97 | 9.97         | 2392.8                |
| 2  | Cost of Aloe vera Including Transportation 10 Km + Loading Unloading + Rehandling 50 % (3.75 + 0.94 + 0.297 + 0.3715 = 5.36) | Per plant                                     | 400 | 1    | 5.36         | 2144.00               |
| 3  | Grass Seeding work (Dhamaan Seed) 12 kg/-Ha  | Per Kg  | 12  | 0    | 50.00        | 600.00                |
| 4  | Making of Pallets  | Per Kg  | 12  | 18.9 | 18.90        | 226.80                |
| 5  | Spreading of Grass Seed  | Per Ha  | 1   | 160  | 160.00       | 160.00                |
| Note:- All Rates Apply Gramin kary Nirdesika 2011                    |  | <b>Total cost of pasture land development</b> |     |      |              | <b>Rs.3,180</b>       |
|  |  |   |     |      | <b>Total</b> | <b>Rs.5,524</b>       |
|  |  |   |     |      |              | <b>5523.60</b>        |
|  | Add. 3% Contingency  |   |     |      |              | <b>165.71</b>         |
|  | <b>Grand Total</b>   |   |     |      |              | <b>5689.31</b>        |

| Total Cost/ Ha | Labour Cost/ Ha | Material Cost/ Ha |
|----------------|-----------------|-------------------|
| 5689           | 3180            | 2510              |
| <b>5689</b>    |                 |                   |
| <b>5689</b>    |                 |                   |

**Total Cost of Private Pasture Development**

**Cost From w/s scheme**

**MODEL ESTIMATE OF ARABLE LAND (SEMI PUCCA BUND )**

| A      | Cross section of bund-  | 0.64     | Sqm  |             | Top Width    |                | 0.4            |
|--------|---|----------|------|-------------|--------------|----------------|----------------|
| B      | Length -  | 100      | Rmt  |             | Bottom Width |                | 2.15           |
|        |   |          |      |             | Height       |                | 0.5            |
| S. No. | Item  | Quantity | Unit | Labour Rate | Total Rate   | Labour Amount  | Total Amount   |
| 1      | Dug belling work up to 5-7 cm depth<br>4x100=400m   | 400      | Rm   | 0.88        | 0.88         | 352.00         | 352.00         |
| 2      | Earth work in hard soil for construction of bund including ramming compaction and dressing up to the lead of 50m and lift 1.5 m 0.64x100=64 cum | 64       | Cum  | 71.80       | 75.00        | 4595.20        | 4800.00        |
|        | <b>Total</b>  |          |      |             |              | <b>4947.20</b> | <b>5152.00</b> |

श्रम भाग में 30 % टास्क की कमी के कारण अतिरिक्त जोड़ना 2119.88 2119.88

योग **7067 7271.88**

जोड़े 3 % पानी वाला, आया 212.01 212.01

योग **7279 7483.89**

जोड़ 2 % कण्टिन जैसी 149.68

कुल योग 7634

**SAY 7700**

लागत श्रम मद में 7280

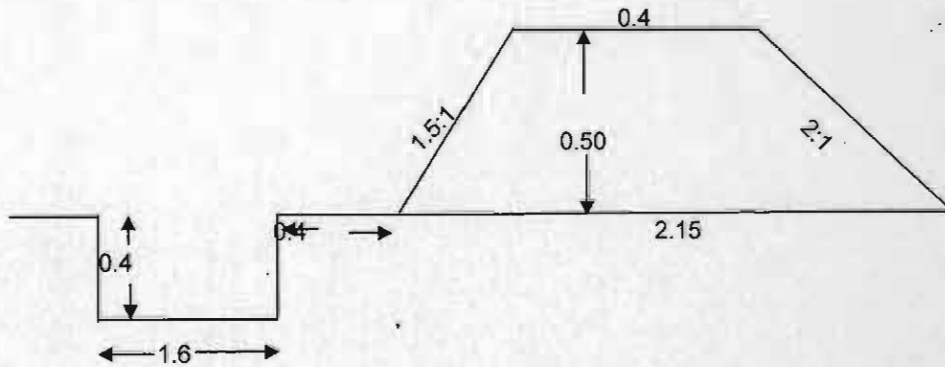
लागत सामग्री मद में 420

कुल योग 7700

**Say am 7700**

Per Rmt 77/-

Average length per Rm/Ha =110.00 Rm **Per Ha Cost 7700**



**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-गेहूँ                        |                       |                      |       |           |                |             |                        |             |       |  |  |
|---------------------------------------|-----------------------|----------------------|-------|-----------|----------------|-------------|------------------------|-------------|-------|--|--|
| किस्म:-राज.3077 / राज.4037 / एच.आई153 |                       |                      |       |           |                |             |                        |             |       |  |  |
| क.स.                                  | गतिविधि               | प्रकार               | युनिट | दर        | प्रति हेक्टेयर |             | प्रदर्शन हेतु(0.40हे.) |             | विवरण |  |  |
|                                       |                       |                      |       |           | मात्रा         | राशि        | मात्रा                 | राशि        |       |  |  |
| 1                                     | भूमि उपचार            | एण्डोसल्फोन 4:       | k.g   | 31/-kg.   | 25             | 775         | 10.0                   | 310         |       |  |  |
| 2                                     | बीज                   |                      | k.g   | 20/-kg.   | 125            | 2500        | 50.0                   | 1000        |       |  |  |
| 3                                     | बीज उपचार             |                      |       |           |                |             |                        |             |       |  |  |
| (I)                                   | दिमक नियंत्रण         | कलोरोपाइरीफास 20E.C. | M.L.  | 330LIT.   | 600            | 180         | 240.0                  | 72          |       |  |  |
| (II)                                  | बीज जनित रोगों के लिए | थाइरान               | gm.   | 0.20/-gm. | 312.5          | 62.5        | 125.0                  | 25          |       |  |  |
| (B.)                                  | कल्चर                 |                      |       |           |                |             |                        |             |       |  |  |
| (I)                                   | ऐजोटोवेक्टर           | तीन पैकेट पर्याप्त   |       | 12/Each   |                | 36          |                        | 14.4        |       |  |  |
| (II)                                  | पी.एस.बी.             | तीन पैकेट पर्याप्त   |       | 12/Each   |                | 36          |                        | 14.4        |       |  |  |
| (III)                                 |                       |                      |       |           |                |             |                        |             |       |  |  |
| 3                                     | उर्वरक                |                      |       |           |                |             |                        |             |       |  |  |
| (I)                                   | नत्रजन                |                      | k.g   |           | 80             |             | 32.0                   |             |       |  |  |
| (II)                                  | फास्फोरस              |                      | k.g   |           | 35             |             | 14.0                   |             |       |  |  |
| (III)                                 | डी.ए.पी.              |                      | k.g   | 10/kg.    | 77             | 770         | 30.8                   | 308         |       |  |  |
| (IV)                                  | यूरिया                |                      | k.g   | 6/kg.     | 146            | 873.048     | 58.2                   | 349.22      |       |  |  |
| 4                                     | सूक्ष्म तत्व          | जिंक सल्फेट          | k.g   | 50/kg.    | 25             | 1250        | 10.0                   | 500         |       |  |  |
| 5                                     | खरपतवार नियंत्रण      |                      |       |           |                |             |                        |             |       |  |  |
| (I)                                   |                       | 2-4,D (A.I)          | M.L.  | 250/LIT.  | 500            | 125         | 200.0                  | 50          |       |  |  |
| (II)                                  |                       |                      |       |           |                |             |                        |             |       |  |  |
| 6                                     | पौध संरक्षण           |                      |       |           |                |             |                        |             |       |  |  |
| (I)                                   | दिमक                  | एण्डोसल्फोन 35 EC    | LIT.  | 280/LIT.  | 2.5            | 700         | 1.0                    | 280         |       |  |  |
| <b>TOTAL</b>                          |                       |                      |       |           |                | <b>7308</b> | <b>771.0</b>           | <b>2923</b> |       |  |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-चना             |                  |                                |       |         |                |               |                        |               |       |  |  |
|--------------------------|------------------|--------------------------------|-------|---------|----------------|---------------|------------------------|---------------|-------|--|--|
| किसम:-प्रताप चना/RSG-888 |                  |                                |       |         |                |               |                        |               |       |  |  |
| क्र.स.                   | गतिविधि          | प्रकार                         | युनिट | राशि    | प्रति हेक्टेयर |               | प्रदर्शन हेतु(0.40हे.) |               | विवरण |  |  |
|                          |                  |                                |       |         | मात्रा         | राशि          | मात्रा                 | राशि          |       |  |  |
| 1                        | भूमि उपचार       | क्यूनालफास 1.5%                | k.g   | 28/-kg  | 25             | 700.0         | 10.0                   | 280           |       |  |  |
| 2                        | बीज              |                                | k.g   | 33/kg.  | 80             | 2640.0        | 32.0                   | 1056          |       |  |  |
| 3                        | बीज उपचार        |                                |       |         |                |               |                        |               |       |  |  |
| (I)                      | जड़गलन रोग       | 6gm. ट्राइकोडर्मा              |       |         |                | 10.0          |                        | 4             |       |  |  |
| (B.)                     | कल्चर            |                                |       |         |                |               |                        |               |       |  |  |
| (I)                      | राइजोबियम कल्चर  | तीन पैकेट पर्याप्त             |       | 12/Each |                | 36.0          |                        | 14.4          |       |  |  |
| (II)                     | PSM.             | तीन पैकेट पर्याप्त             |       | 12/Each |                | 36.0          |                        | 14.4          |       |  |  |
| 3                        | उर्वरक           |                                |       |         |                |               |                        |               |       |  |  |
| (I)                      | नत्रजन           |                                | k.g   |         | 20             |               | 8.0                    |               |       |  |  |
| (II)                     | फास्फोरस         |                                | k.g   |         | 40             |               | 16.0                   |               |       |  |  |
| (III)                    | डी.ए.पी.         |                                |       | 10/kg.  | 88             | 880.0         | 35.2                   | 352           |       |  |  |
| (IV)                     | यूरिया           |                                |       | 6/kg.   | 186            | 1114.1        | 74.3                   | 445.63        |       |  |  |
| 4                        | खरपतवार नियंत्रण |                                |       |         |                |               |                        |               |       |  |  |
| (I)                      |                  |                                |       |         |                |               |                        |               |       |  |  |
| (II)                     |                  |                                |       |         |                |               |                        |               |       |  |  |
| 5                        | पौधा संरक्षण     |                                |       |         |                |               |                        |               |       |  |  |
| (I)                      | कटवर्म           | मिथाइल पैराथियान 2%पूर्ण       | k.g   | 17/-kg. | 25             | 425.0         | 10.0                   | 170           |       |  |  |
| (II)                     | फलीछेदक          | मैलाथियान 5%या स्पूनालफास 1.5% | k.g   | 28/-kg. | 25             | 700.0         | 10.0                   | 280           |       |  |  |
| <b>TOTAL</b>             |                  |                                |       |         |                | <b>6541.1</b> | <b>195</b>             | <b>2616.4</b> |       |  |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-सरसो           |              |                         |       |          |                |             |                         |             |       |  |  |
|-------------------------|--------------|-------------------------|-------|----------|----------------|-------------|-------------------------|-------------|-------|--|--|
| किसम:-बायो 902/वसुन्धरा |              |                         |       |          |                |             |                         |             |       |  |  |
| क.स.                    | गतिविधि      | प्रकार                  | युनिट | राशि     | प्रति हेक्टेयर |             | प्रदर्शन हेतु (0.40हे.) |             | विवरण |  |  |
|                         |              |                         |       |          | मात्रा         | राशि        | मात्रा                  | राशि        |       |  |  |
| 1                       | भूमि उपचार   | एण्डोसल्फोन 4% चूर्ण    | k.g   | 31/-kg.  | 25             | 775         | 10.0                    | 310         |       |  |  |
|                         |              | जिप्सम                  | k.g   |          | 250            | 500         | 100.0                   | 200         |       |  |  |
| 2                       | बीज          |                         | k.g   | 38/-kg.  | 4              | 152         | 1.6                     | 61          |       |  |  |
| 3                       | बीज उपचार    |                         |       |          |                |             |                         |             |       |  |  |
| (I)                     |              | मैकोजेव 2gm./kg. बीज    |       | 400/-kg. |                | 10          |                         | 4           |       |  |  |
| (II)                    |              |                         |       |          |                |             |                         |             |       |  |  |
| (III)                   |              |                         |       |          |                |             |                         |             |       |  |  |
| (B.)                    | कल्चर        |                         |       |          |                |             |                         |             |       |  |  |
| (I)                     |              | तीन पैकेट पर्याप्त PSD. |       | 12/Each  |                | 36          |                         | 14.4        |       |  |  |
| (II)                    | PSM.         | तीन पैकेट पर्याप्त PSD. |       | 12/Each  |                | 36          |                         | 14.4        |       |  |  |
| 3                       | उर्वरक       |                         |       |          |                |             |                         |             |       |  |  |
| (I)                     | नत्रजन       |                         | k.g   |          | 60             |             | 24.0                    |             |       |  |  |
| (II)                    | फास्फोरस     |                         | k.g   |          | 30             |             | 12.0                    |             |       |  |  |
| (III)                   | डी.ए.पी.     |                         |       | 10/kg.   | 66             | 660         | 26.4                    | 264         |       |  |  |
| (IV)                    | यूरिया       |                         |       | 6/kg.    | 121            | 728.64      | 48.6                    | 291.456     |       |  |  |
| 4                       | सूक्ष्म तत्व | गंधकचूर्ण               | gm.   | 10       | 40             | 400         | 16.0                    | 160         |       |  |  |
|                         |              | <b>TOTAL</b>            |       |          |                | <b>3298</b> | <b>238.6</b>            | <b>1319</b> |       |  |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-मक्का                   |                  |                              |       |           |                |             |                        |             |       |  |
|----------------------------------|------------------|------------------------------|-------|-----------|----------------|-------------|------------------------|-------------|-------|--|
| किस:-प्रताप संकर मक्का 1 / चवजोत |                  |                              |       |           |                |             |                        |             |       |  |
| क.सं.                            | गतिविधि          | प्रकार                       | युनिट | राशि      | प्रति हेक्टेयर |             | प्रदर्शन हेतु(0.40हे.) |             | विवरण |  |
|                                  |                  |                              |       |           | मात्रा         | राशि        | मात्रा                 | राशि        |       |  |
| 1                                | भूमि उपचार       | दीमक एण्डोसल्फोन 4% घूर्ण    | k.g   | 31/-kg.   | 25             | 775         | 10.0                   | 310         |       |  |
| 2                                | बीज              |                              | k.g   | 30/-kg.   | 20             | 600         | 8.0                    | 240         |       |  |
| 3                                | बीज उपचार        |                              |       |           |                |             |                        |             |       |  |
| (I)                              | तुलासिता रोग     | रिडोमिल m.z. 4gm./kg. बीज    | gm.   |           | 80             | 120         | 32.0                   | 48          |       |  |
| (II)                             | दीमक नियंत्रण    | 3m.l. एण्डोसल्फान /kg बीज    |       | 31/-kg.   |                | 25          |                        | 10          |       |  |
| (III)                            |                  | थाइराम                       | gm.   |           | 3              | 69          | 1.2                    | 27.6        |       |  |
| (B.)                             | कल्चर            |                              |       |           |                |             |                        |             |       |  |
| (I)                              |                  | एजोटोवेक्टर कल्चर से उपचारित |       |           |                | 100         |                        | 40          |       |  |
| (II)                             | फास्फोरस         | तीन पैकेट फास्फोवेक्टिन PSD. |       | 12/Each   |                | 36          |                        | 14.4        |       |  |
| (III)                            | PSM.             | तीन पैकेट फास्फोवेक्टिन PSD. |       | 12/Each   |                | 36          |                        | 14.4        |       |  |
| 3                                | उर्वरक           |                              |       |           |                |             |                        |             |       |  |
| (I)                              | नत्रजन           |                              | k.g   |           | 60             |             | 24.0                   |             |       |  |
| (II)                             | फास्फोरस         |                              | k.g   |           | 30             |             | 12.0                   |             |       |  |
| (III)                            | डी.ए.पी.         |                              |       | 10/kg.    | 66             | 660         | 26.4                   | 264         |       |  |
| (IV)                             | यूरिया           |                              |       | 6/kg.     | 121            | 728.64      | 48.6                   | 291.456     |       |  |
| 4                                | सूक्ष्म तत्व     | जस्ते की कमी पर znso4        | k.g   | 50/kg.    | 25             | 1250        | 10.0                   | 500         |       |  |
| 5                                | खरपतवार नियंत्रण | 500gm. एटजीन (A.I.)          | LIT.  | 180/-PKT. | 600            | 108         | 240.0                  | 43          |       |  |
|                                  |                  | 1.5kg. एलाक्लोर              |       |           |                | 100         |                        | 40          |       |  |
| 6                                | पौध संरक्षण      |                              |       |           |                |             |                        |             |       |  |
| (I)                              | एफिड             | मिथाइल डिमेटोन 25E.C.        | LIT.  |           | 1              | 100         |                        | 40          |       |  |
| <b>TOTAL</b>                     |                  |                              |       |           |                | <b>4708</b> | <b>412</b>             | <b>1883</b> |       |  |

जल ग्रहण क्षेत्र में फसल प्रदर्शन

| नाम फसल:- उड़द         |                  |                           |       |           |                |        |                          |              |             |  |  |  |
|------------------------|------------------|---------------------------|-------|-----------|----------------|--------|--------------------------|--------------|-------------|--|--|--|
| किस्म:- कृष्णा / टी .9 |                  |                           |       |           |                |        |                          |              |             |  |  |  |
| क.स.                   | गतिविधि          | प्रकार                    | युनिट | राशि      | प्रति हेक्टेयर |        | प्रदर्शन हेतु (0.40 हे.) |              | विवरण       |  |  |  |
|                        |                  |                           |       |           | मात्रा         | राशि   | मात्रा                   | राशि         |             |  |  |  |
| 1                      | भूमि उपचार       | मिथाइल पैराथियान 2% चूर्ण | k.g   | 17/-kg.   | 25             | 425    | 10.0                     | 170          |             |  |  |  |
| 2                      | बीज              |                           | k.g   | 47/-kg.   | 15             | 705    | 6.0                      | 282          |             |  |  |  |
| 3                      | बीज उपचार        |                           |       |           |                |        |                          |              |             |  |  |  |
| (I)                    |                  | थाइराम                    | gm.   | 23        | 3              | 69     | 1.2                      | 27.6         |             |  |  |  |
| (B.)                   | कल्चर            |                           |       |           |                |        |                          |              |             |  |  |  |
| (I)                    | राइजोबियम कल्चर  | तीन पैकेट पर्याप्त        |       | 12/Each   |                | 36     |                          | 14.4         |             |  |  |  |
| (II)                   | PSM.             | तीन पैकेट पर्याप्त        |       | 12/Each   |                | 36     |                          | 14.4         |             |  |  |  |
| (III)                  |                  |                           |       |           |                |        |                          |              |             |  |  |  |
| 3                      | उर्वरक           |                           |       |           |                |        |                          |              |             |  |  |  |
| (I)                    | नत्रजन           |                           | k.g   |           | 10             |        | 4.0                      |              |             |  |  |  |
| (II)                   | फास्फोरस         |                           | k.g   |           | 30             |        | 12.0                     |              |             |  |  |  |
| (III)                  | डी.ए.पी.         |                           |       | 10/kg.    | 66             | 660    | 26.4                     | 264          |             |  |  |  |
| (IV)                   | यूरिया           |                           |       | 6/kg.     | 141            | 847.44 | 56.5                     | 338.976      |             |  |  |  |
| 4                      | सूक्ष्म तत्व     |                           |       |           |                |        |                          |              |             |  |  |  |
| 5                      | खरपतवार नियंत्रण | फ्लूक्लोसिन (A.I.)        | LIT.  | 500/-LIT. | 1              | 500    |                          | 200          |             |  |  |  |
| <b>TOTAL</b>           |                  |                           |       |           |                |        | <b>3278.44</b>           | <b>116.1</b> | <b>1311</b> |  |  |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

नाम फसल:- मूंग

किस्म:- पूसा बैशाखी /Rmg-902

| क्र.स.       | गतिविधि      | प्रकार                    | युनिट | राशि    | प्रति हेक्टेयर |        | (प्रदर्शन हेतु(0.40हे.) |             | विवरण |
|--------------|--------------|---------------------------|-------|---------|----------------|--------|-------------------------|-------------|-------|
|              |              |                           |       |         | मात्रा         | राशि   | मात्रा                  | राशि        |       |
| 1            | भूमि उपचार   | मिथाइल पैराथियान 2% चूर्ण | k.g   | 17/-kg. | 25             | 425    | 10.0                    | 170         |       |
| 2            | बीज          |                           | k.g   | 41/-kg. | 15             | 615    | 6.0                     | 246         |       |
| 3            | बीज उपचार    |                           |       |         |                |        |                         |             |       |
| (I)          |              |                           |       |         |                |        |                         |             |       |
| (II)         |              |                           |       |         |                |        |                         |             |       |
| (III)        |              |                           |       |         |                |        |                         |             |       |
| (B.)         | कल्चर        |                           |       |         |                |        |                         |             |       |
| (I)          | PSM.         | तीन पैकेट पर्याप्त        |       | 12/Each |                | 36     |                         | 14.4        |       |
| (II)         | राइजोबियम    | तीन पैकेट पर्याप्त        |       | 12/Each |                | 36     |                         | 14.4        |       |
| (III)        |              |                           |       |         |                |        |                         |             |       |
| 3            | उर्वरक       |                           |       |         |                |        |                         |             |       |
| (I)          | नत्रजन       |                           | kg.   |         | 10             |        | 4.0                     |             |       |
| (II)         | फास्फोरस     |                           | kg.   |         | 30             |        | 12.0                    |             |       |
| (III)        | डी.ए.पी.     |                           |       | 10/kg.  | 66             | 660    | 26.4                    | 264         |       |
| (IV)         | यूरिया       |                           |       | 6/kg.   | 141            | 847.44 | 56.5                    | 338.976     |       |
| 4            | सूक्ष्म तत्व |                           |       |         |                |        |                         |             |       |
| <b>TOTAL</b> |              |                           |       |         |                |        | <b>114.9</b>            | <b>1048</b> |       |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-लिल          |                         |                                    |       |           |              |                |                          |             |       |  |  |
|-----------------------|-------------------------|------------------------------------|-------|-----------|--------------|----------------|--------------------------|-------------|-------|--|--|
| क्रि.सं.-RT.-46/TC-25 |                         |                                    |       |           |              |                |                          |             |       |  |  |
| क.स.                  | गतिविधि                 | प्रकार                             | युनिट | राशि      | प्रति हेक्टर |                | (प्रदर्शन हेतु (0.40हे.) |             | विवरण |  |  |
|                       |                         |                                    |       |           | मात्रा       | राशि           | मात्रा                   | राशि        |       |  |  |
| 1                     | भूमि उपचार              | मिथाइल पैराथियान 2% चूर्ण          | k.g   | 17/-kg.   | 25           | 425            | 10.0                     | 170         |       |  |  |
|                       |                         | जिप्सम                             | k.g   |           | 250          | 500            | 100.0                    | 200         |       |  |  |
| 2                     | बीज                     |                                    | k.g   | 137/-kg.  | 2            | 274            | 0.8                      | 110         |       |  |  |
| 3                     | बीज उपचार               |                                    |       |           |              |                |                          |             |       |  |  |
| (I)                   |                         | थाइराम                             | gm.   | 23        | 3            | 69             | 1.2                      | 27.6        |       |  |  |
| (II)                  | जीवाणु अंगमारी रोग हेतु | स्ट्रेप्टोसाइक्लिन 10lit. पानी में | gm.   | 40/-isdSV | 2            | 80             | 0.8                      | 32          |       |  |  |
| (III)                 |                         |                                    |       |           |              |                |                          |             |       |  |  |
| (B.)                  | कल्चर                   |                                    |       |           |              |                |                          |             |       |  |  |
| (i)                   | एजोटोवेक्टर             | तीन पैकेट पर्याप्त                 |       | 12/Each   |              | 36             |                          | 14.4        |       |  |  |
| (ii)                  | PSM.                    | तीन पैकेट पर्याप्त                 |       | 12/Each   |              | 36             |                          | 14.4        |       |  |  |
| (iii)                 |                         |                                    |       |           |              |                |                          |             |       |  |  |
| 3                     | उर्वरक                  |                                    |       |           |              |                |                          |             |       |  |  |
| (I)                   | नत्रजन                  |                                    | k.g   |           | 20           |                | 8.0                      |             |       |  |  |
| (II)                  | फास्फोरस                |                                    | k.g   |           | 25           |                | 10.0                     |             |       |  |  |
| (III)                 | डी.ए.पी.                |                                    |       | 10/kg.    | 55           | 550            | 22.0                     | 220         |       |  |  |
| (IV)                  | यूरिया                  |                                    |       | 6/kg.     | 113          | 678.48         | 45.2                     | 271.392     |       |  |  |
| 4                     | सूक्ष्म तत्व            | जिप्सम का प्रयोग                   |       |           |              |                |                          |             |       |  |  |
| 5                     | खरपतवार नियंत्रण        | ऐलाक्लोर (A.I.)                    | k.g   |           | 1.5          | 100            | 0.6                      | 40          |       |  |  |
| <b>TOTAL</b>          |                         |                                    |       |           |              | <b>2748.48</b> | <b>198.6</b>             | <b>1099</b> |       |  |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:- ग्वार                      |                  |                     |       |          |                |         |                          |         |       |              |             |  |
|--------------------------------------|------------------|---------------------|-------|----------|----------------|---------|--------------------------|---------|-------|--------------|-------------|--|
| किसम:- दुर्गापुरा सफेद / पूसा नवबहार |                  |                     |       |          |                |         |                          |         |       |              |             |  |
| क्र.स.                               | गतिविधि          | प्रकार              | युनिट | राशि     | प्रति हेक्टेयर |         | प्रदर्शन हेतु (0.40 हे.) |         | विवरण |              |             |  |
|                                      |                  |                     |       |          | मात्रा         | राशि    | मात्रा                   | राशि    |       |              |             |  |
| 1                                    | भूमि उपचार       |                     |       |          |                |         |                          |         |       |              |             |  |
| 2                                    | बीज              |                     | k.g   | 40/-kg.  | 15             | 600     | 6.0                      | 240     |       |              |             |  |
| 3                                    | बीज उपचार        |                     |       |          |                |         |                          |         |       |              |             |  |
| (I)                                  | अंगमापी रोग      | 250ppm. एग्मीमाइसिन |       | 60       |                | 563     |                          | 225     |       |              |             |  |
| (II)                                 | थाइसम            |                     | gm.   | 23       | 3              | 69      | 1.2                      | 27.6    |       |              |             |  |
| (III)                                |                  |                     |       |          |                |         |                          |         |       |              |             |  |
| (B.)                                 | कल्चर            |                     |       |          |                |         |                          |         |       |              |             |  |
| (I)                                  | राइजोबियम कल्चर  | तीन पैकेट पर्याप्त  |       | 12/Each  |                | 36      |                          | 14.4    |       |              |             |  |
| (II)                                 | PSM.             | तीन पैकेट पर्याप्त  |       | 12/Each  |                | 36      |                          | 14.4    |       |              |             |  |
| (III)                                |                  |                     |       |          |                |         |                          |         |       |              |             |  |
| 3                                    | उर्वरक           |                     |       |          |                |         |                          |         |       |              |             |  |
| (I)                                  | नत्रजन           |                     | k.g   |          | 10             |         | 4.0                      |         |       |              |             |  |
| (II)                                 | फास्फोरस         |                     | k.g   |          | 40             |         | 16.0                     |         |       |              |             |  |
| (III)                                | डी.ए.पी.         |                     |       | 10/kg.   | 88             | 880     | 35.2                     | 352     |       |              |             |  |
| (IV)                                 | यूरिया           |                     |       | 6/kg.    | 190            | 1137.84 | 75.9                     | 455.136 |       |              |             |  |
| 4                                    | सूक्ष्म तत्व     | जिंक सल्फेट         | k.g   | 50/-kg.  | 25             | 1250    | 10.0                     | 500     |       |              |             |  |
| 5                                    | खरपतवार नियंत्रण | 2-4,D- एस्टरसाल्ट   | gm.   | 250/-kg. | 500            | 125     | 200.0                    | 50      |       |              |             |  |
| <b>TOTAL</b>                         |                  |                     |       |          |                |         |                          |         |       | <b>348.3</b> | <b>1879</b> |  |

**जल ग्रहण क्षेत्र में फसल प्रदर्शन**

| नाम फसल:-ज्वार                   |              |                      |       |         |                |      |                        |       |       |  |  |
|----------------------------------|--------------|----------------------|-------|---------|----------------|------|------------------------|-------|-------|--|--|
| किसम:-राजस्थान चरी- 1,2@CSSH&5,6 |              |                      |       |         |                |      |                        |       |       |  |  |
| क.स.                             | गतिविधि      | प्रकार               | युनिट | राशि    | प्रति हेक्टेयर |      | प्रदर्शन हेतु(0.40हे.) |       | विवरण |  |  |
|                                  |              |                      |       |         | मात्रा         | राशि | मात्रा                 | राशि  |       |  |  |
| 1                                | भूमि उपचार   | एण्डोसल्फोन 4% चूर्ण | k.g   | 31/-kg. | 25             | 775  | 10.0                   | 310   |       |  |  |
| 2                                | बीज          | दाने हेतु            | k.g   | 30/-kg. | 10             | 300  | 4.0                    | 120   |       |  |  |
| 3                                | बीज उपचार    | चारे हेतु            | k.g   |         | 25             |      | 10.0                   |       |       |  |  |
| (I)                              |              | थाइराम               | gm.   | 23      | 3              | 69   | 1.2                    | 27.6  |       |  |  |
| (II)                             |              | गंधकचूर्ण            | gm.   | 110     | 4              | 440  | 1.6                    | 176   |       |  |  |
| (III)                            |              |                      |       |         |                |      |                        |       |       |  |  |
| (B.)                             | कल्चर        |                      |       |         |                |      |                        |       |       |  |  |
| (I)                              | ऐजोटोबेक्टर  | तीन पैकेट पर्याप्त   |       | 12/Each |                | 36   |                        | 14.4  |       |  |  |
| (II)                             | PSM.         | तीन पैकेट पर्याप्त   |       | 12/Each |                | 36   |                        | 14.4  |       |  |  |
| (III)                            |              |                      |       |         |                |      |                        |       |       |  |  |
| 3                                | उर्वरक       |                      |       |         |                |      |                        |       |       |  |  |
| (I)                              | नत्रजन       |                      | k.g   |         | 80             |      | 32.0                   |       |       |  |  |
| (II)                             | फास्फोरस     |                      | k.g   |         | 45             |      | 18.0                   |       |       |  |  |
| (III)                            | डी.ए.पी.     |                      |       | 10/kg.  | 99             | 990  | 39.6                   | 396   |       |  |  |
| (IV)                             | यूरिया       |                      |       | 6/kg.   | 186            | 1116 | 74.4                   | 446.4 |       |  |  |
| 4                                | सूक्ष्म तत्व | जिक सल्फेट का प्रयोग | k.g   | 50/-kg. | 25             | 1250 | 10.0                   | 500   |       |  |  |
|                                  |              |                      |       |         |                |      | 5012                   | 201   | 2005  |  |  |
| TOTAL                            |              |                      |       |         |                |      |                        |       |       |  |  |

| व्यवसाय       | कारीगर प्रशिक्षण   |   |
|---------------|--|---|
| प्रस्तावना    | यह प्रशिक्षण उसी स्थान पर दिया जायेगा जहां पर निर्माण कार्य चल रहा है। ताकि निर्माण सामग्री की अलग से व्यवस्था नहीं करनी पड़े तथा प्रशिक्षण में उपयोग में ली जा रही सामग्री को निर्माण कार्य में उपयोग में लिया जा सके तथा सामग्री का अपव्यय न्यून हो।         |   |
| बाजार संभावना | ग्रामीण क्षेत्र में निर्माण कार्य आवास, सड़क, तालाब, एनीकट इत्यादि निरन्तर बनते रहते हैं। तथा मांग बनी रहती है।  |   |
| वित्तीय पहलू  | 1 प्रशिक्षण व्यवस्था(5 प्रशिक्षणार्थी )<br>1 मास्टर ट्रेनर 250/- दिन 15 दिवस हेतु<br>2 निर्माण सामग्री जो प्रशिक्षण के दौरान उपयोग होगी<br>3 आवास एवं भोजन व्यवस्था 100/- प्रति व्यक्ति<br>2 स्थाई लागत<br>1 टूल किट 2000/- प्रति व्यक्ति<br>योजना की कुल लागत | 3750.00<br>5000.00<br>7500.00<br>10000.00<br>26250.00 |

| व्यवसाय            | पुताई एवं रंग रोगन का व्यवसाय स्प्रे मशीन द्वारा  |   |
|--------------------|---|---|
| प्रस्तावना         | ग्रामीण बेरोजगार शहरों में आकर इस कार्य को करते हैं। वर्तमान में अधिकांश मजदूर हाथ से ही इस कार्य को करते हैं। अतः स्प्रे मशीन द्वारा कार्य किया जाये तो श्रम भी कम लगेगा एवं कार्य की गुणवत्ता में भी सुधार आयेगा।   |   |
| बाजार संभावना      | दीपावली से पूर्व लगभग समस्त मकानों में यह कार्य होता है। तथा नये बनने वाले मकानों में निरन्तर कार्य रहता है।  |   |
| प्रशिक्षण आवश्यकता | न्यूनतम 10 दिवस का प्रशिक्षण आवश्यक है।   |   |
| वित्तीय पहलू       | 1 प्रशिक्षण व्यय(5 प्रशिक्षणार्थी )<br>1 आवास/भोजन व्यवस्था रु. 100/- प्रति व्यक्ति<br>2 मास्टर ट्रेनर रु. 300/-दिवस<br>3 रॉ मेटेरियल<br>स्थाई लागत<br>1 स्प्रे मशीन 4000/-प्रति व्यक्ति<br>2 एसेसरीज 1000/-प्रति व्यक्ति<br>3 ब्रश के सेट प्रत्येक के लिये रु. 500/-प्रति व्यक्ति<br>योजना की कुल लागत 40500/- | 5000.00<br>3000.00<br>5000.00<br>20000.00<br>5000.00<br>2500.00<br>27500.00 |

दरें आयुक्त जनजाति क्षेत्रीय विकास विभाग द्वारा अनुमोदित।

| व्यवसाय           | सिलाई प्रशिक्षण  |   |                       |
|-------------------|--|---|-----------------------|
| प्रस्तावना        | ग्रामीण क्षेत्र में इस व्यवसाय की आवश्यकता रहती है। इस हेतु महिलाओं को प्राथमिकता दी जाना उचित है। |   |                       |
| बाजार संभावना     | निरन्तर आवश्यकता रहती है (न्यूनतम 30 दिवस का प्रशिक्षण आवश्यक है।)                                 |   |                       |
| वित्तीय पहलू      | अ-प्रशिक्षण व्यवस्था (5 प्रशिक्षणार्थी)  |   |                       |
|                   | 1  | आवास/भोजन व्यवस्था रु. 100/- प्रति व्यक्ति        | 15000.00              |
|                   | 2  | मास्टर ट्रेनर 300/- प्रति दिवस                    | 9000.00               |
|                   | 3  | रों मटेरियल 500/- प्रति व्यक्ति                   | 2500.00               |
|                   | 3  | किराया राशि 100/- रु. प्रति व्यक्ति               | 500.00                |
|                   |  |   | <b>TOTAL 27000.00</b> |
|                   | ब-स्थाई लागत   |   |                       |
|                   | 1  | पेड़ल वाली सिलाई मशीन रु. 4000/-                  | 20000.00              |
|                   | 2  | अन्य सामग्री केची, फीता, बॉक्स रु. 1000/प्रति सेट | 5000.00               |
|                   | 3  | टेबल एवं स्टूल 500/- रु. प्रति व्यक्ति            | 2500.00               |
| 4                 | कपड़ा 2000/- प्रति व्यक्ति   | 10000.00  |                       |
| 5                 | इलेक्ट्रीक प्रेस 500/- रु. प्रति व्यक्ति   | 2500.00   |                       |
|                   |  | <b>TOTAL 40000.00</b>                             |                       |
| योजना की कुल लागत |  | 67000.00  |                       |

| व्यवसाय            | साइकिल किराया एवं मरम्मत   |   |                       |
|--------------------|--|---|-----------------------|
| प्रस्तावना         | ग्रामीण क्षेत्र में साइकिल बहुत उपयोग में ली जाती है अतः स्थानीय स्तर पर मरम्मत की सुविधा आवश्यक है। |   |                       |
| प्रशिक्षण आवश्यकता | 10 दिवस का प्रशिक्षण आवश्यक है।  |   |                       |
| वित्तीय पहलू       | अ-प्रशिक्षण व्यय (3 प्रशिक्षणार्थी)  |   |                       |
|                    | 1  | आवास/भोजन व्यवस्था रु. 100/- प्रति व्यक्ति        | 3000.00               |
|                    | 2  | मास्टर ट्रेनर 300/- प्रति दिवस                    | 3000.00               |
|                    | 3  | रों मटेरियल                                       | 1000.00               |
|                    |  |   | <b>TOTAL 7000.00</b>  |
|                    | ब-स्थाई लागत   |   |                       |
|                    | 1  | टूल किट 2000/- प्रति सेट                          | 6000.00               |
|                    | 2  | किराये हेतु साइकिल 3 नंग प्रति व्यक्ति (9 साइकिल) | 18000.00              |
|                    | 3  | कार्य शील पूंजी व अन्य व्यय                       | 3000.00               |
|                    |  |   | <b>TOTAL 27000.00</b> |
| कुल लागत           |  | 34000.00  |                       |

दरें आयुक्त जनजाति क्षेत्रीय विकास विभाग द्वारा अनुमोदित।

## महिला स्वयं सहायता समूह योजना

मसाला उद्योग

इकाई लागत(वैयक्तिक)

इकाई लागत का विस्तृत विवरण

1भूमि एवं भवन (किराये पर)15वर्गमीटर क्षेत्रफल (कर्वड़) तथा लगभग 20 वर्गमीटर खुली जगह

2मशीन एवं उपकरण

| सामग्री  | नंग         | दर       | लागत                 |
|--|-------------|----------|----------------------|
| 1 1:10 पल्वेराईजर 5हार्सपावर 960 आर.पी.एम. की मोटर सहित पट्टे की चरखी,आधार के वोल्ड्स ड्रे इत्यादि | 1           | 27500.00 | 27500.00             |
| 2 10किलोग्राम क्षमता का तराजु,बाटें सहित   | 1           | 1500.00  | 1500.00              |
| 3 छान्ने की मशीन लोकल मेड़   | 1           | 600.00   | 600.00               |
| 4 हॉट सिलिंग आयरन  | 1           | 650.00   | 650.00               |
| 5 विधुतीकरण खर्च   |             |          | 1000.00              |
| 6 कार्यालय फर्नीचर एवं उपकरण खर्च  |             |          | 1000.00              |
| <b>योग</b>   |             |          | <b>32250.00</b>      |
| 3 आवर्ती खर्च (प्रतिमाह)   |             |          |                      |
| 1 कर्मचारी एवं श्रमिक  |             |          |                      |
| अ. पर्यवेक्षक  |             |          | लाभार्थी स्वयं रहेगा |
| ब. कुशल कारीगर   |             |          | लाभार्थी स्वयं रहेगा |
| स. अकुशल कारीगर  |             |          | लाभार्थी स्वयं रहेगा |
| 2 कच्चा माल (प्रतिमाह)   |             |          |                      |
| अ. लाल मिर्च (सुखी) हल्दी,धनिया  | 20 कि.ग्रा. | 380      | 7600.00              |
| ब. पैकिंग मटेरियल  |             |          | 300.00               |
| <b>योग</b>   |             |          | <b>7900.00</b>       |
| 3 अन्य खर्च  |             |          |                      |
| अ. किराया (भूमि एवं भवन)   |             |          |                      |
| ब. स्टेशनरी एवं प्रचार-प्रसार  |             |          | 200.00               |
| स. मरम्मत एवं रख-रखाव  |             |          | 100.00               |
| द. परिवहन व्यय   |             |          | 200.00               |
| यु. बिजली  |             |          | 800.00               |
| <b>योग</b>   |             |          | <b>1300.00</b>       |
| 4 कार्यशील पुंजी (प्रतिमाह)  |             |          |                      |
| 1 कच्चा माल  |             |          | 7900.00              |
| 2 अन्य खर्च  |             |          | 1300.00              |
| <b>योग</b>   |             |          | <b>9200.00</b>       |
| 4 कुल पुंजी निवेश  |             |          |                      |
| अ. स्थाई पुंजी   |             |          | 33000.00             |
| ब. कार्यशील पुंजी (प्रतिमाह)   |             |          | 9200.00              |
| <b>योग</b>   |             |          | <b>42200.00</b>      |

नोट :- 1 प्रशिक्षण की आवश्यकता नहीं है।

2 क.सं. 1से 6 तक वर्णित मशीन एवं उपकरण 5 व्यक्तियों के समूह तक एक ही प्रदान किया जायेगा।

दरें आयुक्त, जनजाति क्षेत्रीय विकास विभाग द्वारा अनुमोदित।

महिला स्वयं सहायता समूह योजना

(राशि रुपये में)

ग्रामीण कुम्हारी उद्योग

इकाई लागत (वैयक्तिक)

22000.00

इकाई लागत का विस्तृत विवरण

वित्तीय पहलू

अ. भूमि एवं भवन

स्वयं-का

ब. मशीनरी एवं उपकरण

1 भट्टी 1

5000.00

2 मोटर राईण्ड चाक 1

4600.00

3 टूलकिट एवं अन्य व्यय

400.00

योग

10000.00

स. कार्यालय उपकरण आदि

द. कुल अनावर्ती व्यय

य. आवर्ती व्यय

1 श्रमिक

घर के सहयोग करेंगे।

2 कच्चा माल

39000.00

3 अन्य व्यय (किराया, विद्युत, जल, यात्रा एवं

1000.00

परिवहन, पोस्टेज एवं अन्य व्यय

40000.00

योग

परियोजना लागत

1 अनावर्ती व्यय

10000.00

2 आवर्ती व्यय (80 दिन हेतु)

12000.00

योग

22000.00

प्रशिक्षण:-

प्रशिक्षण की आवश्यकता नहीं है।

दरें आयुक्त जनजाति क्षेत्रीय विकास विभाग द्वारा अनुमोदित।

**Cost of cultivation of Bhindi, Coriander, Tinda (0.1ha. model)**

| <b>I Cost</b> |   | <b>Feb. to may</b>   |                  |                     |
|---------------|---|----------------------|------------------|---------------------|
| <b>SI.NO.</b> | <b>Item of investment</b>                               | <b>Quantity/Unit</b> | <b>Rate /Kg.</b> | <b>Amount (Rs.)</b> |
| <b>A</b>      | <b>Operations</b>                                       | <b>Mandays</b>       |                  |                     |
| 1             | Land preparation & laying beds                          | 3                    |                  | 450                 |
| 2             | Nursery development                                     | 3                    |                  | 450                 |
| 3             | Transplantation cost                                    | 1                    |                  | 150                 |
| 4             | Application of FYM, organic fertilisers and pesticides  | 3                    |                  | 450                 |
| 5             | Weeding and intercultural operation                     | 5                    |                  | 750                 |
| 6             | Harvesting  | 5                    |                  | 750                 |
| 7             | Grading, packing/crating, labelling                     | 3                    |                  | 450                 |
|               | <b>Total Operational cost</b>                           | <b>23</b>            |                  | <b>3450</b>         |
| <b>B</b>      | <b>Materials</b>  |                      |                  |                     |
| 1             | Planting material                                       |                      |                  | 200                 |
|               | Bhindi (0.05 ha.)                                       | 0.5 kg.              | 800              | 400                 |
|               | Coriander (0.03 ha.)                                    | 0.36 kg.             | 400              | 144                 |
|               | Tinda (0.02 ha.)  | 0.05 kg.             | 300              | 15                  |
| 2             | Farm Yard Manure  | 2.5 tonnes           | 1000             | 2500                |
| 3             | Neem cake   | 4 kg                 |                  | 25                  |
| 4             | Azospirillum, Ryzobium, Potassium solubilising bacteria | L.S                  |                  | 400                 |
|               | <b>Total material costs</b>                             |                      |                  | <b>3684</b>         |
|               | <b>Total cost (A+B)</b>                                 |                      |                  | <b>7134</b>         |

**Cost of cultivation of tomato,chilli,onoin,Bhindi (0.1ha. model)**

**I Cost**

**June to September**

| SI.NO.   | Item of investment                                     | Quantity/Unit  | Rate /Kg. | Amount (Rs.) |
|----------|--|----------------|-----------|--------------|
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |           |              |
| 1        | Land prepartation & laying beds                        | 3              |           | 450          |
| 2        | Nuresery development                                   | 3              |           | 450          |
| 3        | Transplantation cost                                   | 1              |           | 150          |
| 4        | Application of FYM, organic fertilisers and pesticides | 3              |           | 450          |
| 5        | Weeding and intercultural operation                    | 5              |           | 750          |
| 6        | Harvesting   | 5              |           | 750          |
| 7        | Grading, packing/crating, labelling                    | 3              |           | 450          |
|          | <b>Total Operational cost</b>                          | <b>23</b>      |           | <b>3450</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |           |              |
| 1        | Planting material                                      |                |           | 200          |
|          | Tometo (0.02 ha.)                                      | 0.005 kg.      | 20000     | 100          |
|          | Bhindi (0.03 ha.)                                      | 0.3 kg.        | 800       | 240          |
|          | Chilli (0.02 ha.)                                      | 0.006 kg.      | 30000     | 180          |
|          | Onion (0.03 ha.)                                       | 0.3 kg.        | 15000     | 4500         |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000      | 2500         |
| 3        | Neem cake  | 4 kg           |           | 25           |
| 4        | Azospirillum, Ryzobium,Potassium soulbilising bacteria | L.S            |           | 400          |
|          | <b>Total material costs</b>                            |                |           | <b>8145</b>  |
|          | <b>Total cost (A+B)</b>                                |                |           | <b>11595</b> |

### Estimate cost of Drip irrigation system on 0.1 ha plot of vegetables

| (PLANTING SPACE 1 X 0.3 Mtrs) |  |          |       |                 |            |
|-------------------------------|--|----------|-------|-----------------|------------|
| Cost Estimate                 |  |          |       |                 |            |
|                               | item   | Quantity | Unit  | Rate (Rs./m) LS | Cost (Rs.) |
| 1                             | Main line PVC rigid pipe ISI Mark 4kg./cm. 63 mm dia | 50       | R.M.. | 61.5            | 3075       |
| 2                             | Lateral 16 mm online dia                             | 50       | R.M.. | 10              | 500        |
| 3                             | 16 mm Emiting pipes 2 lph                            | 1000     | Mtrs  | 13              | 13000      |
| 4                             | Lateral Connectors                                   | 50       |       | 2               | 100        |
| 5                             | End Connector at Laterals                            | 50       |       | 2               | 100        |
| 6                             | Tees end - plug                                      | 50       | No.   | 2               | 100        |
| 7                             | Joints regulatore etc                                | 50       | No.   | 2               | 100        |
| 8                             | Rubber Grommet                                       | 50       | No.   | 2               | 100        |
| 9                             | GI Manifold  | 1        | No.   | 500             | 500        |
| 10                            | PVC Tank 500 Liters                                  | 1        |       | 1575            | 1575       |
| 11                            | accessories miscellaneous                            |          |       |                 | 1000       |
| 12                            | Installation chages for drip                         | 1        | No.   | 1200            | 1200       |
| 13                            | Zero energy Pumpset including all assisries          | 1        | No.   | 6000            | 6000       |
| 14                            | Stand for plastic tank 10 fit height                 | 1        | No.   | 1500            | 1500       |
| 15                            | Miscellenious  |          |       |                 | 1150       |
|                               |  | Total    |       |                 | 30000      |

## Abstract of Cost Kitchen Gardening

| S. no. | Activity                  | Cost         | Anexture |
|--------|---------------------------|--------------|----------|
| 1      | Operations Total          |              |          |
| 1.1    | Season 1                  | 3450         | 1        |
| 1.2    | Season 2                  | 3150         | 2        |
| 1.3    | Season 3                  | 3450         | 3        |
| 2      | Material Cost             |              |          |
| 2.1    | Season 1                  | 8145.00      |          |
| 2.2    | Season 2                  | 2575.00      |          |
| 2.3    | Season 3                  | 3684.00      |          |
| 1.3    | Drip irrigation System    | 30000        | 4        |
|        | <b>Total Project Cost</b> | <b>54454</b> |          |
|        |                           |              |          |

**Cost of cultivatio of Pea,Carrot,Cabbage (0.1ha. model)**

**I Cost**

**October to January**

| SI.NO.   | Item of investment                                      | Quantity/Unit  | Rate /Kg. | Amount (Rs.) |
|----------|---|----------------|-----------|--------------|
| <b>A</b> | <b>Operations</b>                                       | <b>Mandays</b> |           |              |
| 1        | Land prepartation & laying beds                         | 3              |           | 450          |
| 2        | Nuresery development                                    | 2              |           | 300          |
| 3        | Transplantation cost                                    | 1              |           | 150          |
| 4        | Application of FYM, organic fertilisers and pesticides  | 3              |           | 450          |
| 5        | Weeding and intercultural operation                     | 5              |           | 750          |
| 6        | Harvesting  | 4              |           | 600          |
| 7        | Grading, packing/crating, labelling                     | 3              |           | 450          |
|          | <b>Total Operational cost</b>                           | <b>21</b>      |           | <b>3150</b>  |
| <b>B</b> | <b>Materials</b>  |                |           |              |
| 1        | Planting material                                       | 50 g           |           | 200          |
|          | Pea (0.03 ha.)  | 3 kg.          | 60        | 180          |
|          | Carrot (0.05 ha.)                                       | 0.3 kg.        | 400       | 120          |
|          | Cabbage (0.02 ha.)                                      | 0.01 kg.       | 15000     | 150          |
| 2        | Farm Yard Manure  | 2.5 tonnes     |           | 1500         |
| 3        | Neem cake   | 4 kg           |           | 25           |
| 4        | Azospirillum, Ryzobium, Potassium soulbilising bacteria | L.S            |           | 400          |
|          | <b>Total material costs</b>                             |                |           | <b>2575</b>  |
|          | <b>Total cost (A+B)</b>                                 |                |           | <b>5725</b>  |

### Abstract Cost of Trellis Farming

| S. no. | Activity                  | Cost         | Anexture |
|--------|---------------------------|--------------|----------|
| 1      | Operations Total          |              |          |
| 1.1    | Season 1(Tinda)           | 2100         | 1        |
| 1.2    | Season 2 (Karela)         | 2100         | 2        |
| 1.3    | Season 3 (Turai)          | 2100         | 3        |
| 2      | Material Cost             |              |          |
| 2.1    | Season 1                  | 22575.00     |          |
| 2.2    | Season 2                  | 3125.00      |          |
| 2.3    | Season 3                  | 3350.00      |          |
| 3      | Drip irrigation System    | 30000        | 4        |
|        | <b>Total Project Cost</b> | <b>65350</b> |          |

### Cost of organic cultivation of Karela (0.1ha. model)

| Season   |  | July to Aug.   |              |              |
|----------|--|----------------|--------------|--------------|
| I Cost   |  |                |              |              |
| Sl.NO.   | Item of investment                                     | Quantity/Unit  | Rate per Kg. | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |              |              |
| 1        | Land preparation & laying beds                         | 3              |              | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |              | 450          |
| 3        | Weeding and intercultural operation                    | 5              |              | 750          |
| 4        | picking and Grading                                    | 3              |              | 450          |
|          | <b>Total Operational cost</b>                          | <b>14</b>      |              | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |              |              |
| 1        | Planting material                                      | 250 g          | 800          | 200          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000         | 2500         |
| 3        | Neem cake  | 4 kg           |              | 25           |
| 4        | Azospirillum, Potassium solubilising bacteria          | L.S            |              | 400          |
|          |  |                |              | 3125         |
|          | <b>Total cost (A+B)</b>                                |                |              | <b>5225</b>  |

### Cost of organic cultivatio of Turai (0.1ha. model)

|          | Season   | Nov.to Dec.    |            |              |
|----------|--|----------------|------------|--------------|
|          | I Cost   |                |            |              |
| SI.NO.   | Item of investment                                     | Quantity/Unit  | Rate per K | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |            |              |
| 1        | Land prepartation & laying beds                        | 3              |            | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |            | 450          |
| 3        | Weeding and intercultural operation                    | 5              |            | 750          |
| 4        | picking and Grading                                    | 3              |            | 450          |
|          | Total Operational cost                                 | 14             |            | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |            |              |
| 1        | Planting material                                      | 250 g          | 1700       | 425          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000       | 2500         |
| 3        | Neem cake  | 4 kg           |            | 25           |
| 4        | Azospirillum, Potassium soubilising bacteria           | L.S            |            | 400          |
|          |  |                |            | 3350         |
|          | Total cost (A+B)                                       |                |            | <b>5450</b>  |

### Cost of organic cultivatio of Tinda (0.1ha. model)

|          | Season   | Feb. to May    |            |              |
|----------|--|----------------|------------|--------------|
|          | I Cost   |                |            |              |
| Sl.NO.   | Item of investment                                     | Quantity/Unit  | Rate per K | Amount (Rs.) |
| <b>A</b> | <b>Operations</b>                                      | <b>Mandays</b> |            |              |
| 1        | Land prepartation & laying beds                        | 3              |            | 450          |
| 2        | Application of FYM, organic fertilisers and pesticides | 3              |            | 450          |
| 3        | Weeding and intercultural operation                    | 5              |            | 750          |
| 4        | picking and Grading                                    | 3              |            | 450          |
|          | Total Operational cost                                 | 14             |            | <b>2100</b>  |
| <b>B</b> | <b>Materials</b>                                       |                |            |              |
| 1        | Planting material                                      | 250 g          | 1000       | 250          |
| 2        | Farm Yard Manure                                       | 2.5 tonnes     | 1000       | 2500         |
| 3        | Neem cake  | 4 kg           |            | 25           |
| 4        | Azospirillum, Potassium soulbilising bacte             | L.S            |            | 400          |
| 5        | 9"x8' size localy avaible Stone Patti                  | 600 Sqft.      | 18         | 10800        |
| 6        | Labuor Charge for Stone Patti and Wire Fittings L.S.   | 400 No.        | 4          | 1600         |
| 7        | Galvanize Wire (16 guage)                              | 80 kg.         | 60         | 4800         |
| 8        | Galvanize Wire (12 guage)                              | 40 kg.         | 55         | 2200         |
|          |  |                |            | <b>22575</b> |
|          | Total Cost (A+B)                                       |                |            | <b>24675</b> |

**Estimate cost of Drip irrigation system on 0.1 ha plot of vegetables**

| (PLANTING SPACE 1 X 0.3 Mtrs) |  |              |       |                 |              |
|-------------------------------|--|--------------|-------|-----------------|--------------|
| Cost Estimate                 |  |              |       |                 |              |
|                               | item   | Quantity     | Unit  | Rate<br>(Rs./m) | Cost (Rs.)   |
| 1                             | Main line PVC rigid pipe ISI Mark 4kg./cm. 63 mm dia | 50           | R.M.. | 61.5            | 3075         |
| 2                             | Lateral 16 mm online dia                             | 50           | R.M.. | 10              | 500          |
| 3                             | 16 mm Emiting pipes 2 lph                            | 1000         | Mtrs  | 13              | 13000        |
| 4                             | Lateral Connectors                                   | 50           |       | 2               | 100          |
| 5                             | End Connector at Laterals                            | 50           |       | 2               | 100          |
| 6                             | Tees end - plug                                      | 50           | No.   | 2               | 100          |
| 7                             | Joints regulatore etc                                | 50           | No.   | 2               | 100          |
| 8                             | Rubber Grommet                                       | 50           | No.   | 2               | 100          |
| 9                             | GI Manifold  | 1            | No.   | 500             | 500          |
| 10                            | PVC Tank 500 Liters                                  | 1            |       | 1575            | 1575         |
| 11                            | accessories miscellaneous                            |              |       |                 | 1000         |
| 12                            | Installation chages for drip                         | 1            | No.   | 1200            | 1200         |
| 13                            | Zero energy Pumpset including all assisries          | 1            | No.   | 6000            | 6000         |
| 14                            | Stand for plastic tank 10 fit height.                | 1            | No.   | 1500            | 1500         |
| 15                            | Miscellenious  |              |       |                 | 1150         |
|                               |  | <b>Total</b> |       |                 | <b>30000</b> |

### Abstract Cost of Trellis Farming

| S. no. | Activity                  | Cost         | Anexture |
|--------|---------------------------|--------------|----------|
| 1      | Operations Total          |              |          |
| 1.1    | Season 1(Kakri)           | 2100         | 1        |
| 1.2    | Season 2 (Khira)          | 2100         | 2        |
| 1.3    | Season 3 (Loki)           | 2100         | 3        |
| 2      | Material Cost             |              |          |
| 2.1    | Season 1                  | 22475.00     |          |
| 2.2    | Season 2                  | 3150.00      |          |
| 2.3    | Season 3                  | 3425.00      |          |
| 3      | Drip irrigation System    | 30000        | 4        |
|        | <b>Total Project Cost</b> | <b>65350</b> |          |

## NADI IN P. D. BLOCK

1 Name of village :- SHAHPURA IWMP - IV  
 P.S. - SHAHPURA DISTT. BHILWARA (RAJ.)  
 2 Name of work :- CONSTRUCTION OF NADI WITH WASTEWEIR

### Design

1 Available crest length 6.00 M  
 2 Total catchment area 20.00 Ha  
 3 Hight of structure 0.80 M  
 A Design discharge (By flood discharge method)

### A HYDROLOGIC DESIGN

Peak rate of run off in cum/sec. =

$$Q = \frac{C I A}{36} \quad C = 0.40$$

$$Q = 1.78 \text{ cumsec}$$

$$\text{Say } 2.00 \text{ cumsec}$$

Catchment Area 20.00 Ha

$$K = \frac{L^3}{H}$$

$$L = 1200.00 \text{ M}$$

$$H = 4.00 \text{ M}$$

$$K = 20784.61$$

$$T_c = 0.0195 K^0$$

$$41.18$$

$$I = 8.00 \text{ cm/hr.}$$

### B HYDROLOGIC DESIGN

$$Q = 1.71L(h)^{3/2} \quad L = 6.00 \text{ mt length available at site}$$

$$h = [Q/1.71L]^{2/3}$$

$$h = 0.34 \text{ Say } = 0.35$$

$$\text{Taking free board as } 0.3 \text{ M}$$

$$\text{Total } d = 0.65$$

### C. STRUCTURAL DESIGN

- (i) Top width of Head wall  
 $h/(p-1)^{0.5} = 0.31 \quad 0.31 \text{ say } = 0.60 \text{ M}$   
 (as per site condition where  $h = 0.35 \text{ m } p = 2.30$ )
- (ii) Bottom width of head wall  
 $b = 0.8H + T.W + 3 = 1.54 \quad \text{Say } = 1.60 \text{ M}$   
 $H = \text{height of head wall in meters} = 0.8 \text{ m} \quad 0.80 \text{ M}$
- (iii) Length of head wall extension  
 $H + d + 1 = 2.45 \quad 2.45 \text{ M}$   
 $d = h + \text{free board} = 0.65 \quad 0.65 \text{ M}$   
 but as per side condition L/S M 1.5 R/S M 1.5 3.00 M
- (iv) Height of Head wall extension  
 $H + d = 1.45 \text{ M}$
- (v) Botton width of HW ext. side wall & wing wall  
 $0.5(H+h) = 0.58 \quad 0.60 \text{ M}$
- (vi) Top width of HW ext  
 $0.4H = 0.32 \quad 0.60 \text{ M}$
- (vii) APRON WIDTH  
 $= H + d = 1.45 \quad 1.45 \text{ M}$
- (viii) Thickness of Basin = 0.60m (including concreting)
- (ix) Height of side wall  
 $H + d = 1.45 \quad 1.45 \text{ M}$
- (x) Height of side wall = 1.5h at W W joints  
 $1.5h = 0.53 \quad 0.50 \text{ M}$

|  |      |        |
|--|------|--------|
| (xi) Length of side wall = B. W. of H. W -B.W of H W E+Apron width+ width of toe wall                                  | 2.90 |        |
| (xii) Length of wing wall = 2.25 h=  | 0.79 | 0.80 M |
| (xiii) Height of the wing wall =   | 0.53 | 0.60 M |
| (xiv) Top width of Head wall ext site wall wing wall = 0.60mt  |      |        |
| (xv) Width of toe wall=  |      | 0.45 M |
| (xvi) Height of toe wall =   |      | 0.30 M |
| (xvii) Height of wing wall at wing end =   |      | 0.60 M |
| (xviii) Bottem width of the side wall &wing wall taking as per Bottom width<br>of the head wall ext as in item no.5= m |      | 0.60 M |
| (xix) Depth of foundation taking as  |      | 1.00 M |

### STABILITY CHECK'S

- a Top width of anicut = 0.60 m  
 b Bottm width of anicut = 1.60 m

$w_1 + w_2$  self weight of anicut

$p_1$  Pressure due to water besswall

$p_2$  Horizontal water pressure

$p_3$  Up lift pressure

- h Food heigth = 0.35 m  
 H heigth of anicut = 0.80 m  
 L considening one metre = 1  
 S 2.3  
 C 0.6

Forces acting on a over flow gravity dam  
 Forces and momrnt calculation's  
 considening one metre length of anicut and taking  
 Restoring moment as positive (+ ve) and overturning moment  
 as negative (-ve)  
 moment taken at B

| s. no. | Forces  | v- vertical forces | H- horizontal forces | Force acting at a distance from B | moment at B 2x5 |      |
|--------|---|--------------------|----------------------|-----------------------------------|-----------------|------|
|        |   |                    |                      |                                   | + ve            | -ve  |
| 1      | $w_1 = a \times H \times L \times S$                | 1.10               | 1.10                 | 2.20                              | 2.43            |      |
| 2      | $w_2 = 1/2 \times (b-a) \times H \times L \times S$ | 0.92               | 0.92                 | 1.13                              | 1.04            |      |
| 3      | $p_1 = w \times h \times H$                         | 0.28               | 0.28                 | 0.90                              |                 | 0.25 |
| 4      | $p_2 = w \times H^2 / 2 \times H$                   | 0.32               | 0.32                 | 0.60                              |                 | 0.19 |
| 5      | $p_3 = c \times w \times b \times (H+h) / 2$        | 0.46               | 0.46                 | 1.80                              |                 | 0.83 |
|        | TOTAL   | 1.56               | 0.60                 |                                   | 3.47            | 1.27 |

$$\frac{E_m = m_r - m_o}{2.19}$$

#### CHECKS IN OVERTURNING

Factor of safety agaist overturning

$$\frac{E_m}{E_m o} = \frac{m_r}{m_o} = \frac{\text{Restoning moment}}{\text{overturning moment}} = 2.72$$

it is more than 1.50 hance structure is safe against overturning

#### SLINDING

Factor of safety against slinding

$$\frac{E_v}{E_h} = 2.61$$

it is more than 1.0 hance structure is safe against slinding

RUPTURE (safety against tension at the base)

X Relne Position of resultant measured from toe

$$x = \frac{E_m}{E_v} = 1.40$$

$$e = b/2 - X = -0.60$$

$$\frac{E_v}{b} (1 + 6e/b) = -1.29$$

$$\frac{E_v}{b} (1 - 6e/b) = 3.24$$

$$P_{\max} = -1.29$$

$$P_{\min} = 3.24$$

ABSTRACT OF COST

Name of work :-WHS :-Anicut

| S.No | Item no  | Particular  | Qty.  | Rate Per    | Amount   | Labour Rate | L.Amount  |
|------|----------|---|-------|-------------|----------|-------------|-----------|
| 1    | 2,(b)1   | Excavation in hard soil dry or moist&disposal of excavated material within intial lead of 30 m and lift of 1.5m including dressing etc complete   | 2.71  | 91.00 cum   | 246.25   | 91.00       | 246.246   |
| 2    | 2(c),1   | Excavation in ordinary murrum or earth mixed with bajri and kankar or boulder dry or moist&disposal of excavated material within intial lead of 30 m and lift of 1.5m including dressing etc complete | 8.12  | 99.00 cum   | 803.68   | 99.00       | 803.682   |
| 3    | 2(d),1   | Excavation in disintegrated rock and or soft rock or hard bankar or compacted murrum dry or moist including dressing&disposal of exeavated matarual with intial lead of 30m and lift of 1.5m          | 16.24 | 134.00 cum  | 2175.62  | 134.00      | 2175.624  |
| 4    | 192,17   | cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 40mm. HB  | 8.46  | 1643.00 cum | 13899.78 | 318         | 2690.28   |
| 5    | 27,3     | Random rubble stone masonry in cement sand mortar(1:6) for foundation   | 14.73 | 1252.00 cum | 18441.96 | 342         | 5037.66   |
| 6    | 28,3     | Random rubble stone masonry in cement sand mortar(1:6) forsuper structure   | 14.03 | 1252.00 cum | 17566.81 | 342         | 4798.602  |
| 7    | 70,8     | Cement plaster including smooth finishing in cement mortar (1:4)25mm thick  | 33.21 | 138.00 cum  | 4582.29  | 65.7        | 2181.5685 |
| 8    | 40(ii),4 | Cement concrete coping in cement mortar1:1.5:3.100mm thick  | 0.99  | 2694.00 cum | 2679.18  | 312         | 310.284   |

9 2(b),1 EW for bind / embankment in dry or mosit soil including laying on layers 1.5cm Breaking of clods sort ing of grass pabbles ete and dressing in required profile when compacted manually or by plain roller with initial lead of 30mt and lift 1.5 mt (exeluding charges of wattering and compaction) Hard soil

|                            |         |           |               |       |           |
|----------------------------|---------|-----------|---------------|-------|-----------|
|                            | 1475.00 | 91.00 cum | 134225.00     | 91.00 | 134225    |
| TOTAL                      |         |           | 194620.58     |       | 152468.95 |
| TOTAL                      |         |           | 194620.58     |       |           |
| Add 3% Contingency Charges |         |           | 5838.62       |       |           |
| Total METARIAL             |         |           | 47990.25 SAY  |       | 0.480     |
| Total LABOUR               |         |           | 152468.95 SAY |       | 1.525     |
| G. TOTAL                   |         |           | 200459.19 Say |       | 2.00      |

Prepared by

checked by

Approved by

**DETAILED ESTIMATE**

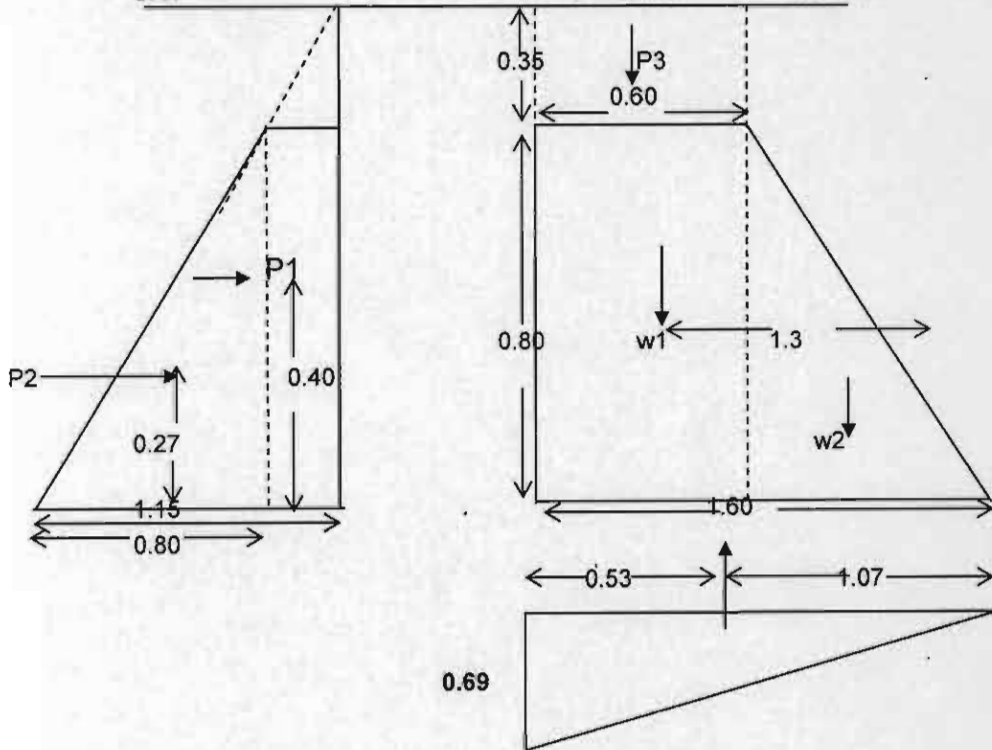
| S.No. | PARTICULAR   | No.  | LENGTH | BREADTH | HT/DEPTH     | QUANTITY |
|-------|--|------|--------|---------|--------------|----------|
| 1     | Total Excavation   |      |        |         |              |          |
|       | H.W.   | 1.00 | 6.00   | 1.60    | 1.00         | 9.60     |
|       | H.W.E.   | 1.00 | 3.00   | 0.60    | 1.00         | 1.80     |
|       | S.W.   | 2.00 | 2.90   | 0.60    | 1.00         | 3.48     |
|       | wing wall  | 4.00 | 0.80   | 0.60    | 1.00         | 1.92     |
|       | Toe wall   | 1.00 | 6.00   | 0.45    | 0.90         | 2.43     |
|       | Apron  | 1.00 | 6.00   | 1.45    | 0.90         | 7.83     |
|       |  |      |        |         | Total (cu.m) | 27.06    |
| 2     | Excavation in hard soil dry or moist & disposal of excavated material within initial lead of 30 m and lift of 1.5m including dressing etc complete 10% of Total Excavation   |      |        |         |              |          |
|       |  |      |        |         | Total        | 2.71     |
| 3     | Excavation in ordinary murrum or earth mixed with bajri and kankar or boulder dry or moist & disposal of excavated material within initial lead of 30 m and lift of 1.5m including dressing etc complete 30% of Total Excavation |      |        |         |              |          |
|       |  |      |        |         | Total        | 8.12     |
| 4     | Excavation in disintegrated rock and or soft rock or hard bankar or compacted murrum dry or moist including dressing & disposal of excavated material with initial lead of 30m and lift of 1.5m 60% of Total Excavation          |      |        |         |              |          |
|       |  |      |        |         | Total        | 16.24    |
| 5     | cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 50mm. HB Total Excavation  |      |        |         |              |          |
|       | H.W.   | 1.00 | 6.00   | 1.60    | 0.30         | 2.88     |
|       | H.W.E.   | 1.00 | 3.00   | 0.60    | 0.30         | 0.54     |
|       | S.W.   | 2.00 | 2.90   | 0.60    | 0.30         | 1.04     |
|       | Wing Wall  | 4.00 | 0.80   | 0.60    | 0.30         | 0.58     |
|       | Toe Wall   | 1.00 | 6.00   | 0.45    | 0.30         | 0.81     |
|       | Apron  | 1.00 | 6.00   | 1.45    | 0.30         | 2.61     |
|       |  |      |        |         | Total        | 8.46     |

|    |   |      |      |       |      |         |
|----|---|------|------|-------|------|---------|
| 6  | Random rubble stone masonry in cement sand mortar(1:6) for foundation   |      |      |       |      |         |
|    | H.W.  | 1.00 | 6.00 | 1.30  | 0.70 | 5.46    |
|    | H.W.E.  | 1.00 | 3.00 | 0.60  | 0.70 | 1.26    |
|    | S.W.  | 2.00 | 2.90 | 0.60  | 0.70 | 2.44    |
|    | Wing Wall   | 4.00 | 0.80 | 0.60  | 0.70 | 1.34    |
|    | Toe Wall  | 1.00 | 6.00 | 0.45  | 0.60 | 1.62    |
|    | Apron   | 1.00 | 6.00 | 1.45  | 0.30 | 2.61    |
|    |   |      |      | Total |      | 14.73   |
| 7  | Random rubble stone masonry in cement sand mortar(1:6) for super structure  |      |      |       |      |         |
|    | H.W.  | 1.00 | 6.00 | 0.95  | 0.80 | 4.56    |
|    | H.W.E.  | 1.00 | 3.00 | 0.60  | 1.45 | 2.61    |
|    | S.W.  | 2.00 | 1.90 | 0.60  | 1.03 | 2.34    |
|    |   | 2.00 | 1.00 | 0.60  | 1.45 | 1.74    |
|    |   | 2.00 | 0.00 | 0.60  | 0.73 | 0.00    |
|    | Wing Wall   | 4.00 | 0.80 | 0.60  | 1.45 | 2.78    |
|    |   |      |      | Total |      | 14.03   |
| 8  | Cement plaster including smooth finishing in cement mortar (1:3) 25mm thick   |      |      |       |      |         |
|    | H.W.  | 1.00 | 6.00 | 0.80  |      | 4.80    |
|    |   | 1.00 | 6.00 | 1.10  |      | 6.60    |
|    |   | 1.00 | 6.00 | 0.30  |      | 1.80    |
|    | S.W.  | 2.00 | 0.60 | 0.65  |      | 0.78    |
|    |   | 2.00 | 1.00 | 1.05  |      | 0.78    |
|    |   | 2.00 | 1.90 | 1.03  |      | 3.90    |
|    |   | 2.00 | 1.45 | 0.30  |      | 0.87    |
|    | Wing Wall   | 2.00 | 0.80 | 0.60  |      | 0.96    |
|    |   | 2.00 | 0.60 | 0.60  |      | 0.72    |
|    | H.W.E.  | 1.00 | 3.00 | 0.50  |      | 1.50    |
|    | Toe Wall  | 1.00 | 6.00 | 0.30  |      | 1.80    |
|    | Apron   | 1.00 | 6.00 | 1.45  |      | 8.70    |
|    |   |      |      | Total |      | 33.21   |
| 9  | Cement concrete coping in cement mortar 1:2:4.75 mm thick   |      |      |       |      |         |
|    | H.W.  | 1.00 | 6.00 | 0.60  | 0.08 | 0.27    |
|    | S.W.  | 2.00 | 3.50 | 0.60  | 0.08 | 0.32    |
|    | Wing Wall   | 2.00 | 0.80 | 0.60  | 0.08 | 0.07    |
|    | H.W.E.  | 1.00 | 3.00 | 0.60  | 0.08 | 0.14    |
|    | Toe Wall  | 1.00 | 6.00 | 0.45  | 0.08 | 0.20    |
|    | Apron   | 0.00 | 6.00 | 1.45  | 0.10 | 0.00    |
|    |   |      |      | Total |      | 0.99    |
| 10 | E/W for bind / embankment in dry or moist soil including laying on layers 1.5cm Breaking of clods sorting of grass pabbles etc and dressing in required profile when compacted manually or by plain roller with initial lead of 30mt and lift 1.5 mt (excluding charges of watering and compaction) Hard soil | 1475 |      |       |      | 1475.00 |
|    |   |      |      | Total |      | 1475.00 |

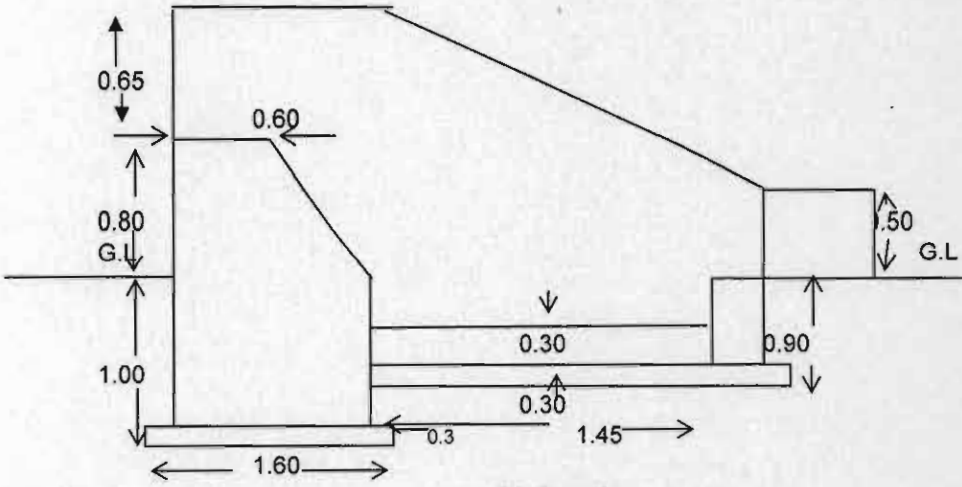
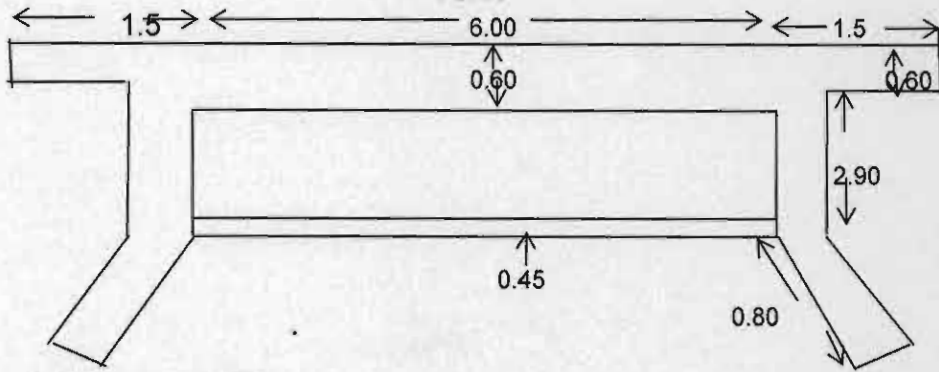
**MATERIAL CONSUMPTION STATEMENT**

| NAME OF WORK : RAIN WATER HARVESTING STRUCTURE |  |              |              |              |             | ANICUT |              |  |
|--|--|--------------|--------------|--------------|-------------|--------|--------------|--|
| S.no   | Particular   | Qty.         | Cement       | Sand         | Aggregate   |        | Stone        |  |
|  |  |              | Bags         | Cum          | 50mm        | 20mm   | Cum          |  |
| 1  | Cement concrete (1:3:6) min HB (cum) 4.05,0.43,0.86                        | 8.46         | 34.26        | 3.64         | 7.28        |        |              |  |
| 2  | R R stone masonry (1:6) Foundation/ Super structure (cum) 1.40, 0.30, 1.10 | 28.76        | 40.27        | 8.63         |             |        | 31.64        |  |
| 3  | Cement plaster (1:6)25 mm thick (sqm) 0.153 0.03                           | 33.21        | 5.08         | 1.00         |             |        |              |  |
| 4  | Raised & cut pointing (sqm) 0.032, 0.0043                                  |              |              |              |             |        |              |  |
| 5  | Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20               |              |              |              |             |        |              |  |
| 6  | Cement concrete coping in cement mortar 1:1.5:3.75 mm thick 7.33,0.40,0.78 | 0.99         | 7.29         | 0.40         | 0.78        |        |              |  |
| 7  | Dry stone pitching   |              |              |              |             |        |              |  |
|  |  | <b>TOTAL</b> | <b>86.90</b> | <b>13.66</b> | <b>8.05</b> |        | <b>31.64</b> |  |

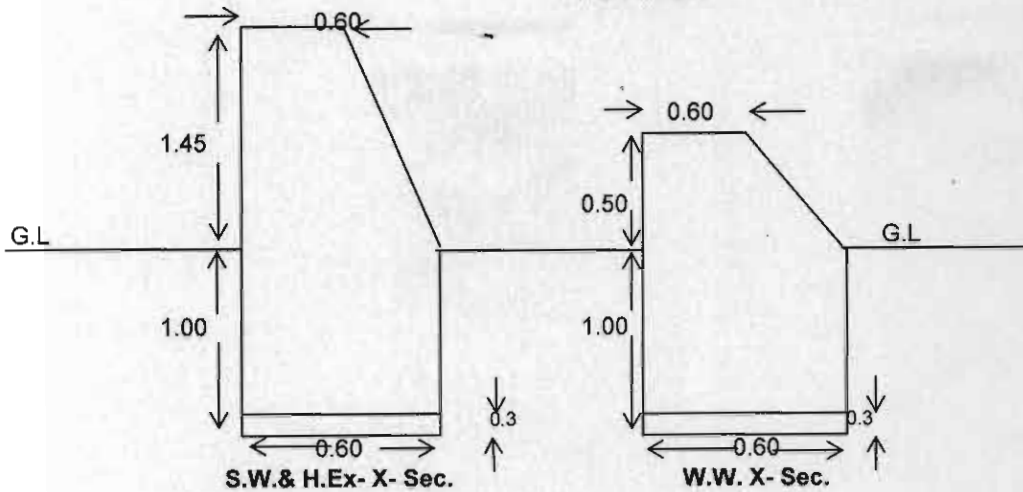
SAY 87 BAGS 4.34 MT



PLAN



X-Section



# कार्यालय पंचायत समिती शाहपुरा

क्रमांक - 702

दिनांक - 8-8-11

- श्रीमान् मुख्य कार्यकारी अधिकारी  
जिला परिषद् - भीलवाड़ा
- श्रीमान् परियोजना प्रबंधक  
(आदिशाही अफि. भू-संसाधन)  
जिला परिषद् - भीलवाड़ा

विषय :- IWMP-IV शाहपुरा w/s की डी.पी.आर. के पंचायत समिती शाहपुरा की साधारण सभा से अनुमोदन लिए जाने के संबंध में।

उपरोक्त विषयांतर्गत निवेदन है कि शाहपुरा पंचायत समिती ईल में स्वीकृत 'IWMP-IV शाहपुरा जलसंधन ईल' कुल ईलफल 4656 है, वही डी.पी.आर. का अनुमोदन दिनांक 30-6-11 को आयोजित पंच. समिती की साधारण सभा की बैठक में अनुमोदन कर दिया गया है (प्र.सं. 5) सूचनाएँ एवं आवश्यक कार्यवाही हेतु प्रेषित हैं। पूर्व में डी.पी.आर. के साथ सहकल नहीं भिजवाया जा सका था अतः पत्र विधिवत रूप से प्रस्तुत है।

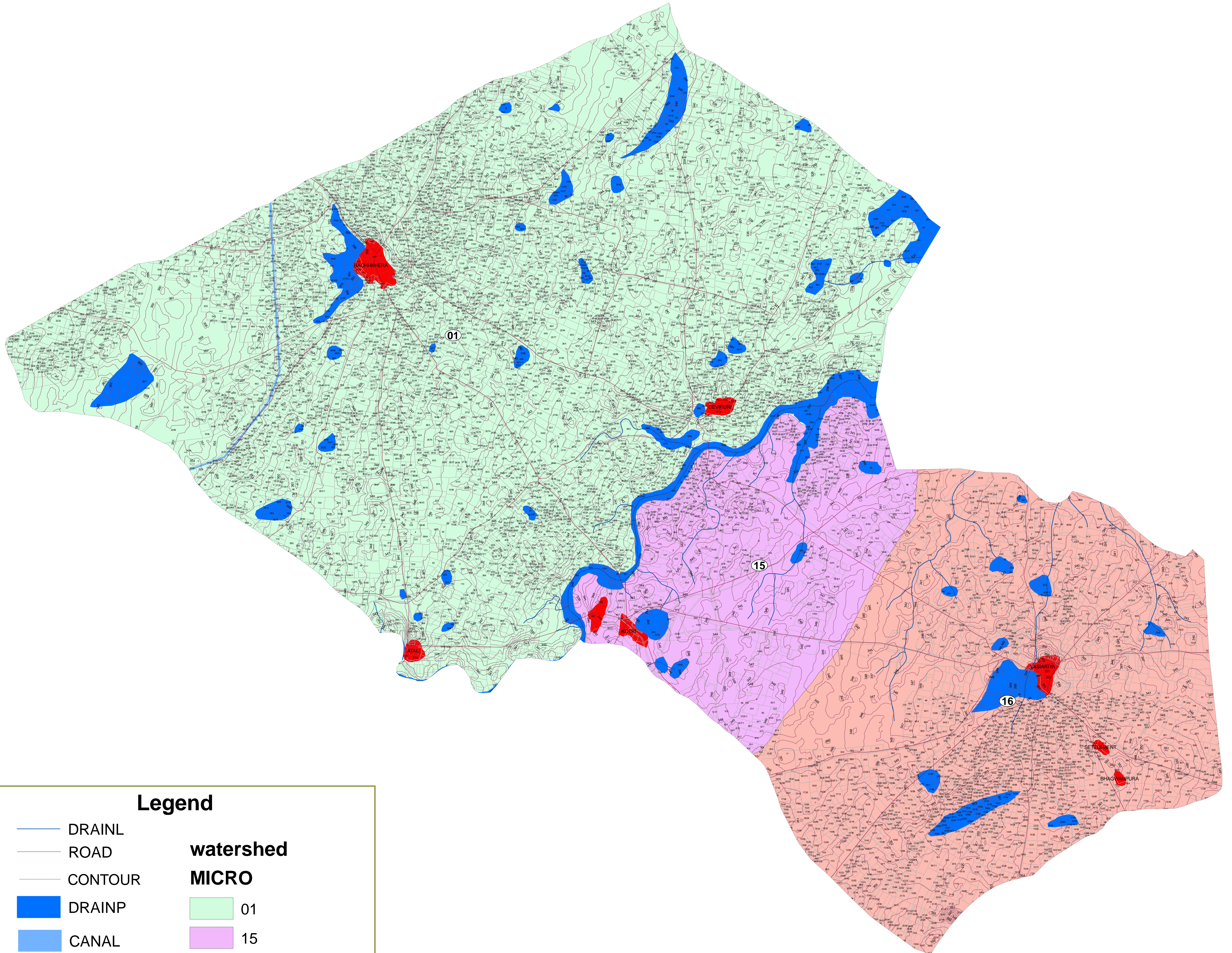
*[Signature]*  
विकास अधिकारी  
पंचायत शाहपुरा (भीलवाड़ा)

# BASEMAP SHAHPURA WATERSHED PROJECT (IWMP)








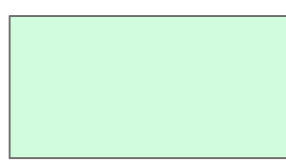

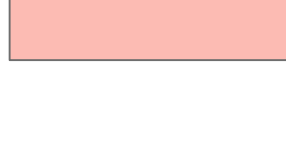
MACRO / MICRO WATERSHEDS NO. - [03/01,15, 16]

BLOCK - SHAHPURA, DISTRICT - BHLWARA

SCALE 1:10000



## Legend

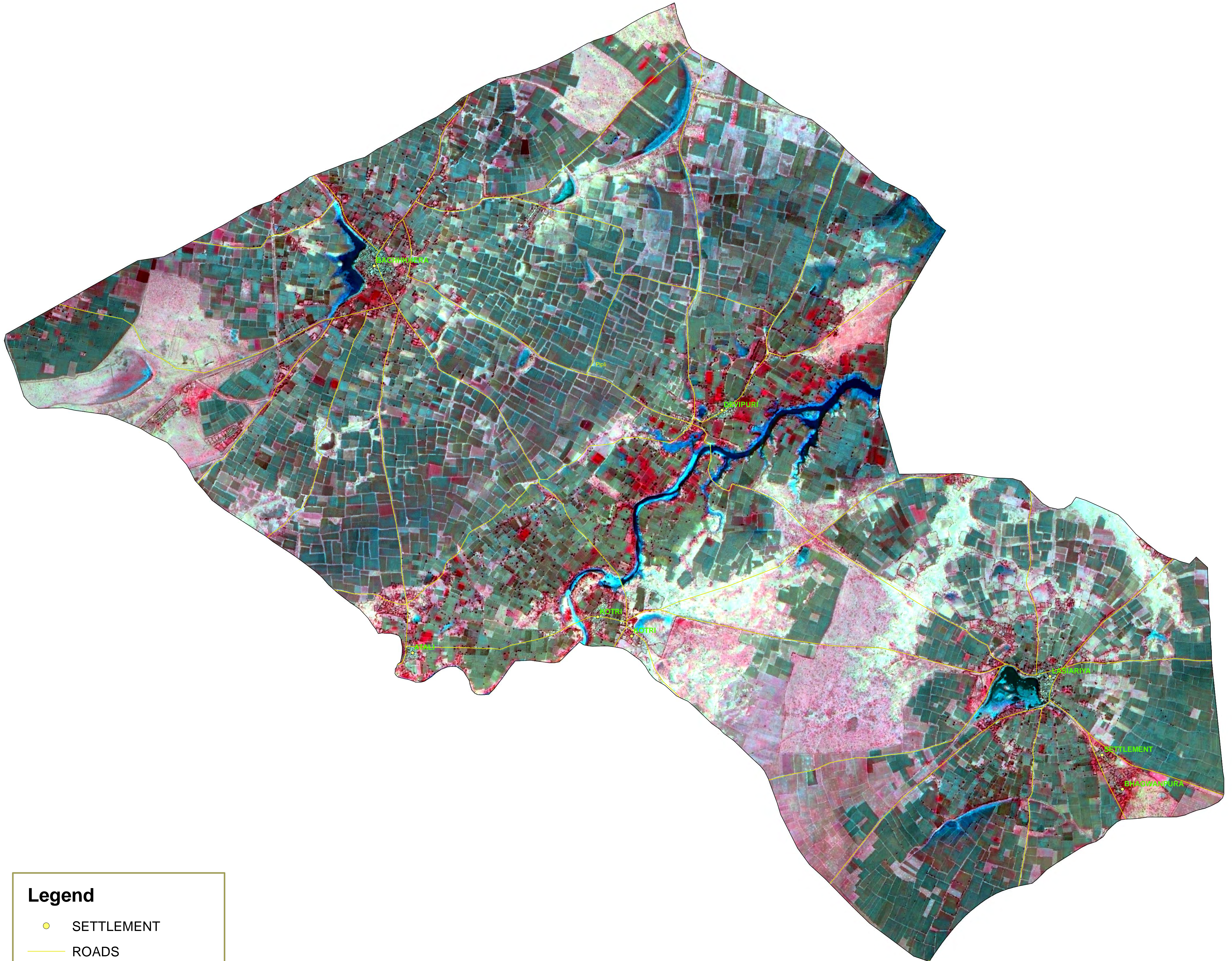
|   |            |   |    |
|---|------------|---|----|
|  | DRAINL     |   |    |
|  | ROAD       |   |    |
|  | CONTOUR    |   |    |
|  | DRAINP     |   |    |
|  | CANAL      |   |    |
|  | KHASRA     |   |    |
|  | SETTLEMENT |   |    |
|   |            | <b>watershed</b>  |    |
|   |            | <b>MICRO</b>  |    |
|   |            |  | 01 |
|   |            |  | 15 |
|   |            |  | 16 |

# CARTOSAT-1(MERGE) SATELLITE IMAGE SHAHPURA WATERSHED PROJECT (IWMP)

MACRO / MICRO WATERSHEDS NO. - [03/01,15, 16]

BLOCK - SHAHPURA, DISTRICT - BHILWARA

SCALE 1:10000



## Legend

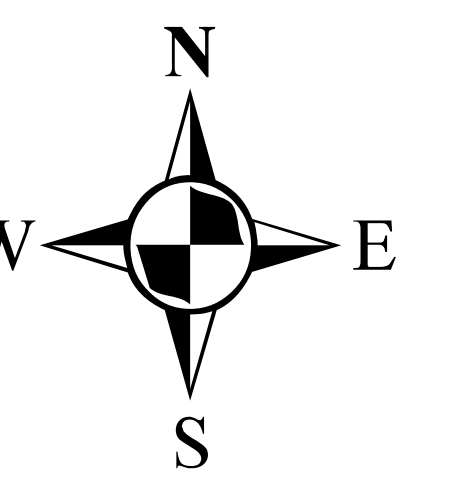
- SETTLEMENT
- ROADS
- WATERSHED\_OUTER
- VEGITATION

# LAND USE / LAND COVER MAP SHAHPURA WATERSHED PROJECT (IWMP)

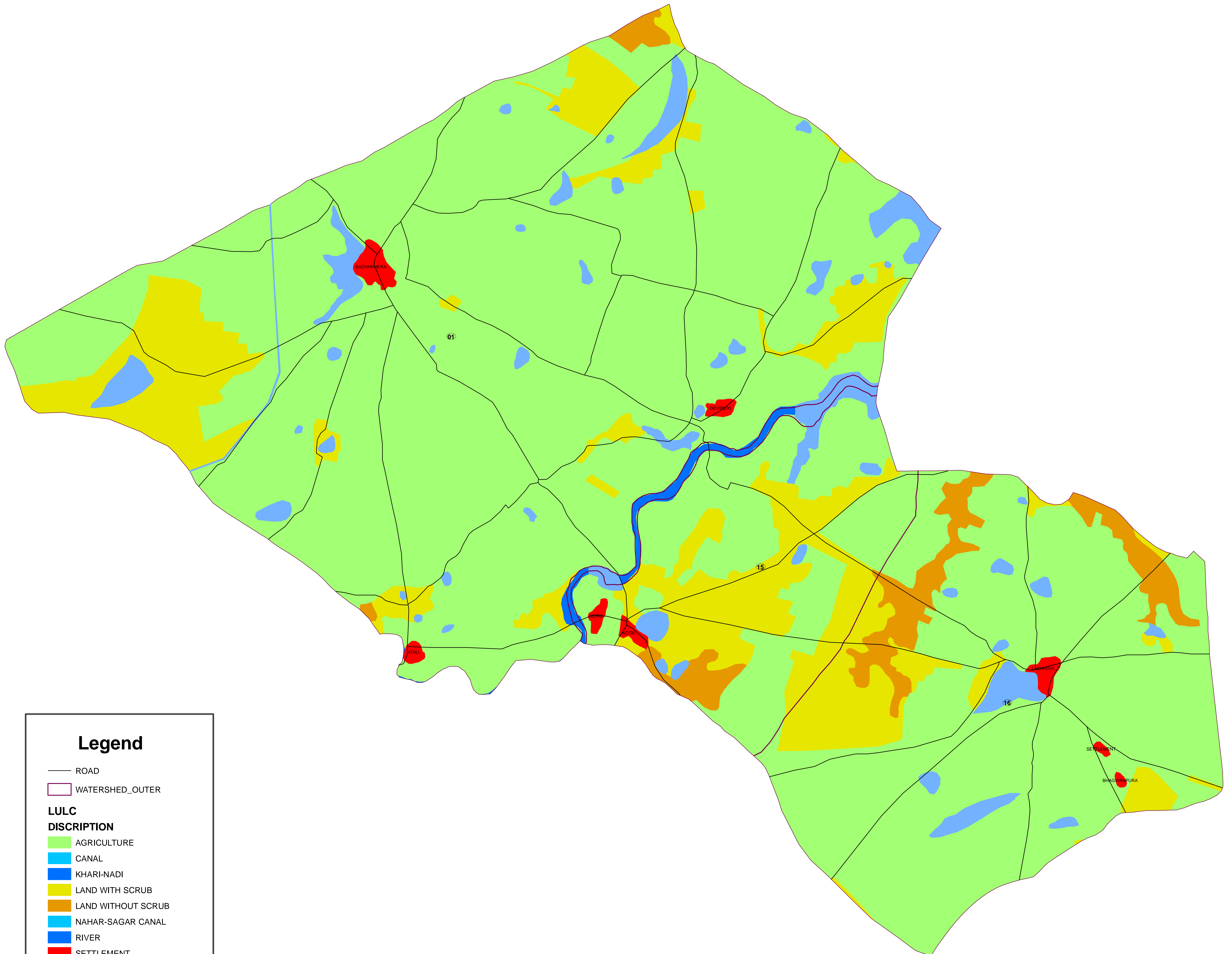
MACRO / MICRO WATERSHEDS NO. - [03/01,15, 16]

BLOCK - SHAHPURA, DISTRICT - BHILWARA

SCALE 1:10000



1:10,000



**Legend**

- ROAD
- WATERSHED\_OUTER

**LULC DISCRIPTION**

- AGRICULTURE
- CANAL
- KHARI-NADI
- LAND WITH SCRUB
- LAND WITHOUT SCRUB
- NAHAR-SAGAR CANAL
- RIVER
- SETTLEMENT
- WATERBODY