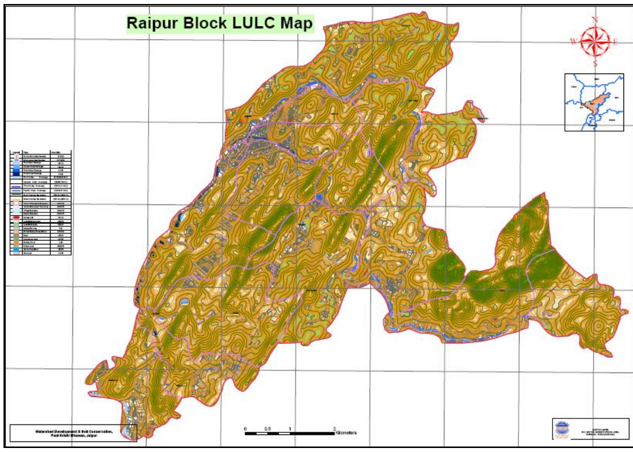
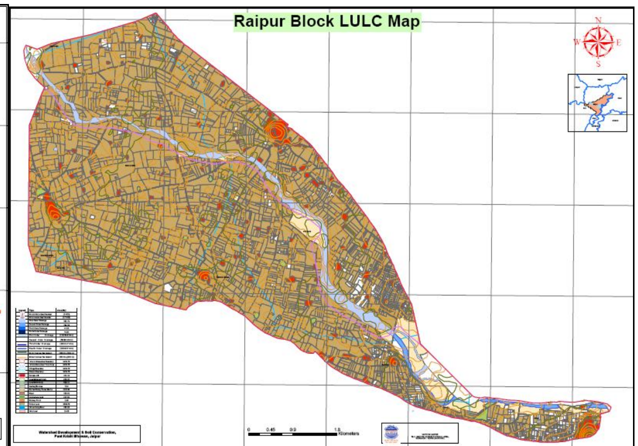
PALI - IWMP XVI (RAIPUR II) P.S. RAIPUR





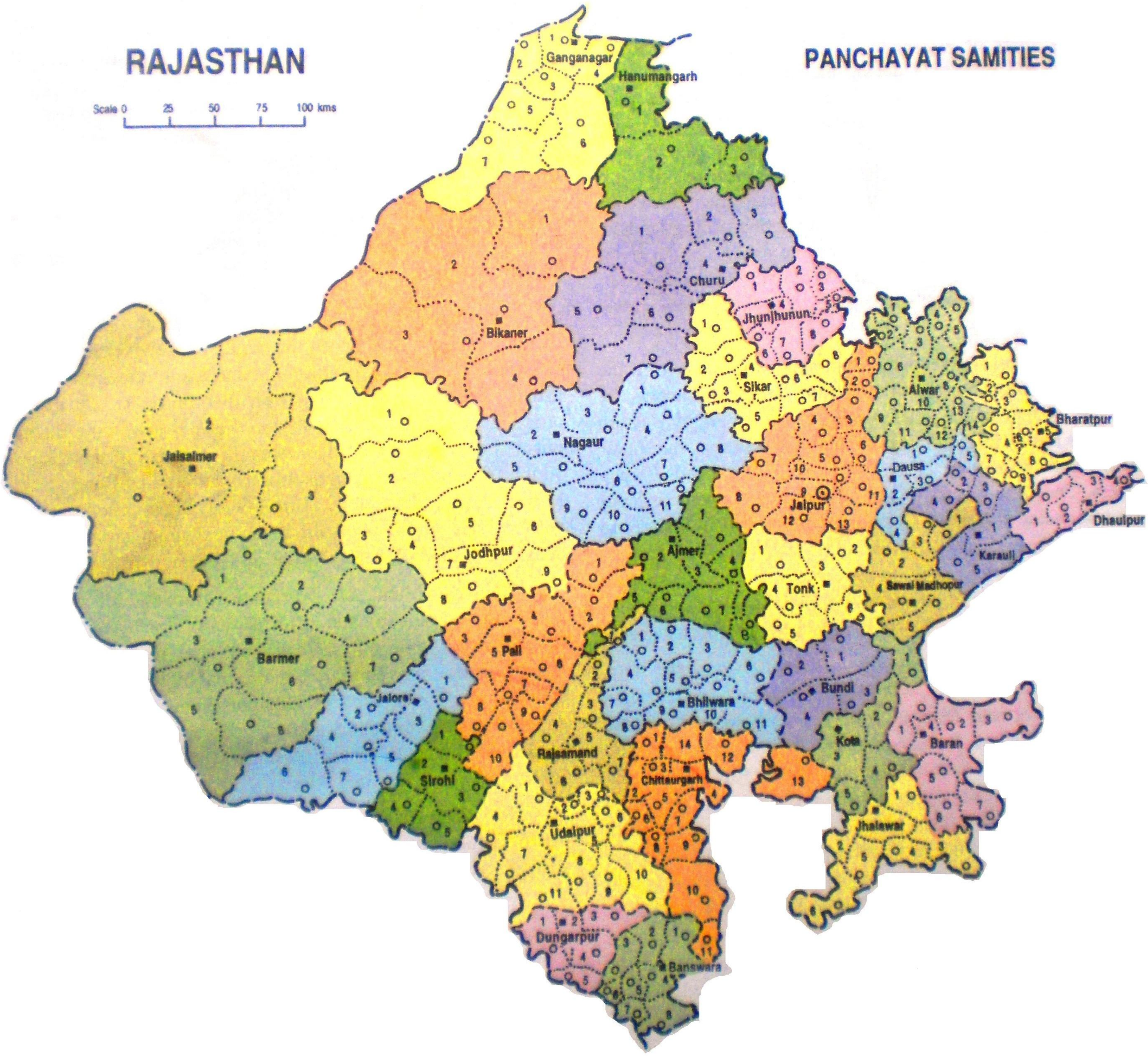
DETAIL PROJECT REPORT

NAME OF WATERSHED	:-	PALI (IWMP XVI) RAIPUR – II
MACRO/ MICRO	:-	12/21,23,26,27,28,29,30, 31,32,33,34,35,36,38,40,41
GEOGRAPHICAL AREA	:-	6472 Ha.
PROPOSED AREA	:-	5302 Ha.
FOR TREATMENT	:-	5302 Ha.
TOTAL AMOUNT	:-	893.00 LAC.
WATERSHED SCHEME	:-	795.30 LAC.
OTHER SCHEME	:-	97.70 LAC.
TOTAL COST PER HACT.	:-	0.17 LAC.
W/S COST PER HACT.	:-	0.15 LAC.
PANCHAYAT SAMITI	:-	RAIPUR
DISTRICT	:-	PALI

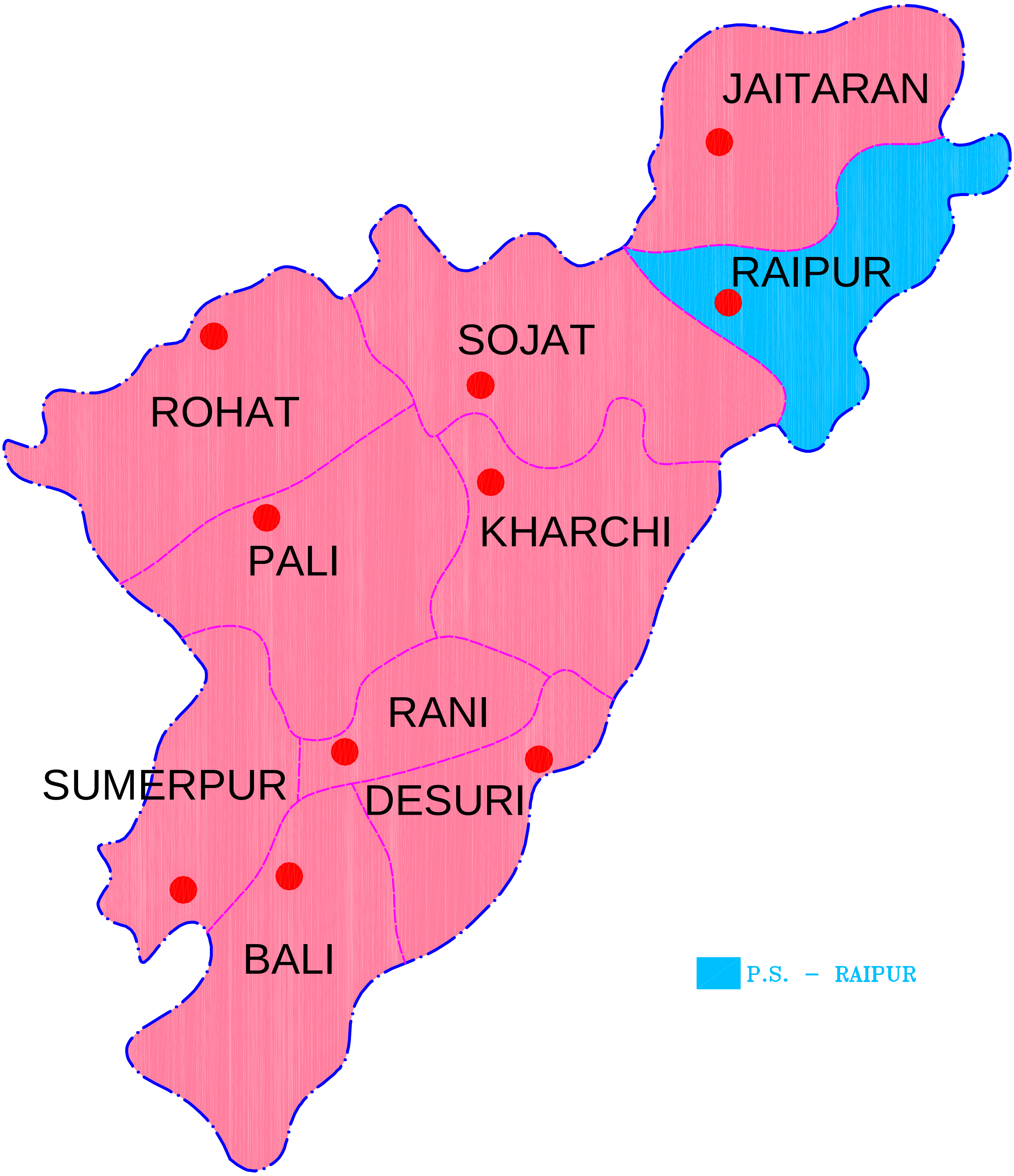
ASSISTANT ENGINEER
PANCHAYAT SAMITI RAIPUR
DISTT. – PALI (RAJ.)

RAJASTHAN

PANCHAYAT SAMITIES

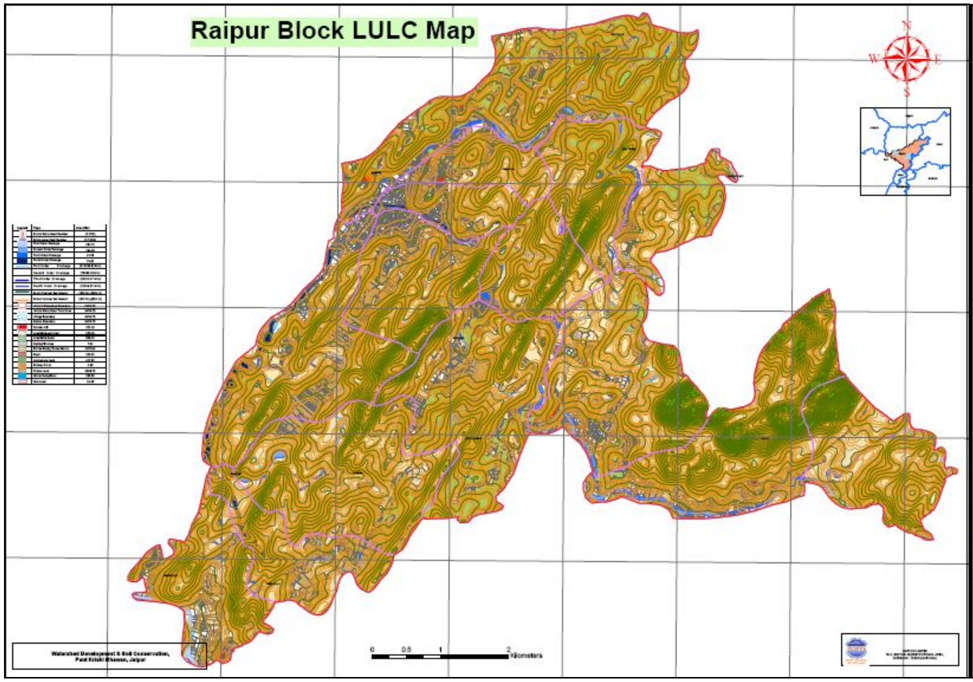


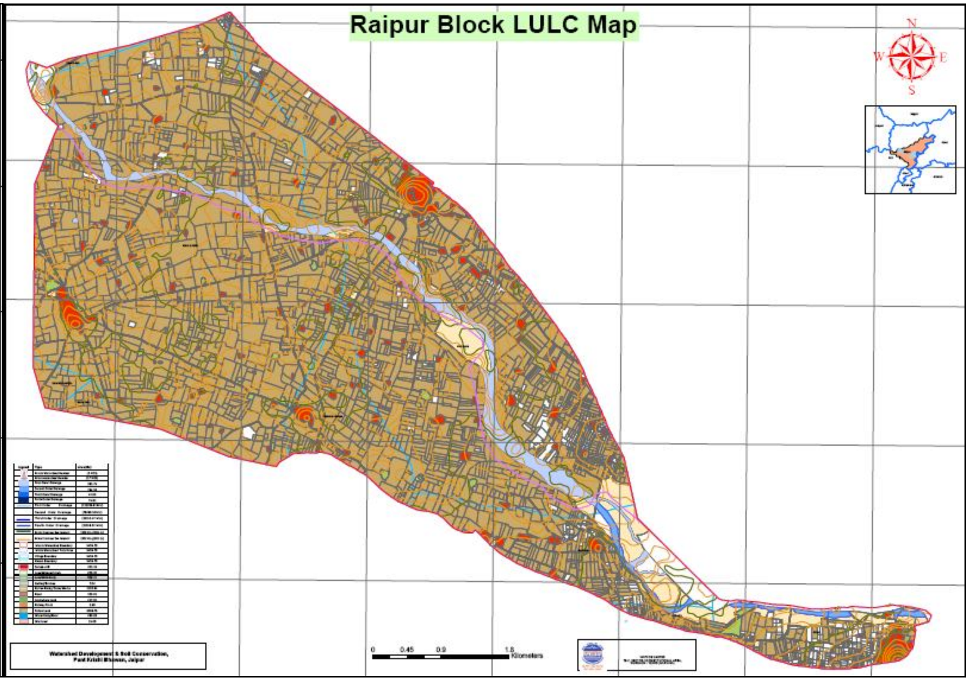
INDEX MAP
DISTRICT – PALI



INDEX MAP – P.S. RAIPUR

DISTT. – PALI (RAJ.)





INDEX MAP – P.S. RAIPUR
DISTT. – PALI (RAJ.)

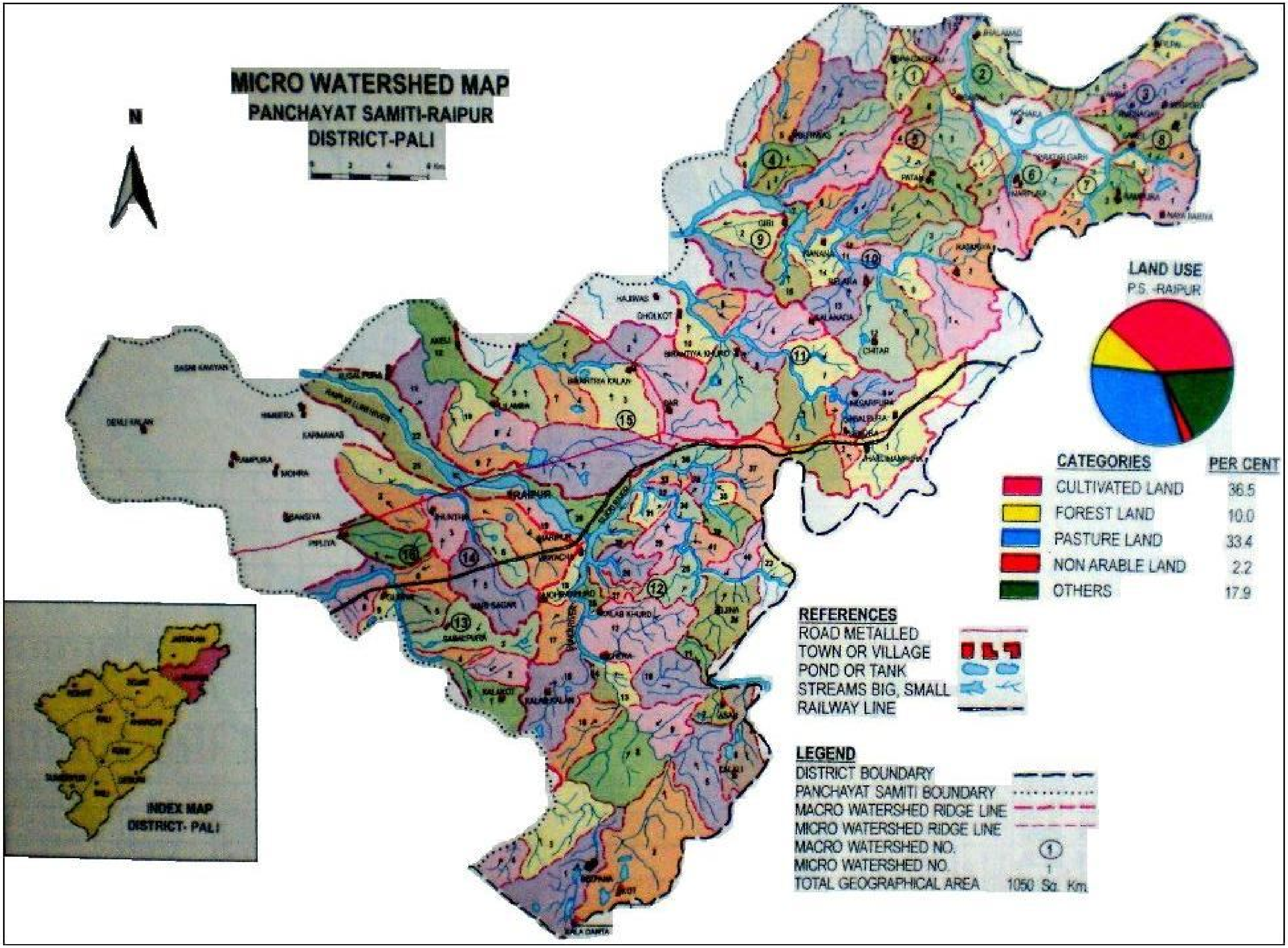
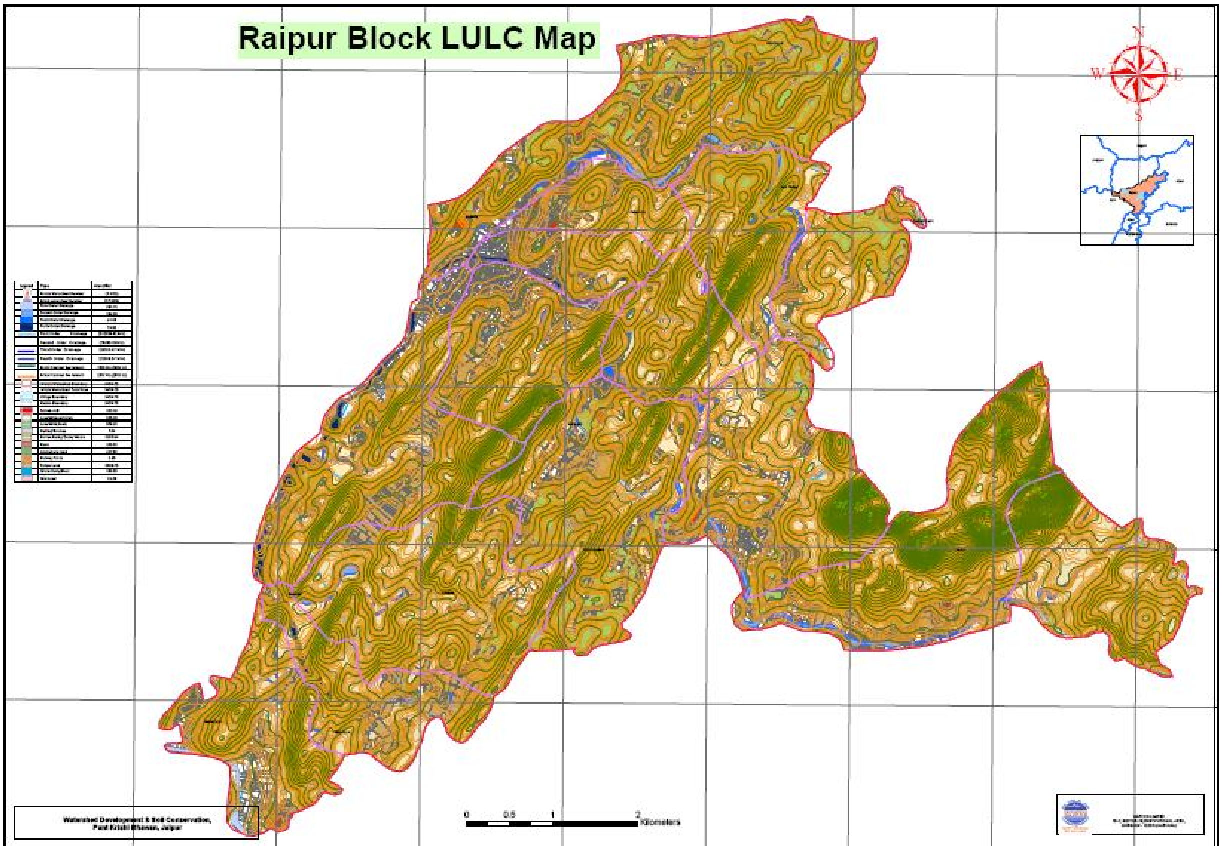


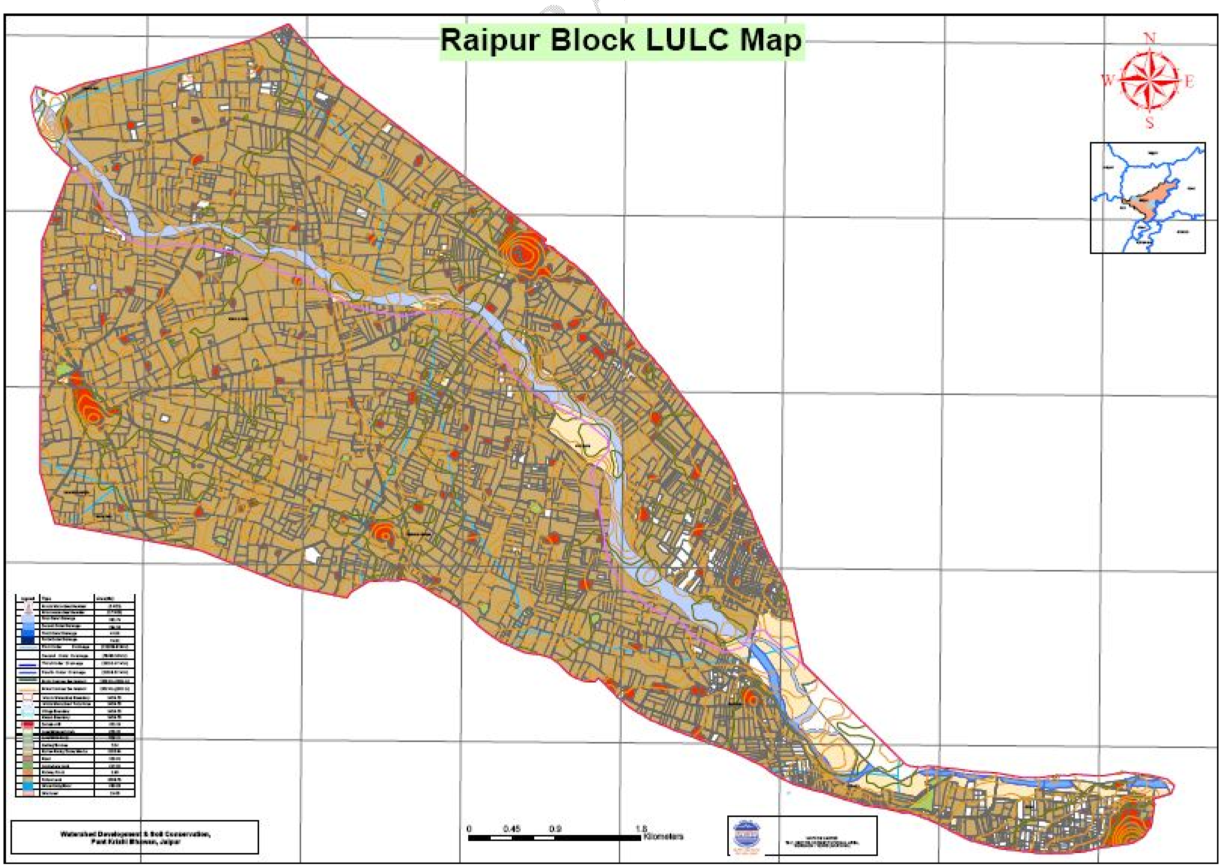
Table of Contents

Project at a Glance

1.	Name of watershed	:	Pali IWMP XVI/ 2010-11, RAIPUR-II
2.	Total watershed area	:	6472 Ha.
3.	Project Area	:	5302 Ha.
4.	Macro watershed number	:	12
5.	Micro-watershed number	:	21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
6.	Gram Panchyat	:	Bar, Jhala Ki Chouki, Deepawas, Kanuja, Kushalpura, Nimbera Kalan, Raipur
7.	Villages in watershed area	:	Asan Tiloriya, Fata Khera, Kaya Bheela, Malni, Ballo Pura, Deepawas, Megarda, Chak Deepawas, Makarwali, Kushalpura, Nimbera Kalan, Ralimangra, Raipur
8.	Panchayat Samiti	:	RAIPUR
9.	Tehsil	:	RAIPUR
10.	Total Population of w/s Area	:	38769 No
11.	Total No. of Families	:	1651 No
12.	Percentage of SC/ST Population	:	14.96 % & 0.39 %
13.	Percentage of BPL Families	:	17.32 %
14.	Name of project	:	Integrated Watershed Management Program
15.	Total Amount	:	893.00 Lacks
16.	W/S Scheme	:	795.30 Lacks
17.	Other Scheme	:	97.70 Lacks
18.	Cost per Ha	:	0.17 Lac.

Watershed Map





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. Raipur to develop 5302 Ha. through Department of Land Resources and Watershed, Zilla Parishad, PALI. 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 Raipur :

Raipur is situated between 73^{0}40’0”E to 74^{0}25’0” E and 25^{0}49’0” N to 26^{0}17’0” N and has an Average elevation of 350 Mtr. from mean sea Level. The northern boundary is P.S. Jaitaran and on the east by P.S. Sojat, on the south by Distt. Ajmer & Rajsamand and on the west by Ajmer Distt. are surrounded in other sides. The topography is both undulated as well as Semi Hilly. On one side it is surrounded by plain and good forest reserve on the other hand there lies a huge patch of land with Maximum Slope and degraded Ecosystem. With an program to Implement watershed development in the region, 5302 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 Gandi 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 Raipur :-

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 Raipur Tehsil 105000 Ha divided in 133 Micro W/S, out of which corresponding has been treated so far.

According to IWMP-XVI , 13 villages of Raipur Tehsil have been identified falling under the watershed comprising of 5302 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 Looni River Basin. IWMP-XVI 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 Raipur 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

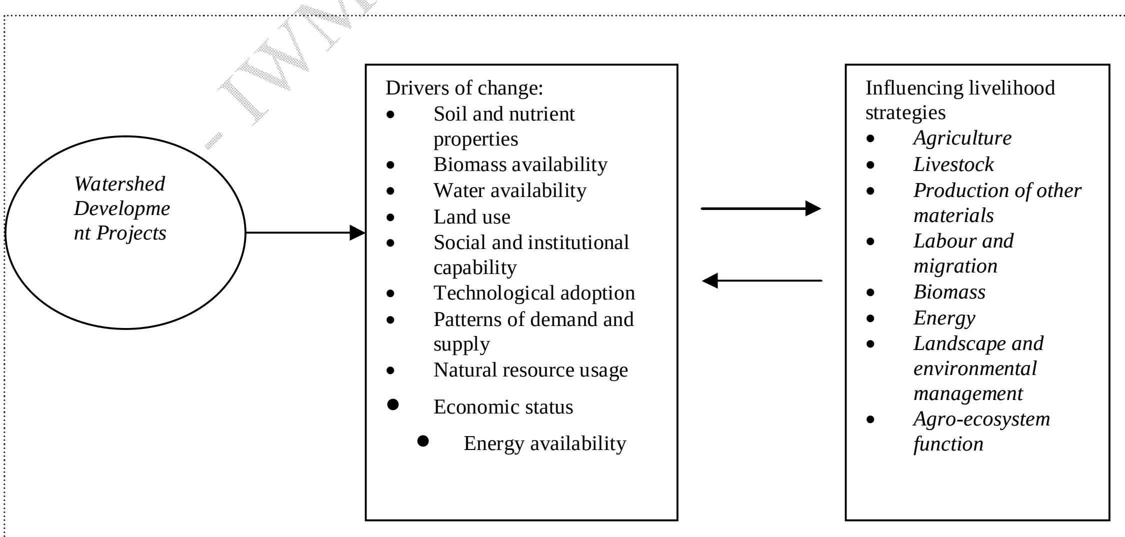
Resources is one of the reasons for Watershed Development and has huge prospects in transforming rural lives and looks into holistic process of:

- 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.



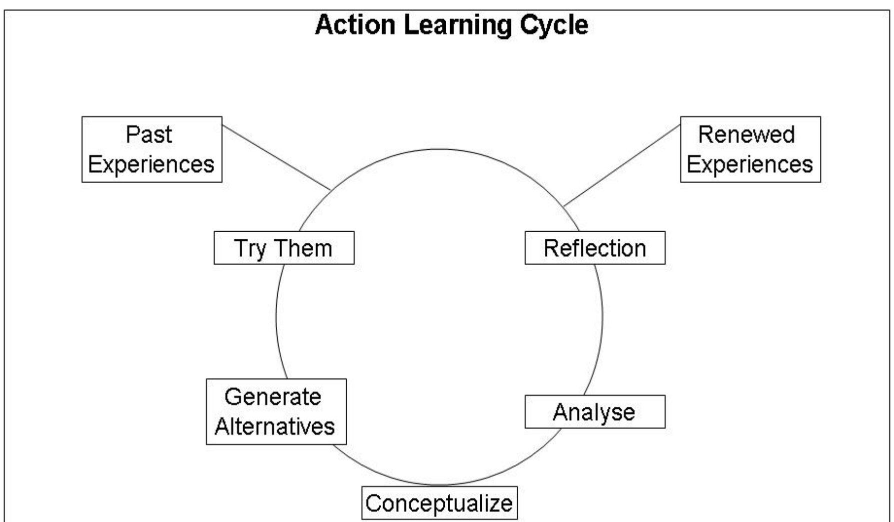
Another important aspect is comprehensively looking both the supply side enhancement measures and the demand side management measures in watershed development programs. Only focusing on the supply side enhancement measures have not helped the communities to put up sustainable and judicious use of the 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



1. Understanding the environment
2. Identification of the problem
3. Analysis of the situation (strengths and weakness)
4. Finding possible alternative solutions
5. Trial and evaluation of the alternatives
6. Implementation and sharing the results

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 Re vegetation 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:

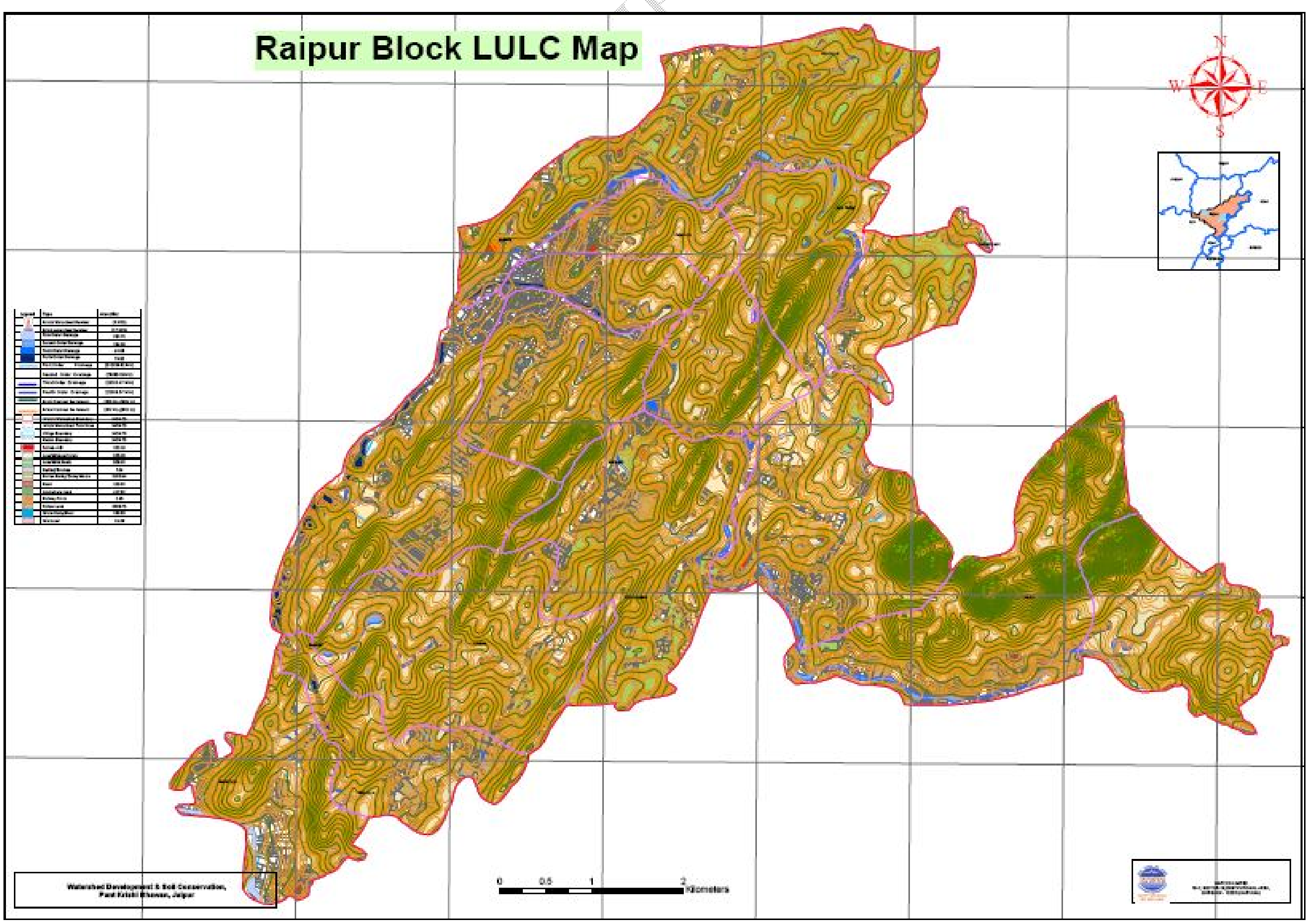
- Lack of participation makes the implementation of watershed projects very ineffective therefore strong collective management by village institutions over their landscape, with appropriate tenure arrangements, in contiguous areas in each location. As the setting and level of discussion in each of the 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.

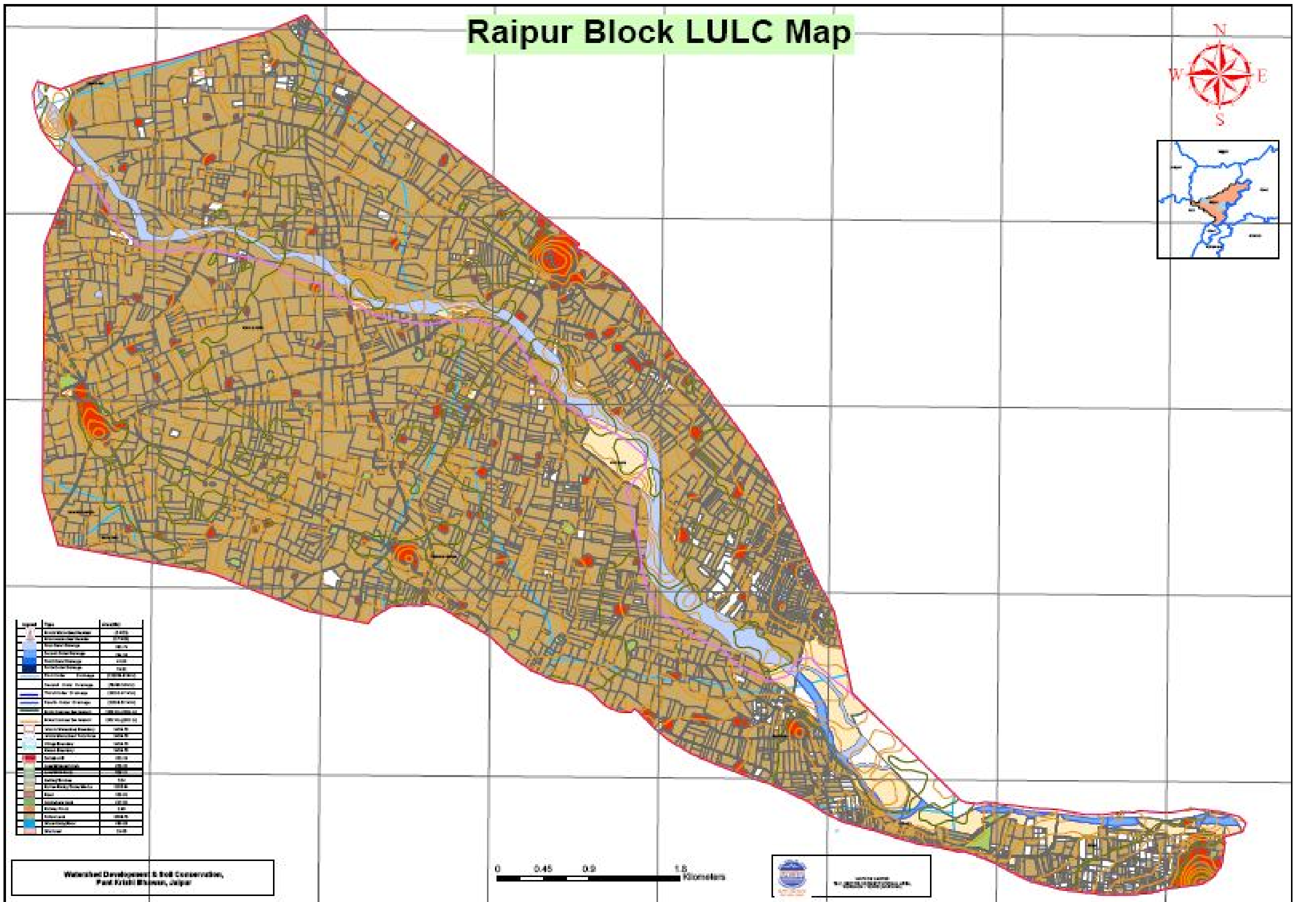
- Landscape planning and management engages different actors (scientific experts, professionals and village communities) in an informed, iterative and participatory planning process. This planning process through understanding alternative future scenarios helps to encourage informed discussions of alternatives. The discussion leads to a landscape plan that is adaptive in terms of implementation, monitoring and learning.

7. Area Details:

7.1 Geographical Profile:

Raipur is situated between $73^{0}40'0"$E to $74^{0}25'0"$ E and $25^{0}49'0"$ N to $26^{0}17'0"$ N and has an Average elevation of 350 Mtr. from mean sea Level. The northern boundary is P.S. Jaitaran and on the east by P.S. Sojat, on the south by Distt. Ajmer & Rajsamand and on the west by Ajmer Distt. Pali District falls in the Luni Basin.





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-apatitie 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 Raipur area, Dicanthium-Cenchrus-Lasiurus Grassland is found.

In Raipur the Rainfall ranges between 140-790 mm, which is favorable for the former grassland type, the temperature is also very high. The average annual Temperature ranges between 43-47°c.

Table 4: Grass species present in the area

Locality	Annual Species	Perennial Species
Stony sites, hills slope	*Arustedo depressa :* *A. Adrean rions Melano elenchrun*	*Cenchrus citigera* *Cenchrus ciloris* *Heteropgon contracts* *Sehima Nonorm* *Chrysopogn - felius* *Evemopogan foveloty*
Depression, plateau valley, deep soil	*Aristed ship* *Chlores uergata* *Eragrotis sp*	*Dieanthlime annualatc* *Eremopoganrh* *Cynodan dactylan* *Bothriochloa.*

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, Azadirecta 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, Rhizophus, 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. Raipur 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 it self, 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 Raipur is Looni 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 Bajara, Moth, Til, Wheat, Mustard, 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 Zee 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:

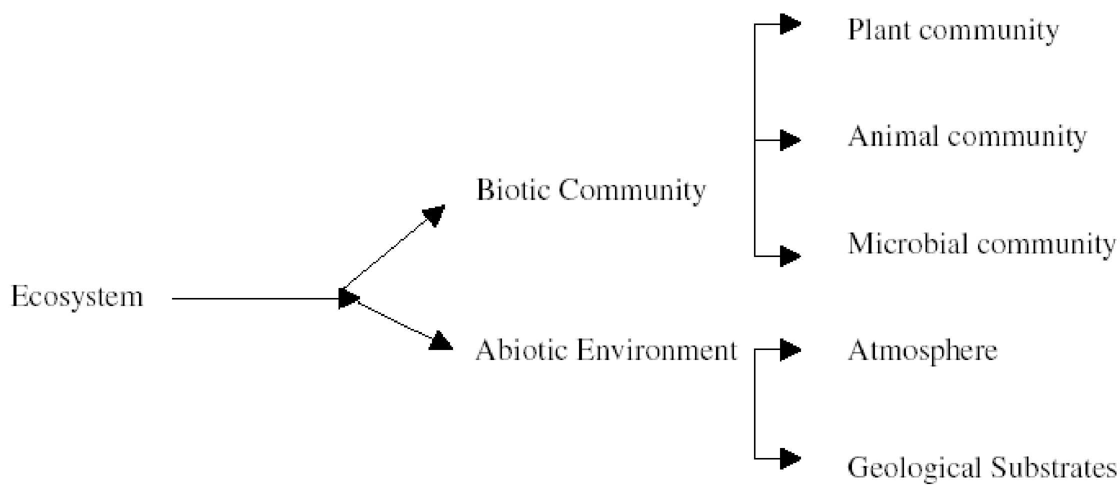
    Primary consumers are herbivores represented by a variety of animals, big as well as small. The smaller animals include chiefly the insects as aphids, trips, beetles, etc. which feed and lay their eggs on maize leaves. Larger animals are rabbits, rats, birds and man feeding on leaves, flowers and fruits 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: frog s 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 Raipur is moderately to severely eroded mainly by rivers and Nalla, 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/Triple 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 5302. Ha.

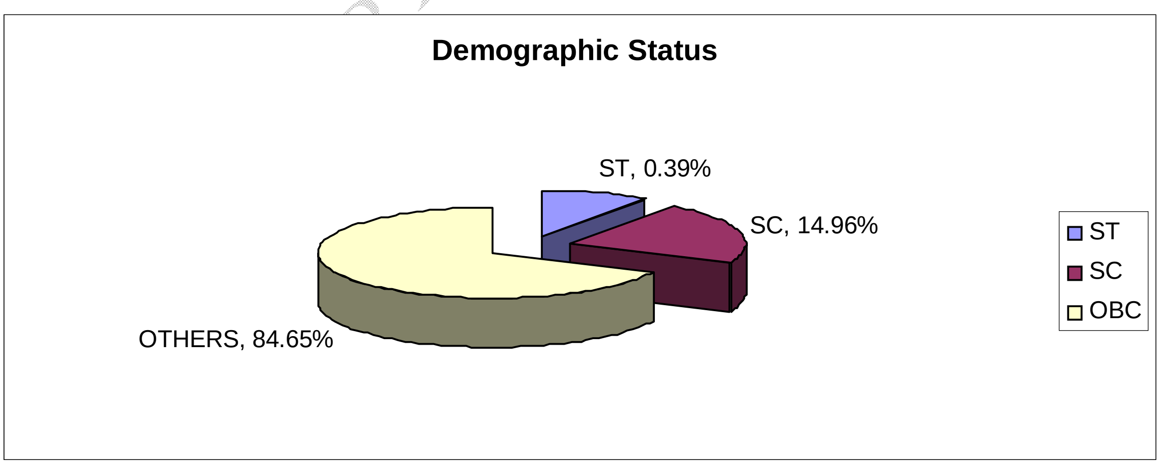
<u>tyxg.k {k= e vku oky xko dh Hkfe fooj.k</u>

d- l-	xko dk uke	xke ipk;r	flfpr	vflfpr	vdf"k Hkfe		mipkj d fy, miyC/k	;kx	mipkj d fy, miyC/k ugh
					futh	ljdkjh			
1	ASAN TILORIYA	JHALA KI CHOKI	25	59	4	113	201	201	0
2	FATA KHERA	JHALA KI CHOKI	15	29	63	164	271	271	0
3	KAYA BHEELA	JHALA KI CHOKI	29	71	52	285	437	1336	899
4	MALNI	JHALA KI CHOKI	26	103	88	305	522	591	69
5	BALOOPURA	DEEPAWAS	6	106	102	587	801	1327	526
6	DEEPAWAS	DEEPAWAS	126	200	77	177	580	580	0
7	MEGARDA	DEEPAWAS	47	119	37	72	275	275	0
8	CHAK DEEPAWAS	KANUJA	84	33	0	121	238	238	0
9	KUSHALPURA	KUSHALPURA	379	269	43	37	728	2420	1692
10	NIMBERA KALAN	NIMBERA KALAN	224	305	55	43	627	1951	1324
11	MAKARWALI	BAR	46	95	13	28	182	182	0
12	RAILMANGRA	BAR	40	73	20	22	155	250	95
13	RAIPUR	RAIPUR	130	104	10	41	285	4728	4443
TOTAL			**1177**	**1566**	**564**	**1995**	**5302**	**14350**	**9048**

7.5 Demographic Profile

TOTAL FAMILY

S. No	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	JHALA KI CHOKI	ASAN TILORIYA	8	0	75	5	6	**94**
2	JHALA KI CHOKI	FATA KHERA	0	0	115	9	12	**136**
3	JHALA KI CHOKI	KAYA BHEELA	10	0	195	22	43	**270**
4	JHALA KI CHOKI	MALNI	0	0	116	11	26	**153**
5	DEEPAWAS	BALOOPURA	5	0	85	0	15	**105**
6	DEEPAWAS	DEEPAWAS	56	0	198	25	51	**330**
7	DEEPAWAS	MEGARDA	90	0	96	15	22	**223**
8	KANUJA	CHAK DEEPAWAS	7	0	30	0	0	**37**
9	KUSHALPURA	KUSHALPURA	70	2	222	44	74	**412**
10	NIMBERA KALAN	NIMBERA KALAN	170	5	426	86	115	**802**
11	BAR	MAKARWALI	0	0	56	9	15	**80**
12	BAR	RAILMANGRA	0	0	47	5	13	**65**
13	RAIPUR	RAIPUR	79	6	384	50	83	**602**
TOTAL			**495**	**13**	**2045**	**281**	**475**	**3309**



(Source House Hold Survey)

Population:

The Population under the project area is inhabited by different types of communities like Gurjar, Jat, Reger, Mali, Rajputs, Vaishnav, Brahmins etc.

S. No	Panchayat Name	Village Name	vf'kf{kr			ikFkfed f'k{kk			mPp ikFkfed f'k{kk			gk;j f'k{kk			Grand Total
			MALE	FEMALE	tot. Ili	MALE	FEMALE	T. P	MALE	FEMALE	T. UP	MALE	FEMALE	T. H	
1	JHALA KI CHOKI	ASAN TILORIYA	156	233	389	77	47	124	69	30	99	21	4	25	**637**
2	JHALA KI CHOKI	FATA KHERA	196	293	489	53	31	84	47	20	67	14	3	17	**657**
3	JHALA KI CHOKI	KAYA BHEELA	438	655	1093	105	63	168	93	41	134	28	6	34	**1429**
4	JHALA KI CHOKI	MALNI	262	391	653	80	48	128	71	31	102	22	4	26	**909**
5	DEEPAWAS	BALOOPURA	170	255	425	35	21	56	32	13	45	10	2	12	**538**
6	DEEPAWAS	DEEPAWAS	461	691	1152	174	106	280	155	69	224	46	10	56	**1712**
7	DEEPAWAS	MEGARDA	322	481	803	144	87	231	128	57	185	39	8	47	**1266**
8	KANUJA	CHAK DEEPAWAS	38	56	94	25	15	40	23	9	32	7	1	8	**174**
9	KUSHALPURA	KUSHALPURA	2341	3510	5851	1492	914	2406	1329	596	1925	396	86	482	**10664**
10	NIMBERA KALAN	NIMBERA KALAN	888	1330	2218	691	422	1113	615	275	890	183	40	223	**4444**
11	BAR	MAKARWALI	79	117	196	75	45	120	67	29	96	20	4	24	**436**
12	BAR	RAILMANGRA	50	74	124	71	42	113	63	28	91	19	4	23	**351**
13	RAIPUR	RAIPUR	3131	4695	7826	2396	1467	3863	2133	957	3090	634	139	773	**15552**
TOTAL			**8532**	**12781**	**21313**	**5418**	**3308**	**8726**	**4825**	**2155**	**6980**	**1439**	**311**	**1750**	**38769**

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 MALNI 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 257 Lakh Hectares (1998-99). The estimated food grain production is 172.96 Lakh Tonnes. Rajasthan grows both Kharif and Rabi crops but the farmer is more important than the latter. The principal crops cultivated in the state are rice, barely, jawar, 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 Raipur. 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 Bajara, Moth, Til, Wheat, Mustard 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 Raipur 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 Raipur IWMP-XVI 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 Raipur (IWMP XVI)

TOTAL FAMILY

S. No	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	JHALA KI CHOKI	ASAN TILORIYA	8	0	75	5	6	**94**
2	JHALA KI CHOKI	FATA KHERA	0	0	115	9	12	**136**
3	JHALA KI CHOKI	KAYA BHEELA	10	0	195	22	43	**270**
4	JHALA KI CHOKI	MALNI	0	0	116	11	26	**153**
5	DEEPAWAS	BALOOPURA	5	0	85	0	15	**105**
6	DEEPAWAS	DEEPAWAS	56	0	198	25	51	**330**
7	DEEPAWAS	MEGARDA	90	0	96	15	22	**223**
8	KANUJA	CHAK DEEPAWAS	7	0	30	0	0	**37**
9	KUSHALPURA	KUSHALPURA	70	2	222	44	74	**412**
10	NIMBERA KALAN	NIMBERA KALAN	170	5	426	86	115	**802**
11	BAR	MAKARWALI	0	0	56	9	15	**80**
12	BAR	RAILMANGRA	0	0	47	5	13	**65**
13	RAIPUR	RAIPUR	79	6	384	50	83	**602**
TOTAL			**495**	**13**	**2045**	**281**	**475**	**3309**

Livelihood enhancement plan

S. No	Village Name	SMALL FARMERS						MARGINAL FARMERS						BIG FARMERS						TOTAL
		SC	ST	OBC	Minority	Others	Total	SC	ST	OBC	Minority	Others	Total	SC	ST	OBC	Minority	Others	Total	
1	ASAN TILORIYA	2	0	24	1	2	**29**	3	0	20	2	2	**27**	0	0	10	0	0	**10**	66
2	FATA KHERA	0	0	38	3	4	**45**	0	0	29	3	3	**35**	0	0	16	0	1	**17**	97
3	KAYA BHEELA	4	0	65	8	15	**92**	3	0	50	6	11	**70**	0	0	27	2	5	**34**	196
4	MALNI	0	0	38	4	9	**51**	0	0	30	3	7	**40**	0	0	16	1	2	**19**	110
5	BALOOPURA	1	0	28	0	5	**34**	2	0	22	0	4	**28**	0	0	12	0	1	**13**	75
6	DEEPAWAS	19	0	65	9	17	**110**	15	0	51	7	13	**86**	6	0	28	2	7	**43**	239
7	MEGARDA	30	0	32	5	8	**75**	24	0	25	4	6	**59**	11	0	13	1	2	**27**	161
8	CHAK DEEPAWAS	3	0	10	0	0	**13**	2	0	9	0	0	**11**	0	0	2	0	0	**2**	26
9	KUSHALPURA	23	1	73	15	25	**137**	18	1	57	12	19	**107**	10	0	32	5	10	**57**	301
10	NIMBERA KALAN	56	2	140	29	38	**265**	44	2	109	22	30	**207**	24	0	61	11	15	**111**	583
11	MAKARWALI	0	0	19	3	5	**27**	0	0	14	3	4	**21**	0	0	7	0	1	**8**	56
12	RAILMANGRA	0	0	16	2	5	**23**	0	0	13	2	4	**19**	0	0	5	0	0	**5**	47
13	RAIPUR	26	2	126	17	28	**199**	21	2	98	13	22	**156**	10	0	56	6	10	**82**	437
TOTAL		**164**	**5**	**674**	**96**	**161**	**1100**	**132**	**5**	**527**	**77**	**125**	**866**	**61**	**0**	**285**	**28**	**54**	**428**	**2394**

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 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 Masonary 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 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
- Road Side Plantation
- Khadin

8.2.3 Drainage line treatment

Stream orders of M, M-L1, L2, L3, L4 & M-R1, R2, R3, R4 are present in the project area. Firstly it is observed that due to minimal slope sheath erosion is very prominent leading to extensive Siltasion 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 Check Dam)
- L. S. C. D.
- Gali Plug
- Gevian

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.


नारा लेखन कार्य
101
जल रोको, मिट्टी बचाओ,
भूमि को हरा-भरा बनाओ।
सहायक अभि. जलग्रहण विकास एवं भू संरक्षण पं.स. रायपुर [मेगड़दा]


नारा लेखन कार्य
जलग्रहण विकास कार्य अपनाओ,
सूखा भगाओ, समृद्धि लाओ।
सहायक अभि. जलग्रहण विकास एवं भू-संरक्षण पं. स. रायपुर [चक दीपावास]
41

नारा लेखन कार्य

नारा लेखन कार्य

नारा लेखन कार्य


४८
जलग्रहण विकास कार्य अपनाओ,
सूखा भगाओ, समृद्धि लाओ।
सहायक अभि. जलग्रहण विकास एवं भू संरक्षण प. स. रायपुर/फतासेड़ा


राजस्व ग्राम कुशालपुरा
ग्राम पंचायत कुशालपुरा


दीपावास
ग्राम पंचायत


राजस्व ग्राम: झाला की चौकी
ग्राम पंचायत: झाला की चौकी


राजस्वग्राम : निम्बेडाकला
ग्राम पंचायत : निम्बेडाकला

प्रशिक्षण कार्यक्रम

P. R. A. ACTIVITY

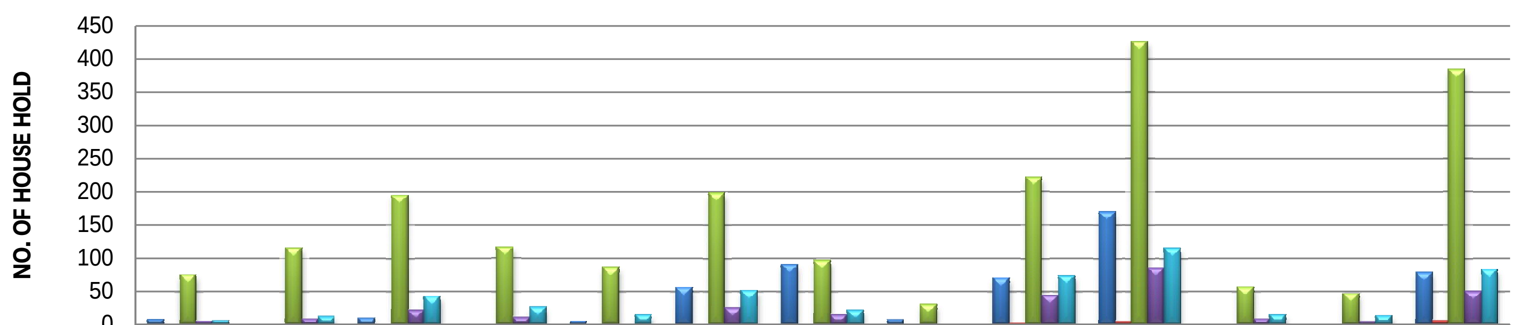
प्रवेश बिन्दु गतिविधि

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY

TOTAL FAMILY

S.No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	8	0	75	5	6	**94**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	115	9	12	**136**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	10	0	195	22	43	**270**
4	PALI	JHALA KI CHOKI	MALNI	0	0	116	11	26	**153**
5	PALI	DEEPAWAS	BALOOPURA	5	0	85	0	15	**105**
6	PALI	DEEPAWAS	DEEPAWAS	56	0	198	25	51	**330**
7	PALI	DEEPAWAS	MEGARDA	90	0	96	15	22	**223**
8	PALI	KANUJA	CHAK	7	0	30	0	0	**37**
9	PALI	KUSHALPURA	KUSHALPURA	70	2	222	44	74	**412**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	170	5	426	86	115	**802**
11	PALI	BAR	MAKARWALI	0	0	56	9	15	**80**
12	PALI	BAR	RAILMANGRA	0	0	47	5	13	**65**
13	PALI	RAIPUR	RAIPUR	79	6	384	50	83	**602**
		TOTAL		**495**	**13**	**2045**	**281**	**475**	**3309**

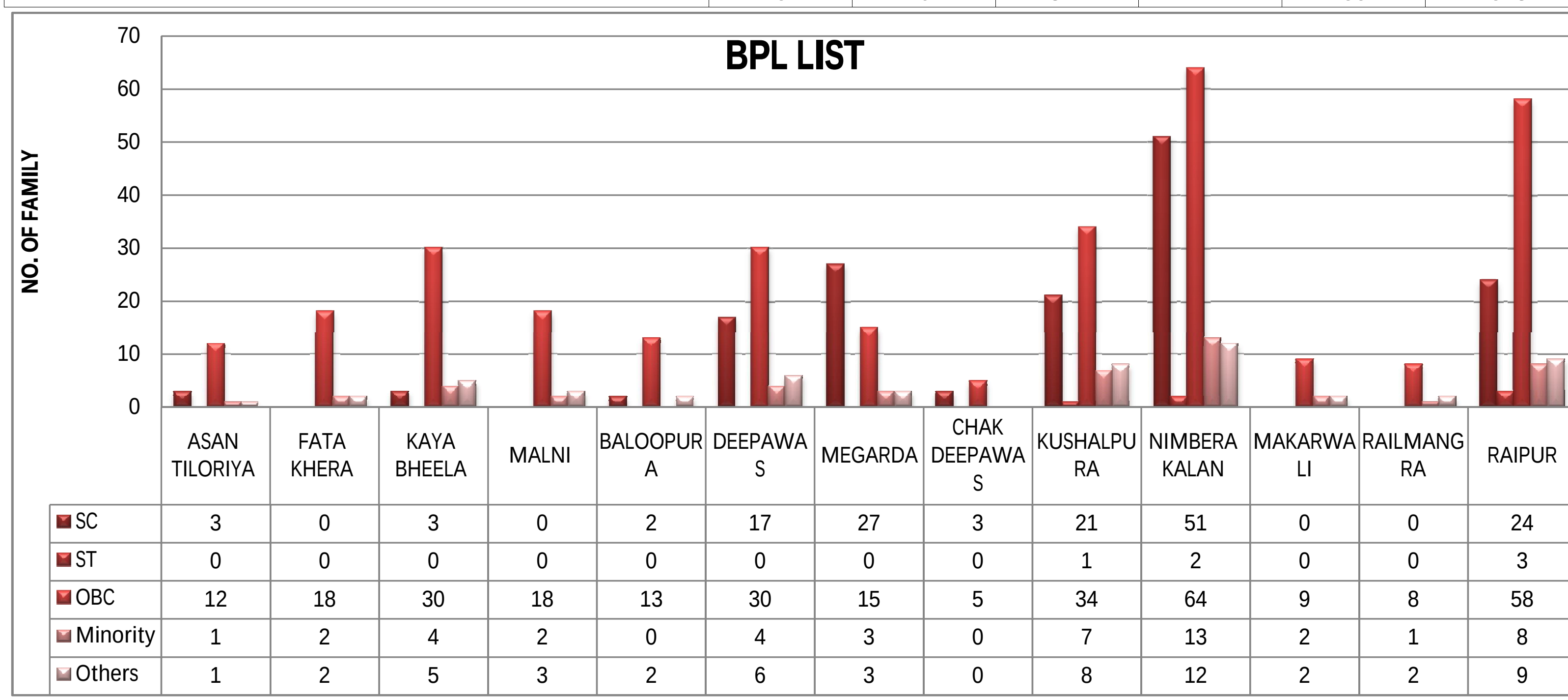
TOTAL FAMILY LIST



	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOP URA	DEEPAW AS	MEGARD A	CHAK DEEPAW AS	KUSHALP URA	NIMBERA KALAN	MAKARW ALI	RAILMAN GRA	RAIPUR
SC	8	0	10	0	5	56	90	7	70	170	0	0	79
ST	0	0	0	0	0	0	0	0	2	5	0	0	6
OBC	75	115	195	116	85	198	96	30	222	426	56	47	384
Minority	5	9	22	11	0	25	15	0	44	86	9	5	50
Others	6	12	43	26	15	51	22	0	74	115	15	13	83

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
BPL LIST

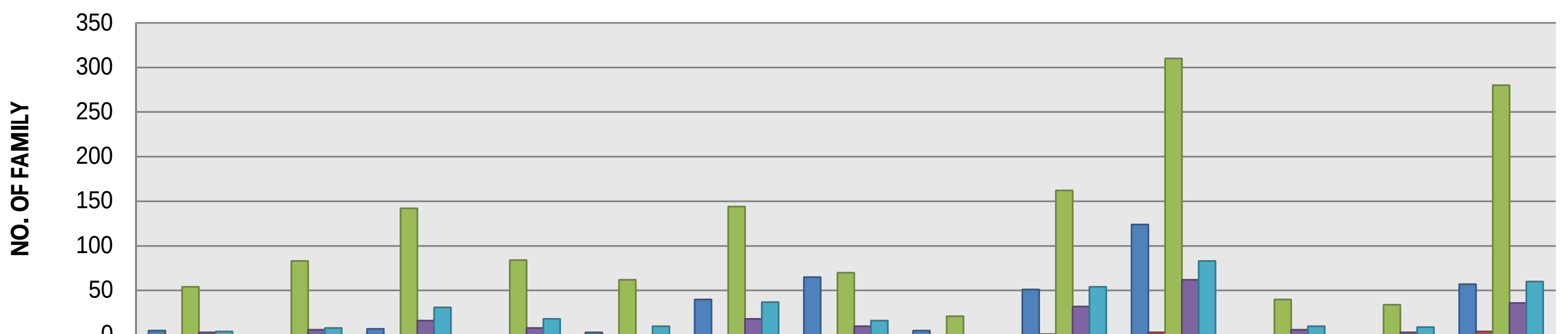
S.No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	3	0	12	1	1	**17**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	18	2	2	**22**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	3	0	30	4	5	**42**
4	PALI	JHALA KI CHOKI	MALNI	0	0	18	2	3	**23**
5	PALI	DEEPAWAS	BALOOPURA	2	0	13	0	2	**17**
6	PALI	DEEPAWAS	DEEPAWAS	17	0	30	4	6	**57**
7	PALI	DEEPAWAS	MEGARDA	27	0	15	3	3	**48**
8	PALI	KANUJA	CHAK DEEPAWAS	3	0	5	0	0	**8**
9	PALI	KUSHALPURA	KUSHALPURA	21	1	34	7	8	**71**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	51	2	64	13	12	**142**
11	PALI	BAR	MAKARWALI	0	0	9	2	2	**13**
12	PALI	BAR	RAILMANGRA	0	0	8	1	2	**11**
13	PALI	RAIPUR	RAIPUR	24	3	58	8	9	**102**
TOTAL				**151**	**6**	**314**	**47**	**55**	**573**



(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
Hkfe/kkjd ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	5	0	54	3	4	**66**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	83	6	8	**97**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	7	0	142	16	31	**196**
4	PALI	JHALA KI CHOKI	MALNI	0	0	84	8	18	**110**
5	PALI	DEEPAWAS	BALOOPURA	3	0	62	0	10	**75**
6	PALI	DEEPAWAS	DEEPAWAS	40	0	144	18	37	**239**
7	PALI	DEEPAWAS	MEGARDA	65	0	70	10	16	**161**
8	PALI	KANUJA	CHAK DEEPAWAS	5	0	21	0	0	**26**
9	PALI	KUSHALPURA	KUSHALPURA	51	1	162	32	54	**300**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	124	3	310	62	83	**582**
11	PALI	BAR	MAKARWALI	0	0	40	6	10	**56**
12	PALI	BAR	RAILMANGRA	0	0	34	3	9	**46**
13	PALI	RAIPUR	RAIPUR	57	4	280	36	60	**437**
TOTAL				**357**	**8**	**1486**	**200**	**340**	**2391**

LAND HOLDING DETAIL'S



	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOPU RA	DEEPAW AS	MEGARD A	CHAK DEEPAW AS	KUSHALP URA	NIMBERA KALAN	MAKARW ALI	RAILMAN GRA	RAIPUR
SC	5	0	7	0	3	40	65	5	51	124	0	0	57
ST	0	0	0	0	0	0	0	0	1	3	0	0	4
OBC	54	83	142	84	62	144	70	21	162	310	40	34	280
Minority	3	6	16	8	0	18	10	0	32	62	6	3	36
Others	4	8	31	18	10	37	16	0	54	83	10	9	60

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41

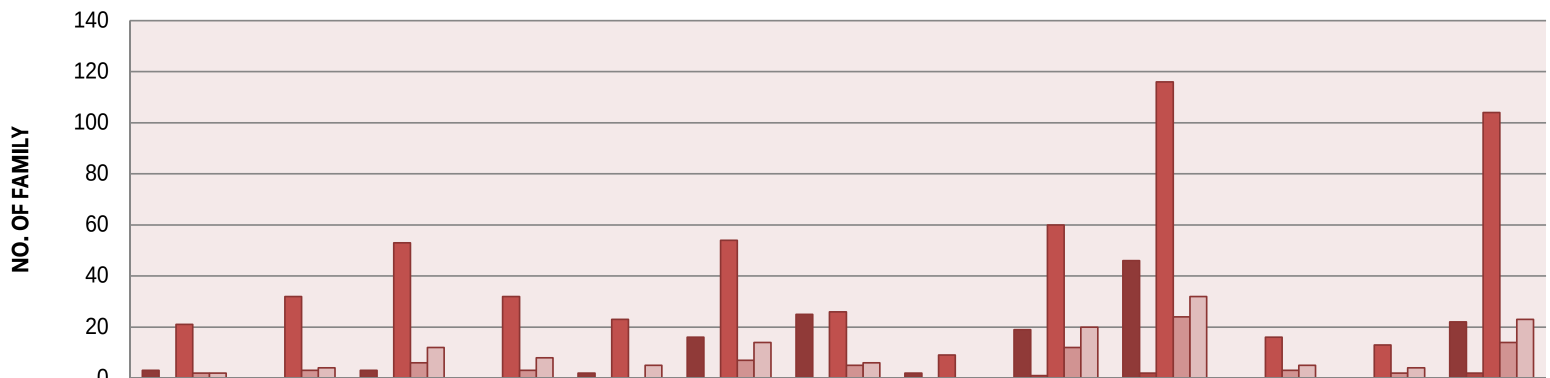
P.S. - RAIPUR, DISTT. - PALI (RAJ.)

AS PER BASE LINE SURVEY

Hkfeghu ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	3	0	21	2	2	**28**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	32	3	4	**39**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	3	0	53	6	12	**74**
4	PALI	JHALA KI CHOKI	MALNI	0	0	32	3	8	**43**
5	PALI	DEEPAWAS	BALOOPURA	2	0	23	0	5	**30**
6	PALI	DEEPAWAS	DEEPAWAS	16	0	54	7	14	**91**
7	PALI	DEEPAWAS	MEGARDA	25	0	26	5	6	**62**
8	PALI	KANUJA	CHAK DEEPAWAS	2	0	9	0	0	**11**
9	PALI	KUSHALPURA	KUSHALPURA	19	1	60	12	20	**112**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	46	2	116	24	32	**220**
11	PALI	BAR	MAKARWALI	0	0	16	3	5	**24**
12	PALI	BAR	RAILMANGRA	0	0	13	2	4	**19**
13	PALI	RAIPUR	RAIPUR	22	2	104	14	23	**165**
TOTAL				**138**	**5**	**559**	**81**	**135**	**918**

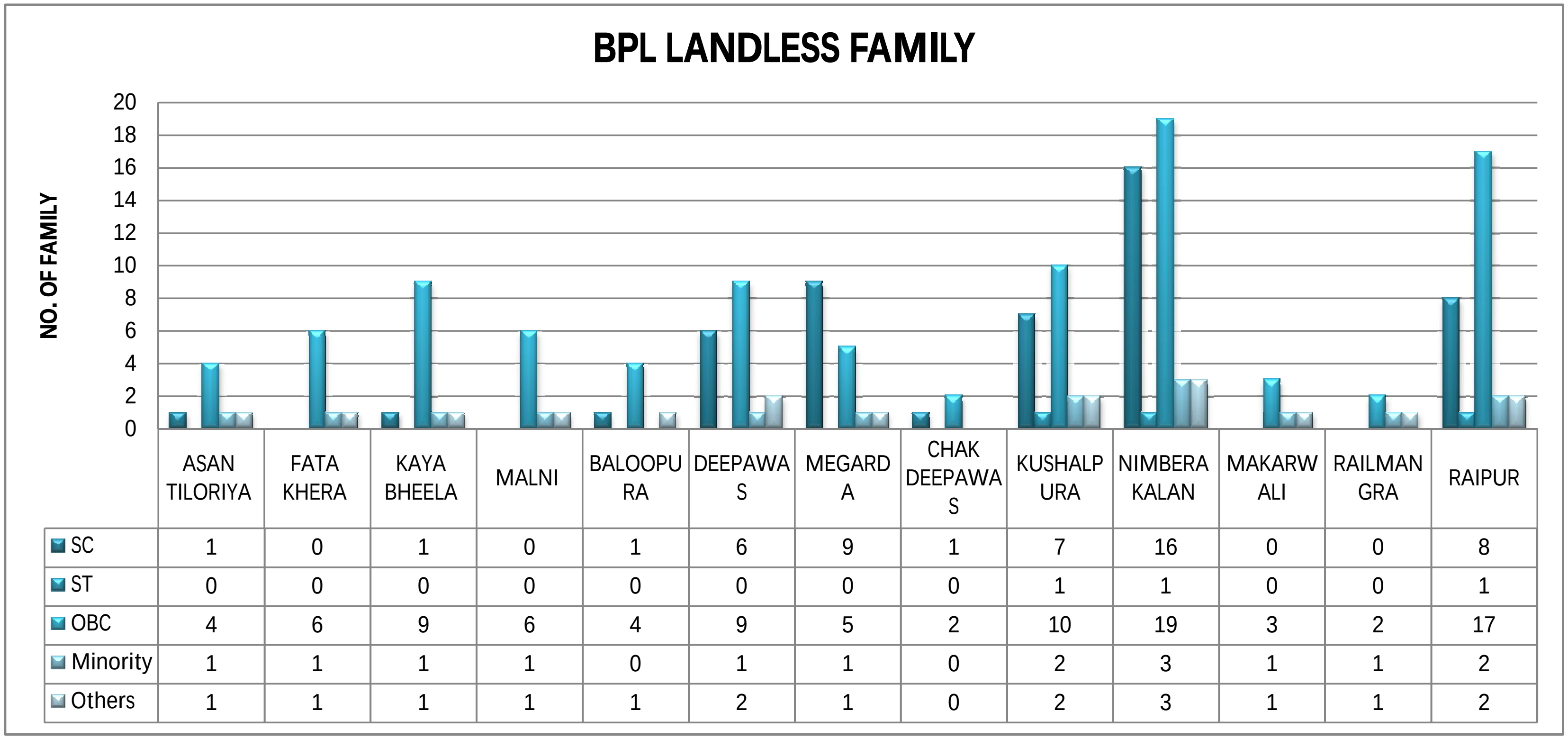
LANDLESS FAMILY



	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOPU RA	DEEPAWA S	MEGARDA	CHAK DEEPAWA S	KUSHALP URA	NIMBERA KALAN	MAKARW ALI	RAILMAN GRA	RAIPUR
SC	3	0	3	0	2	16	25	2	19	46	0	0	22
ST	0	0	0	0	0	0	0	0	1	2	0	0	2
OBC	21	32	53	32	23	54	26	9	60	116	16	13	104
Minority	2	3	6	3	0	7	5	0	12	24	3	2	14
Others	2	4	12	8	5	14	6	0	20	32	5	4	23

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
p;fur Hkwfeghu ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	1	0	4	1	1	**7**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	6	1	1	**8**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	1	0	9	1	1	**12**
4	PALI	JHALA KI CHOKI	MALNI	0	0	6	1	1	**8**
5	PALI	DEEPAWAS	BALOOPURA	1	0	4	0	1	**6**
6	PALI	DEEPAWAS	DEEPAWAS	6	0	9	1	2	**18**
7	PALI	DEEPAWAS	MEGARDA	9	0	5	1	1	**16**
8	PALI	KANUJA	CHAK DEEPAWAS	1	0	2	0	0	**3**
9	PALI	KUSHALPURA	KUSHALPURA	7	1	10	2	2	**22**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	16	1	19	3	3	**42**
11	PALI	BAR	MAKARWALI	0	0	3	1	1	**5**
12	PALI	BAR	RAILMANGRA	0	0	2	1	1	**4**
13	PALI	RAIPUR	RAIPUR	8	1	17	2	2	**30**
TOTAL				**50**	**3**	**96**	**15**	**17**	**181**



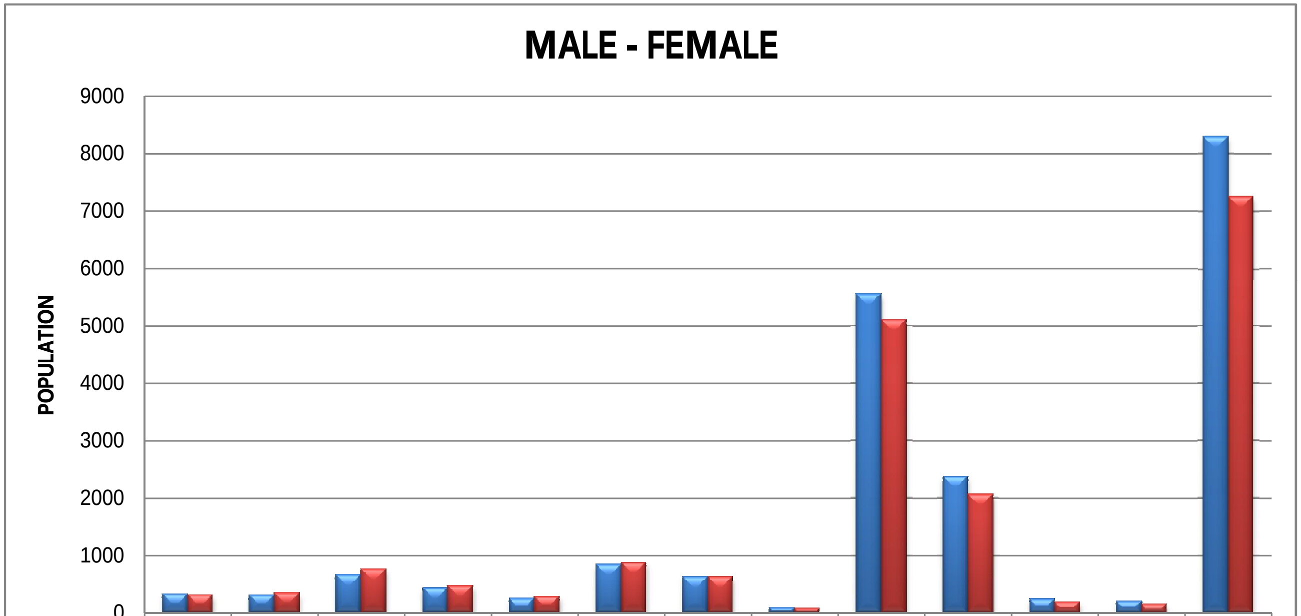
(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY

S. No	Block Name	Panchayat Name	Village Name	SMALL FARMERS					MARGINAL FARMERS					BIG FARMERS					TOTAL
				SC	ST	OBC	Minority	Others	SC	ST	OBC	Minority	Others	SC	ST	OBC	Minority	Others	
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	2	0	24	1	2	3	0	20	2	2	0	0	10	0	0	66
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	38	3	4	0	0	29	3	3	0	0	16	0	1	97
3	PALI	JHALA KI CHOKI	KAYA BHEELA	4	0	65	8	15	3	0	50	6	11	0	0	27	2	5	196
4	PALI	JHALA KI CHOKI	MALNI	0	0	38	4	9	0	0	30	3	7	0	0	16	1	2	110
5	PALI	DEEPAWAS	BALOOPURA	1	0	28	0	5	2	0	22	0	4	0	0	12	0	1	75
6	PALI	DEEPAWAS	DEEPAWAS	19	0	65	9	17	15	0	51	7	13	6	0	28	2	7	239
7	PALI	DEEPAWAS	MEGARDA	30	0	32	5	8	24	0	25	4	6	11	0	13	1	2	161
8	PALI	KANUJA	CHAK DEEPAWAS	3	0	10	0	0	2	0	9	0	0	0	0	2	0	0	26
9	PALI	KUSHALPURA	KUSHALPURA	23	1	73	15	25	18	1	57	12	19	10	0	32	5	10	301
10	PALI	NIMBERA KALAN	NIMBERA KALAN	56	2	140	29	38	44	2	109	22	30	24	0	61	11	15	583
11	PALI	BAR	MAKARWALI	0	0	19	3	5	0	0	14	3	4	0	0	7	0	1	56
12	PALI	BAR	RAILMANGRA	0	0	16	2	5	0	0	13	2	4	0	0	5	0	0	47
13	PALI	RAIPUR	RAIPUR	26	2	126	17	28	21	2	98	13	22	10	0	56	6	10	437
TOTAL				164	5	674	96	161	132	5	527	77	125	61	0	285	28	54	2394

	SMALL FARMERS					MARGINAL FARMERS					BIG FARMERS				
	SC	ST	OBC	Minority	Others	SC	ST	OBC	Minority	Others	SC	ST	OBC	Minority	Others
ASAN TILORIYA	2	0	24	1	2	3	0	20	2	2	0	0	10	0	0
FATA KHERA	0	0	38	3	4	0	0	29	3	3	0	0	16	0	1
KAYA BHEELA	4	0	65	8	15	3	0	50	6	11	0	0	27	2	5
MALNI	0	0	38	4	9	0	0	30	3	7	0	0	16	1	2
BALOOPURA	1	0	28	0	5	2	0	22	0	4	0	0	12	0	1
DEEPAWAS	19	0	65	9	17	15	0	51	7	13	6	0	28	2	7
MEGARDA	30	0	32	5	8	24	0	25	4	6	11	0	13	1	2
CHAK DEEPAWAS	3	0	10	0	0	2	0	9	0	0	0	0	2	0	0
KUSHALPURA	23	1	73	15	25	18	1	57	12	19	10	0	32	5	10
NIMBERA KALAN	56	2	140	29	38	44	2	109	22	30	24	0	61	11	15
MAKARWALI	0	0	19	3	5	0	0	14	3	4	0	0	7	0	1
RAILMANGRA	0	0	16	2	5	0	0	13	2	4	0	0	5	0	0
RAIPUR	26	2	126	17	28	21	2	98	13	22	10	0	56	6	10

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY

S. No	Block Name	Panchayat Name	Village Name	MALE	FEMALE	TOTAL
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	323	314	637
2	PALI	JHALA KI CHOKI	FATA KHERA	310	347	657
3	PALI	JHALA KI CHOKI	KAYA BHEELA	664	765	1429
4	PALI	JHALA KI CHOKI	MALNI	435	474	909
5	PALI	DEEPAWAS	BALOOPURA	247	291	538
6	PALI	DEEPAWAS	DEEPAWAS	836	876	1712
7	PALI	DEEPAWAS	MEGARDA	633	633	1266
8	PALI	KANUJA	CHAK DEEPAWAS	93	81	174
9	PALI	KUSHALPURA	KUSHALPURA	5558	5106	10664
10	PALI	NIMBERA KALAN	NIMBERA KALAN	2377	2067	4444
11	PALI	BAR	MAKARWALI	241	195	436
12	PALI	BAR	RAILMANGRA	203	148	351
13	PALI	RAIPUR	RAIPUR	8294	7258	15552
		TOTAL		20214	18555	38769



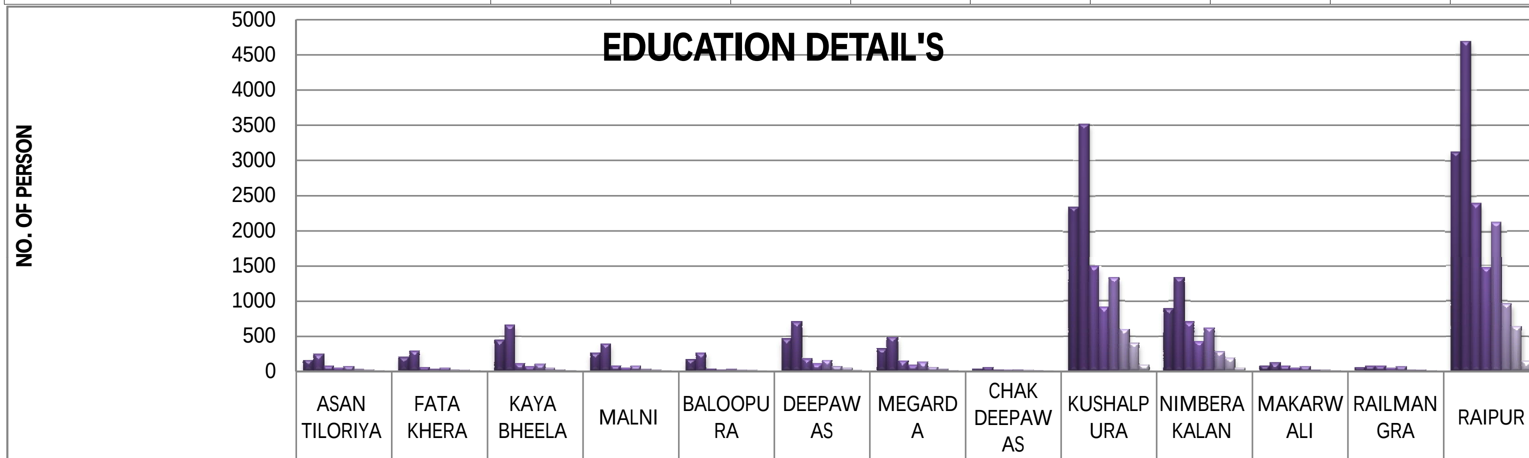
	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOPURA	DEEPAWAS	MEGARDA	CHAK DEEPAWAS	KUSHALPURA	NIMBERA KALAN	MAKARWALI	RAILMANGRA	RAIPUR
MALE	323	310	664	435	247	836	633	93	5558	2377	241	203	8294
FEMALE	314	347	765	474	291	876	633	81	5106	2067	195	148	7258

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

AS PER BASE LINE SURVEY

S. No	Block Name	Panchayat Name	Village Name	ILLITERATES		PRIMARY		UPER PRIMERY		HIGHER SEC.		Grand Total
				MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	156	233	77	47	69	30	21	4	**637**
2	PALI	JHALA KI CHOKI	FATA KHERA	196	293	53	31	47	20	14	3	**657**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	438	655	105	63	93	41	28	6	**1429**
4	PALI	JHALA KI CHOKI	MALNI	262	391	80	48	71	31	22	4	**909**
5	PALI	DEEPAWAS	BALOOPURA	170	255	35	21	32	13	10	2	**538**
6	PALI	DEEPAWAS	DEEPAWAS	461	691	174	106	155	69	46	10	**1712**
7	PALI	DEEPAWAS	MEGARDA	322	481	144	87	128	57	39	8	**1266**
8	PALI	KANUJA	CHAK	38	56	25	15	23	9	7	1	**174**
9	PALI	KUSHALPURA	KUSHALPURA	2341	3510	1492	914	1329	596	396	86	**10664**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	888	1330	691	422	615	275	183	40	**4444**
11	PALI	BAR	MAKARWALI	79	117	75	45	67	29	20	4	**436**
12	PALI	BAR	RAILMANGRA	50	74	71	42	63	28	19	4	**351**
13	PALI	RAIPUR	RAIPUR	3131	4695	2396	1467	2133	957	634	139	**15552**
TOTAL				**8532**	**12781**	**5418**	**3308**	**4825**	**2155**	**1439**	**311**	**38769**



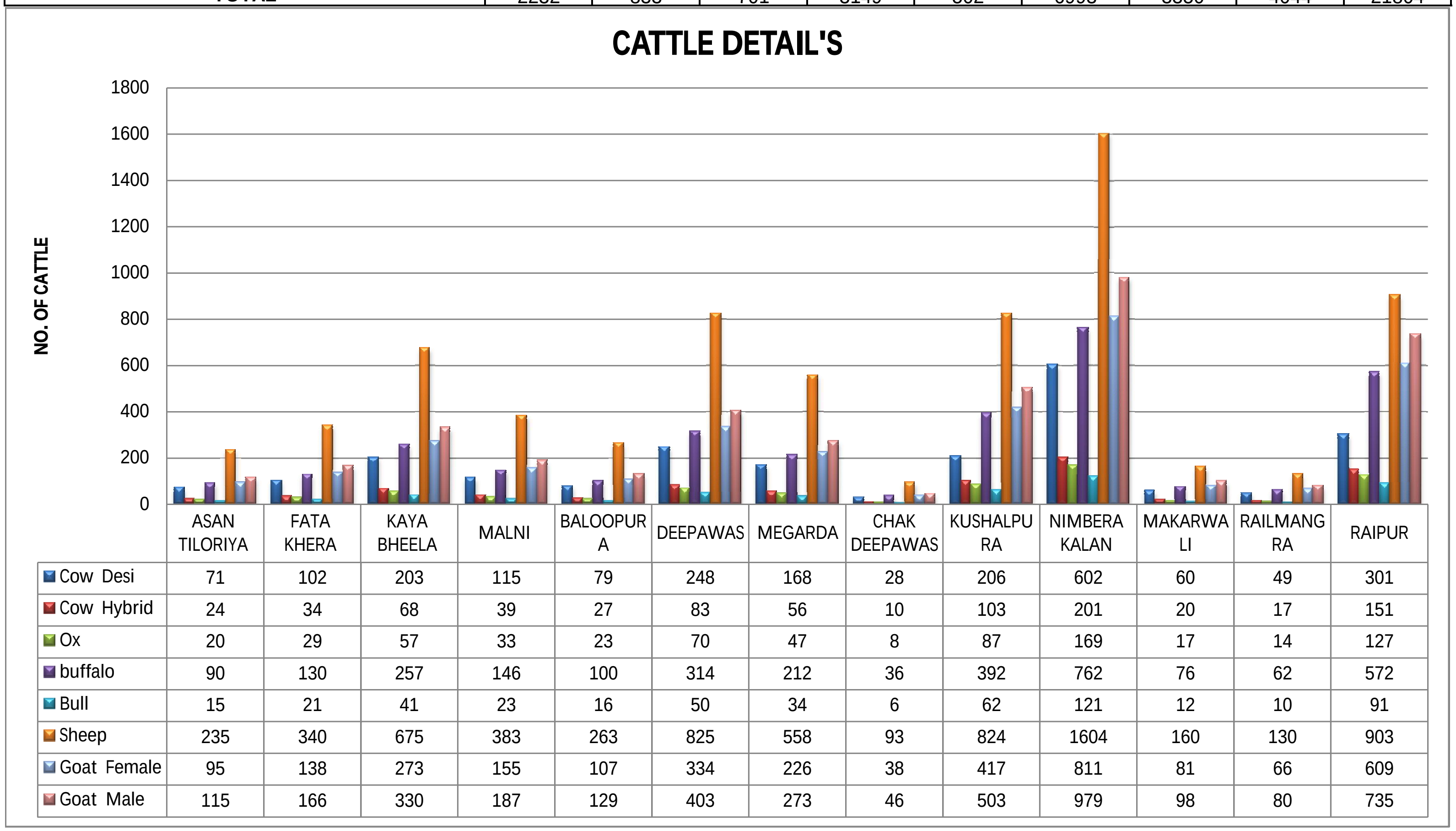
	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOPURA	DEEPAWAS	MEGARDA	CHAK DEEPAWAS	KUSHALPURA	NIMBERA KALAN	MAKARWALI	RAILMANGRA	RAIPUR
ILLITERATES MALE	156	196	438	262	170	461	322	38	2341	888	79	50	3131
ILLITERATES FEMALE	233	293	655	391	255	691	481	56	3510	1330	117	74	4695
PRIMARY MALE	77	53	105	80	35	174	144	25	1492	691	75	71	2396
PRIMARY FEMALE	47	31	63	48	21	106	87	15	914	422	45	42	1467
UPER PRIMERY MALE	69	47	93	71	32	155	128	23	1329	615	67	63	2133
UPER PRIMERY FEMALE	30	20	41	31	13	69	57	9	596	275	29	28	957
HIGHER SEC. MALE	21	14	28	22	10	46	39	7	396	183	20	19	634
HIGHER SEC. FEMALE	4	3	6	4	2	10	8	1	86	40	4	4	139

(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

AS PER BASE LINE SURVEY

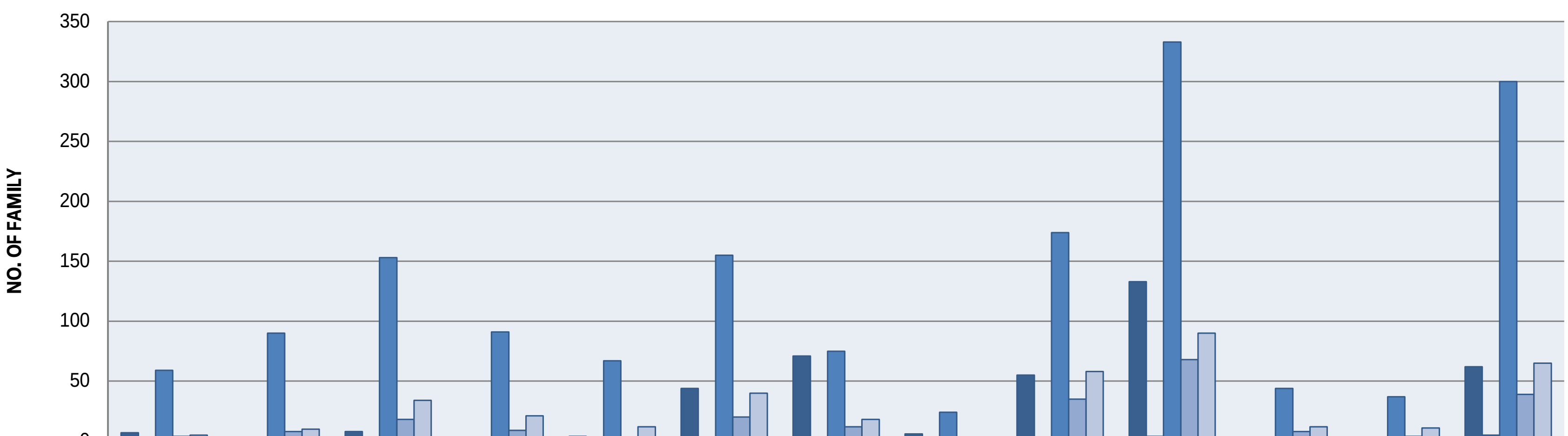
S. No	Block Name	Panchayat Name	Village Name	Cow Desi	Cow Hybrid	Ox	buffalo	Bull	Sheep	Goat Female	Goat Male	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	71	24	20	90	15	235	95	115	**665**
2	PALI	JHALA KI CHOKI	FATA KHERA	102	34	29	130	21	340	138	166	**960**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	203	68	57	257	41	675	273	330	**1904**
4	PALI	JHALA KI CHOKI	MALNI	115	39	33	146	23	383	155	187	**1081**
5	PALI	DEEPAWAS	BALOOPURA	79	27	23	100	16	263	107	129	**744**
6	PALI	DEEPAWAS	DEEPAWAS	248	83	70	314	50	825	334	403	**2327**
7	PALI	DEEPAWAS	MEGARDA	168	56	47	212	34	558	226	273	**1574**
8	PALI	KANUJA	CHAK DEEPAWAS	28	10	8	36	6	93	38	46	**265**
9	PALI	KUSHALPURA	KUSHALPURA	206	103	87	392	62	824	417	503	**2594**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	602	201	169	762	121	1604	811	979	**5249**
11	PALI	BAR	MAKARWALI	60	20	17	76	12	160	81	98	**524**
12	PALI	BAR	RAILMANGRA	49	17	14	62	10	130	66	80	**428**
13	PALI	RAIPUR	RAIPUR	301	151	127	572	91	903	609	735	**3489**
		TOTAL		2232	833	701	3149	502	6993	3350	4044	21804



(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
i'k/ku oky ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	7	0	59	4	5	**75**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	90	8	10	**108**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	8	0	153	18	34	**213**
4	PALI	JHALA KI CHOKI	MALNI	0	0	91	9	21	**121**
5	PALI	DEEPAWAS	BALOOPURA	4	0	67	0	12	**83**
6	PALI	DEEPAWAS	DEEPAWAS	44	0	155	20	40	**259**
7	PALI	DEEPAWAS	MEGARDA	71	0	75	12	18	**176**
8	PALI	KANUJA	CHAK DEEPAWAS	6	0	24	0	0	**30**
9	PALI	KUSHALPURA	KUSHALPURA	55	2	174	35	58	**324**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	133	4	333	68	90	**628**
11	PALI	BAR	MAKARWALI	0	0	44	8	12	**64**
12	PALI	BAR	RAILMANGRA	0	0	37	4	11	**52**
13	PALI	RAIPUR	RAIPUR	62	5	300	39	65	**471**
TOTAL				390	11	1602	225	376	2604

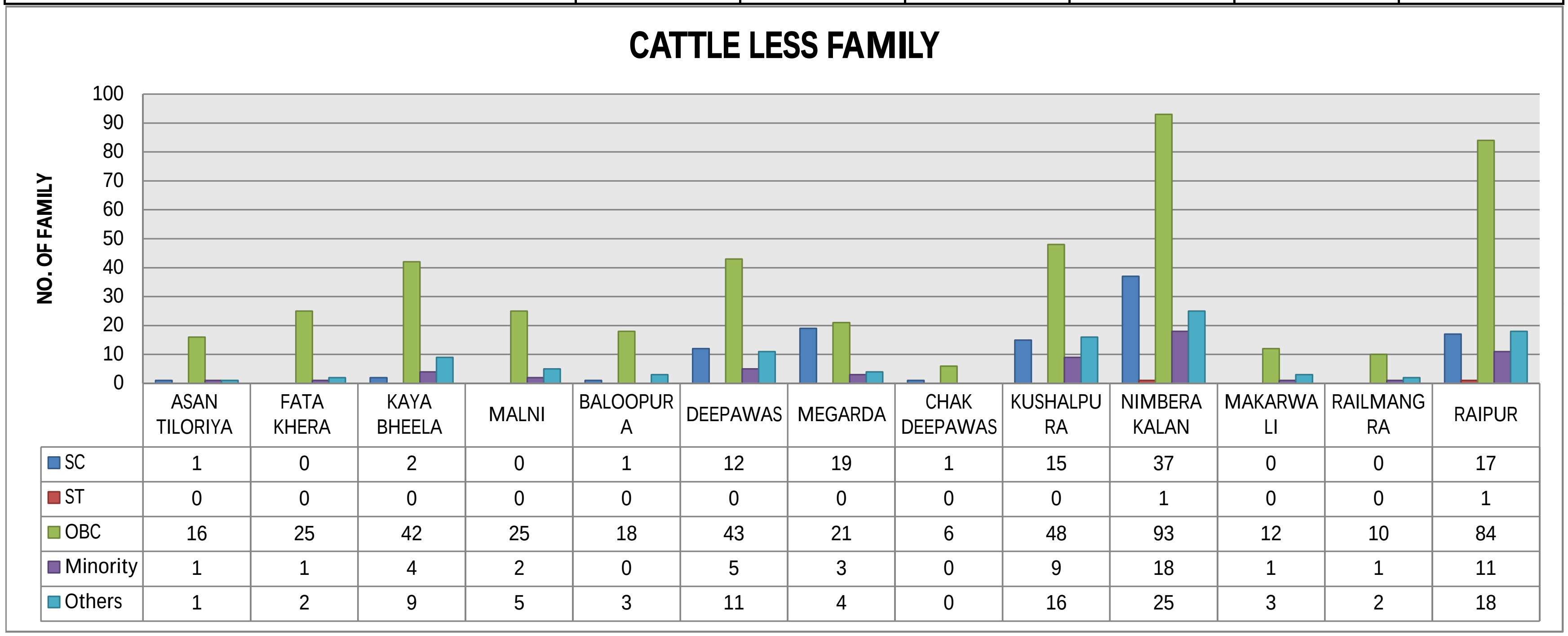
CATTLE HOLDING FAMILY



	ASAN TILORIYA	FATA KHERA	KAYA BHEELA	MALNI	BALOOPURA	DEEPAWAS	MEGARDA	CHAK DEEPAWAS	KUSHALPURA	NIMBERA KALAN	MAKARWALI	RAILMANGRA	RAIPUR
SC	7	0	8	0	4	44	71	6	55	133	0	0	62
ST	0	0	0	0	0	0	0	0	2	4	0	0	5
OBC	59	90	153	91	67	155	75	24	174	333	44	37	300
Minority	4	8	18	9	0	20	12	0	35	68	8	4	39
Others	5	10	34	21	12	40	18	0	58	90	12	11	65

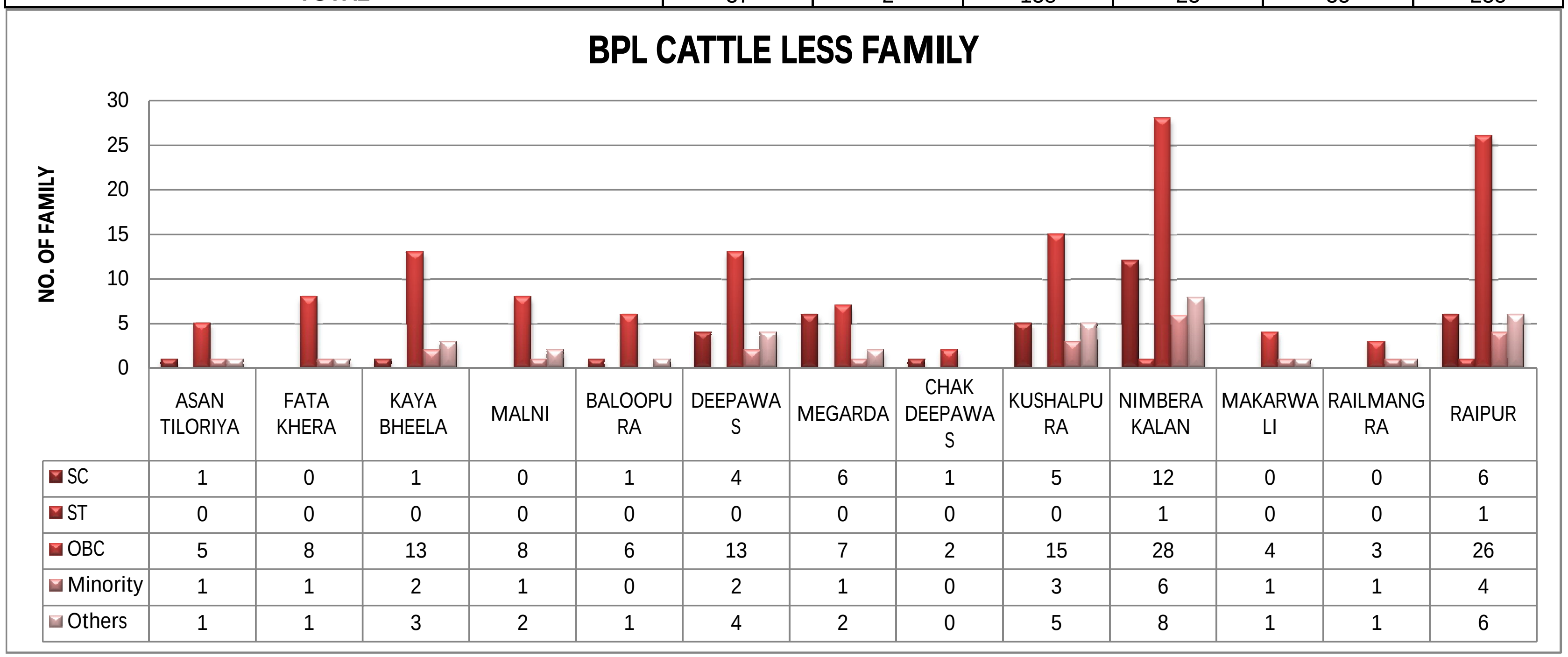
(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
i'kqghu ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	1	0	16	1	1	**19**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	25	1	2	**28**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	2	0	42	4	9	**57**
4	PALI	JHALA KI CHOKI	MALNI	0	0	25	2	5	**32**
5	PALI	DEEPAWAS	BALOOPURA	1	0	18	0	3	**22**
6	PALI	DEEPAWAS	DEEPAWAS	12	0	43	5	11	**71**
7	PALI	DEEPAWAS	MEGARDA	19	0	21	3	4	**47**
8	PALI	KANUJA	CHAK DEEPAWAS	1	0	6	0	0	**7**
9	PALI	KUSHALPURA	KUSHALPURA	15	0	48	9	16	**88**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	37	1	93	18	25	**174**
11	PALI	BAR	MAKARWALI	0	0	12	1	3	**16**
12	PALI	BAR	RAILMANGRA	0	0	10	1	2	**13**
13	PALI	RAIPUR	RAIPUR	17	1	84	11	18	**131**
TOTAL				105	2	443	56	99	705



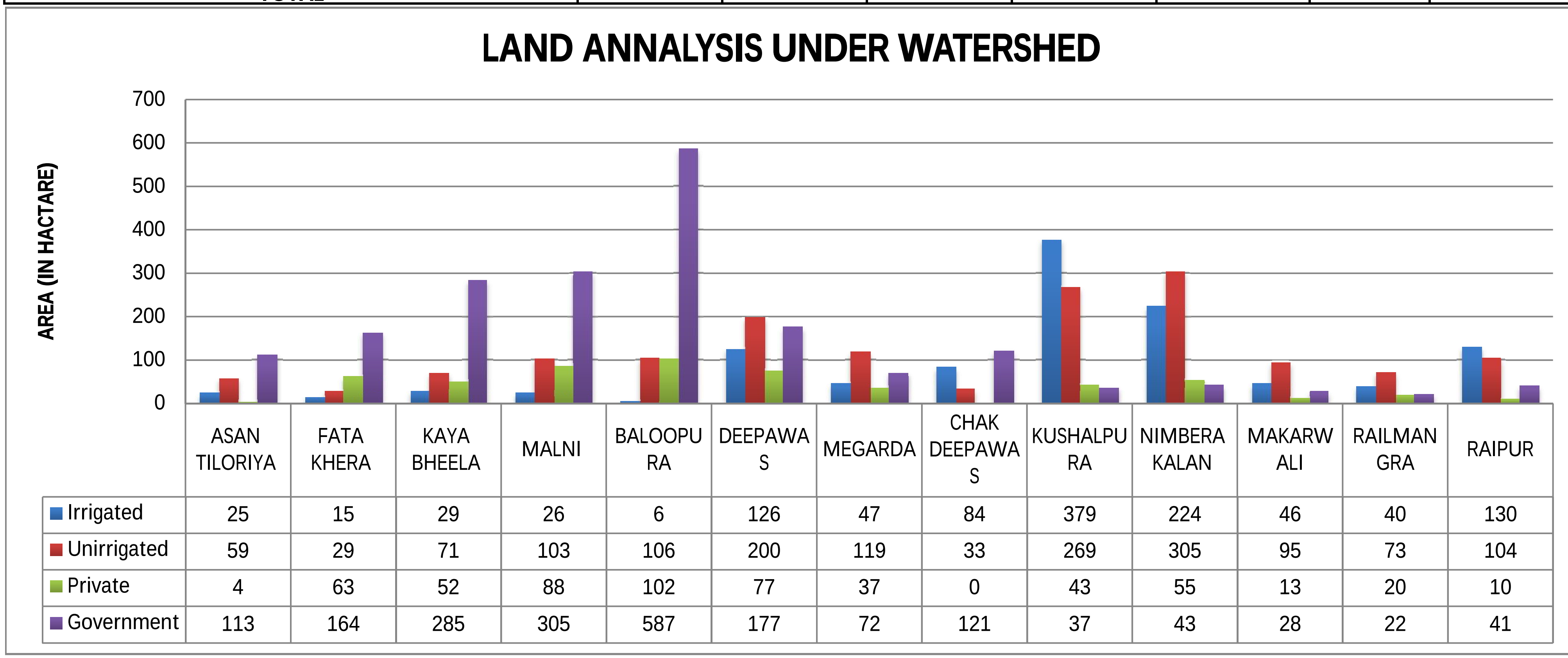
(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
AS PER BASE LINE SURVEY
i'kqghu BPL ifjokj

S. No	Block Name	Panchayat Name	Village Name	SC	ST	OBC	Minority	Others	Total
1	PALI	JHALA KI CHOKI	ASAN TILORIYA	1	0	5	1	1	**8**
2	PALI	JHALA KI CHOKI	FATA KHERA	0	0	8	1	1	**10**
3	PALI	JHALA KI CHOKI	KAYA BHEELA	1	0	13	2	3	**19**
4	PALI	JHALA KI CHOKI	MALNI	0	0	8	1	2	**11**
5	PALI	DEEPAWAS	BALOOPURA	1	0	6	0	1	**8**
6	PALI	DEEPAWAS	DEEPAWAS	4	0	13	2	4	**23**
7	PALI	DEEPAWAS	MEGARDA	6	0	7	1	2	**16**
8	PALI	KANUJA	CHAK DEEPAWAS	1	0	2	0	0	**3**
9	PALI	KUSHALPURA	KUSHALPURA	5	0	15	3	5	**28**
10	PALI	NIMBERA KALAN	NIMBERA KALAN	12	1	28	6	8	**55**
11	PALI	BAR	MAKARWALI	0	0	4	1	1	**6**
12	PALI	BAR	RAILMANGRA	0	0	3	1	1	**5**
13	PALI	RAIPUR	RAIPUR	6	1	26	4	6	**43**
TOTAL				37	2	138	23	35	235



(IWMP - XVI) W/S 12/21,23,26,27,28,29,30,31,32,33,34,35,36,38,40,41
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
tyxg.k {k= e vku oky xko dh Hkfe fooj.k

d- l-	xke ipk;r	Village Name	Irrigated	Unirrigated	vdf"k Hkfe		mipkj d fy, miyC/k	;kx	mipkj d fy, miyC/k ugh
					Private	Government			
1	JHALA KI CHOKI	ASAN TILORIYA	25	59	4	113	201	201	0
2	JHALA KI CHOKI	FATA KHERA	15	29	63	164	271	271	0
3	JHALA KI CHOKI	KAYA BHEELA	29	71	52	285	437	1336	899
4	JHALA KI CHOKI	MALNI	26	103	88	305	522	591	69
5	DEEPAWAS	BALOOPURA	6	106	102	587	801	1327	526
6	DEEPAWAS	DEEPAWAS	126	200	77	177	580	580	0
7	DEEPAWAS	MEGARDA	47	119	37	72	275	275	0
8	KANUJA	CHAK DEEPAWAS	84	33	0	121	238	238	0
9	KUSHALPURA	KUSHALPURA	379	269	43	37	728	2420	1692
10	NIMBERA KALAN	NIMBERA KALAN	224	305	55	43	627	1951	1324
11	BAR	MAKARWALI	46	95	13	28	182	182	0
12	BAR	RAILMANGRA	40	73	20	22	155	250	95
13	RAIPUR	RAIPUR	130	104	10	41	285	4728	4443
TOTAL			**1177**	**1566**	**564**	**1995**	**5302**	**14350**	**9048**



Basic Information formats for DPR

Identification

S.No.	Name of Project	-	RAIPUR - II (IWMP-XVI)
(a)	Name of Catchment	-	Looni River Basin
(b)	Name of watershed area	-	RAIPUR - II (IWMP-XVI)
(c)	Project Area	-	5302 Ha.
(d)	Cost of Project	-	795.30 Lacs
(e)	cost/hectare	-	15000/- per ha
(f)	Year of Sanction	-	2010-2011
(g)	Watershed Code	-	12/21,23,26,27,28,29,30,31,32,33, 34,34,36,38,40,41
(h)	No. of Gram Panchayatsin project area	-	JHALA KI CHOKI , DEEPAWAS , KANUJA , KUSHALPURA , NIMBERA KALAN , BAR , RAIPUR
(i)	No. of villages in project area	-	13 No
(j)	Type of Project	-	Other
(k)	Elevation (metres)	-	140 m
(l)	Major streams	-	10 km length
(m)	Slope range (%)	-	1-4%

S. No.	Name of Gram Panchayat	Name of Villages Covered	Census code of villages	Total Area in (Ha)	Area in W/S (Ha)
1	JHALA KI CHOKI	ASAN TILORIYA	820000202403700	201	201
		FATA KHERA	820000202403800	271	271
		KAYA BHEELA	820000202404000	1336	437
		MALNI	820000202403300	591	522
2	DEEPAWAS	BALOOPURA	820000202403000	1327	801
		DEEPAWAS	820000202403200	580	580
		MEGARDA	820000202403900	275	275
3	KANUJA	CHAK DEEPAWAS	820000202403500	238	238
4	KUSHALPURA	KUSHALPURA	820000202400500	2420	728
5	NIMBERA KALAN	NIMBERA KALAN	820000202399800	1951	627
6	BAR	MAKARWALI	820000202403400	182	182
		RAILMANGRA		250	155
7	RAIPUR	RAIPUR	820000202401100	4728	285
TOTAL				**14350**	**5302**

Climatic and Hydrological information

Name of Agroclimatic Zone

1 **Average Annual Rainfall(mm)**

	Year	Average Annual Rainfall(mm)
1	2002	140.00
2	2003	346.00
3	2004	356.00
4	2005	482.00
5	2006	535.00
6	2007	512.00
7	2008	337.00
8	2009	441.00
9	2010	790.00
10	2011	736.00
	Av.	**467.50**

3	Temperatue (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	In-Year
	iv)Periodicity of Drought in village area	468.8	416.5	569
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%		2950 Ha	2.20
2	3 to 8%		1515 ha	2.20
3	8 to 25%		837 ha	2.20
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	3519	627.7
	b	Rill	1293	
	c	Gully	490	
	Sub-Total		**5302**	
	Wind erosion		0	NA
	Total for project		5302	

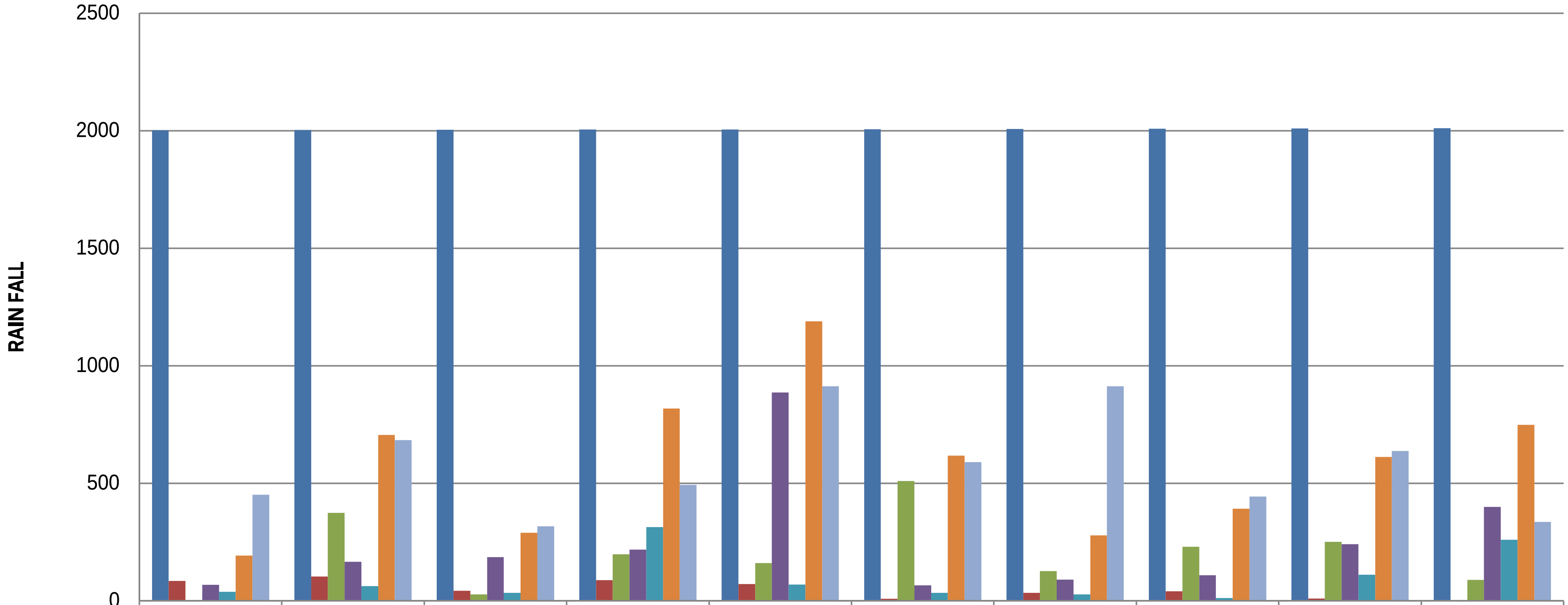
A. Soil Profile

S.No.	Major Soil Classes	Area in hectares
1	Fine Loam	490
2	Silt Loam	3519
3	Degraded	1293
	Total	**5302**

B. Soil Depth :

	Depth (Cms.)	Area in hectares
1	0.00 to 7.50	490Ha
2	7.50 to 45.00	11293 Ha
3	> 45.00	3519 HA
E	Soil fertility Status	Kg/ha
	N	127
	P	17.9
	K	182
	Micronutrients	PPM

RAIN FALL MONTHLY



	1	2	3	4	5	6	7	8	9	10
Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
June	84.80	103.00	43.00	87.80	72.00	9.20	34.20	40.60	10.00	0.00
July	1.00	374.00	27.00	198.20	161.00	509.60	127.10	230.00	251.20	89.40
August	68.20	166.00	186.00	218.00	887.00	65.70	89.80	108.80	240.80	399.40
September	38.20	63.00	34.00	314.30	69.40	33.80	27.40	12.20	110.70	260.20
Total	192.20	706.00	290.00	818.30	1189.40	618.30	278.50	391.60	612.70	749.00
Average	452.00	684.00	317.00	493.50	913.00	590.67	913.33	443.33	637.87	335.67

Social group wise Details of agriculture

S. No	Gram panchayat	Village	Gen. Household	Area	SC Household	Area	ST Household	Area	OBC Household	Area	Total of HH	Total Area
1	JHALA KI CHOKI	ASAN TILORIYA	4	5	5	6	0	0	57	73	66	84
		FATA KHERA	8	4	0	0	0	0	89	40	97	44
		KAYA BHEELA	31	16	7	4	0	0	158	81	196	100
		MALNI	18	21	0	0	0	0	92	108	110	129
2	DEEPAWAS	BALOOPURA	10	15	3	4	0	0	62	93	75	112
		DEEPAWAS	37	50	40	55	0	0	162	221	239	326
		MEGARDA	16	16	65	67	0	0	80	82	161	166
3	KANUJA	CHAK DEEPAWAS	0	0	5	23	0	0	21	95	26	117
4	KUSHALPURA	KUSHALPURA	54	117	51	110	1	2	194	419	300	648
5	NIMBERA KALAN	NIMBERA KALAN	83	75	124	113	3	3	372	338	582	529
6	BAR	MAKARWALI	10	25	0	0	0	0	46	116	56	141
		RAILMANGRA	9	22	0	0	0	0	37	91	46	113
7	RAIPUR	RAIPUR	60	32	57	31	4	2	316	169	437	234
Total			**340**	**399**	**357**	**412**	**8**	**7**	**1686**	**1925**	**2391**	**2743**

Social group wise Details of agriculture (UNIRRIGATED)

S. No	Gram panchayat	Village	Gen. Household	Area	SC Household	Area	ST Household	Area	OBC Household	Area	Total of HH	Total Area
1	JHALA KI CHOKI	ASAN TILORIYA	4	4	5	4	0	0	57	51	66	59
		FATA KHERA	8	2	0	0	0	0	89	27	97	29
		KAYA BHEELA	31	11	7	3	0	0	158	57	196	71
		MALNI	18	17	0	0	0	0	92	86	110	103
2	DEEPAWAS	BALOOPURA	10	14	3	4	0	0	62	88	75	106
		DEEPAWAS	37	31	40	33	0	0	162	136	239	200
		MEGARDA	16	12	65	48	0	0	80	59	161	119
3	KANUJA	CHAK DEEPAWAS	0	0	5	6	0	0	21	27	26	33
4	KUSHALPURA	KUSHALPURA	54	48	51	46	1	1	194	174	300	269
5	NIMBERA KALAN	NIMBERA KALAN	83	43	124	65	3	2	372	195	582	305
6	BAR	MAKARWALI	10	17	0	0	0	0	46	78	56	95
		RAILMANGRA	9	14	0	0	0	0	37	59	46	73
7	RAIPUR	RAIPUR	60	14	57	14	4	1	316	75	437	104
Total			**340**	**228**	**357**	**223**	**8**	**3**	**1686**	**1111**	**2391**	**1566**

Ownership wise of land use in Watershed

S. No	Land use	Total area in Ha.			
		Govt.	Pvt.	Community	Total
1	Agriculture land	0	2743	0	2743
2	Forest land	0	0	0	0
3	Waste land		564	0	564
4	Pastures	0	0	1995	1995
5	Others	0	0	0	0
	Total	0	3307	1995	5302

Availability of drinking water

S.No	Gram panchayat	Village	No. of months in a year	Source of drinking water	Quality
1	JHALA KI CHOKI	ASAN TILORIYA	3	Well, Hand Pump & Tube well	Saline Water
		FATA KHERA	2	Well, Hand Pump & Tube well	Saline Water
		KAYA BHEELA	5	Well, Hand Pump & Tube well	Saline Water
		MALNI	2	Well, Hand Pump & Tube well	Saline Water
2	DEEPAWAS	BALOOPURA	3	Well, Hand Pump & Tube well	Saline Water
		DEEPAWAS	8	Well, Hand Pump & Tube well	Saline Water
		MEGARDA	5	Well, Hand Pump & Tube well	Saline Water
3	KANUJA	CHAK DEEPAWAS	5	Well, Hand Pump & Tube well	Saline Water
4	KUSHALPURA	KUSHALPURA	6	Well, Hand Pump & Tube well	Saline Water
5	NIMBERA KALAN	NIMBERA KALAN	7	Well, Hand Pump & Tube well	Saline Water
6	BAR	MAKARWALI	4	Well, Hand Pump & Tube well	Saline Water
		RAILMANGRA	5	Well, Hand Pump & Tube well	Saline Water
7	RAIPUR	RAIPUR	20	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		0
A		2232	7812
B		833	4998
C	Ox	701	0
2	Buffaloes	3149	18894
3	Bull	502	0
4	Sheep	6993	0
5	Goat	3350	1675
6	Others	4044	0
	Total	**21804**	**33379**

1	Requirement of fodder (Quintals)	479954.92
2	Availability of fodder (Quintals)	89310.00
3	Deficiency of fodder (Quintals)	390644.92

Abstract of cropped Area (ha)

S.No	Gram panchayat	Village	Area under Single crop	Area under Double crop
1	JHALA KI CHOKI	ASAN TILORIYA	59	25
		FATA KHERA	29	15
		KAYA BHEELA	71	29
		MALNI	103	26
2	DEEPAWAS	BALOOPURA	106	6
		DEEPAWAS	200	126
		MEGARDA	119	47
3	KANUJA	CHAK DEEPAWAS	33	84
4	KUSHALPURA	KUSHALPURA	269	379
5	NIMBERA KALAN	NIMBERA KALAN	305	224
6	BAR	MAKARWALI	95	46
		RAILMANGRA	73	40
7	RAIPUR	RAIPUR	104	130
Total			**1566**	**1177**
		Net Sown Area = 2743 Ha.		

Socio-Economic Parameters

1 Household and Economic Activity

S.No.	Description of	Total No. hosehold	Population in No.	SC		ST		OTHERS		TOTAL	
			Total	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)	Cultivatours	2391	13127	357	1960	8	44	2026	11123	2391	13127
(ii)	Dairying	2604	14296	390	2142	11	61	2203	12093	2604	14296
(iii)	Landless Agri. Laboures	918	5040	138	758	5	28	775	4254	918	5040
(iv)	BPL	573	3146	151	829	6	33	416	2284	573	3146

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	10 No			
(ii)	No. of villages provided with electricity	13 No			
(iii)	No. of household without access to drinking water	0			
(iv)	No. of educational institutions:				
	Primary(p)/ Secondary (S)/ Higher Secondary(HS) Vocational institution(VI)	(P) 13 No	(S) 8No	(HS) 2	(VI)
(v)	No. of villages with access to Primary Health center	10 No			
(vi)	No. of villages with access to Veterinary Dispensary	8 No			
(vii)	No. of villages with access to Post Office	10 No			
(viii)	No. of villages with access to Banks	4			
(ix)	No. of villages with access to Markets / mandis	5			
(x)	No. of villages with access to Agro-industries	0			
(xi)	Total quantity of surpls millk				
(xii)	No. of millk collection centers	2			
	(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	3 No			
(xiv)	Any other facilities with no. of village (please specify	0			
(xv)	Nearest KVK	PALI			
(xvi)	Coperative society	2 No			
(xvii)	NGOS	0			
(xviii)	Credit institutions	0			
	(i)Bank	3 No			
(xix)	Agro Service center's	0			

EXPECTED OUT COMES

By thr end of project, in the area, it is expected that the water level in the wells increases considerably and sufficient water for man and productivity should be increased after the completion of the project. Few parameters which are expected to be increased after the completion as the project are as follow:

d- l-	ijkehVj	ifj;kstuk {ks= e ¼ifj;kstuk io½		ifj;kstuk vof/k mijkUr of) dk iLrkfor Lrj@vkdyu	
1	ty l lEcfU/kr ¼ehVj½				
(I.)	dvk e vklr ty Lrj	dvk dh xgjkbZ		dvk dh xgjkbZ	
(i.)	**RAIPUR IWMP-XVI**	12.20 M. (xgjkbZ)		11.00 M. (xgjkbZ)	
2	df"k l lEcfU/kr				
(i.)	tyxg.k e ck;k x;k dy {ks=Qy ¼gDV;j½	2610		2951	
(ii.)	tyxg.k {ks= e uV cvkbZ {ks= ¼gDV;j½	2951		3255	
(iii.)	tyxg.k {ks= e yh tku okyh fofHkUu Qly ¼itkfrokj½	ifj;kstuk io Qlyokj		ifj;kstuk vof/k mijkUr Qlyokj	
		tkr {ks= ¼gDV;j½	fDoVy ifr gDV;j mRiknu	tkr {ks= ¼gDV;j½	fDoVy ifr gDV;j mRiknu
	BAZRA	988	18.50	1250	30.00
	URAD	305	10.60	412	13.00
	MUNG	201	6.00	250	5.00
	TIL	144	6.50	215	8.00
	GWAR	85	15.40	150	18.00
	JWAR	145	4.30	240	8.50
	KAPAS	120	10.00	173	22.00
	WHEET	455	25.00	650	22.00
	CHANA	285	11.00	300	30.00
	SARNSO	305	10.00	375	12.00
(iv.)	to mojdk d mi;kx dh fLFkfr	oreku e		ifj;kstuk vof/k mijkUr	
		20%		60%	
(v.)	pkjk mRiknu ¼fdLeokj]fDoVy½	oreku e		ifj;kstuk vof/k mijkUr	
	BAZRA	39520		50000	
	WHEET	31850		45500	
	JWAR	10150		16800	
	CHANA	2280		2400	
	PASTURE LAND	5510		16502	
	TOTAL	**89310**		**131202**	

3	m/kkfudh l lEcfU/kr ¼itkfrokj½	ifj;ktuk io itkfrokj			ifj;ktuk vof/k mijkUr itkfrokj		
		l[;k	fDo-@iM	mRiknu ¼fDoVy½	l[;k	fDo-@iM	mRiknu ¼fDoVy½
(i.)	vke	65	2.00	130	3265	2.00	6530
(ii.)	uhc	140	0.50	70	3464	0.50	1732
(iii.)	vkoyk	450	0.50	225	3220	0.50	1610
(iv.)	lUrjk	82	0.75	62	82	1.00	82
(v.)	iihrk	85	0.30	26	85	0.30	26
(vi.)	djknk	55	0.30	17	55	0.30	17
(vii.)	ve:n	65	0.30	20	65	0.30	20
(viii.)	cj	85	0.50	43	4085	0.50	2043
(ix.)	tkeu	10	3.00	30	10	3.00	30
(x.)	vukj	50	0.30	15	50	0.30	15
4	df"k okfudh ¼itkfrokj½	ifj;ktuk io itkfrokj			ifj;ktuk vof/k mijkUr itkfrokj		
		dy l[;k	ik/k ifr gDV;j		dy l[;k	ik/k ifr gDV;j	
	df"k ;kX; Hkfe ¼itkfrokj½	13765	5		28500	11	
	pkjkxkg Hkfe ¼itkfrokj½	27984	12		65530	36	
	ou Hkfe ¼itkfrokj½						
	flok; pd ¼itkfrokj½						
	dy						
4	i'kikyu l lEcfU/kr	oreku e			ifj;ktuk vof/k mijkUr		
(i.)	ldj itkfr d i'kvk dh l[;k ¼itkfrokj½ xk;						
(ii.)	vkIr nX/k mRiknu ifr i'k ¼itkfrokj½ fd-xk- e	3.20 KG			7.50 KG		
(iii.)	i'kvk e ikb tku okyh chekfj;k d uke ¼l[;k e deh½	xy?kkV o [kjid]egid			NIL		
6	lkekftd & vkfFkd	oreku e			ifj;ktuk vof/k mijkUr		
(I.)	ifr ifjokj vkIr vkenuh	20000			55000		
(II.)	Lo; lgk;rk leg						
(i.)	dy Lo; lgk;rk leg dh l[;k						
(ii.)	dy lnL;k dh l[;k						
(iii.)	dy cpr jkf'k						
(iv.)	t-x- ifj;ktuk l lgk;rk ¼jkf'k½				Lac.		
(v.)	cd fydt ¼jkf'k½				Lac.		

During the project period (5-7 years), the various activities will be done. The natural resource management activities will be done in between the project phase. The proposed NRM works in arable, non arable land and drainage line treatment will increase the water table, production of agriculture/horticulture crops. similarlary the livestock will increase the milk production. the year wise various outcomes of the project are as follows:

WATER BUDGET

WATERSHED IWMP - XVI

P.S. RAIPUR, DISTT. PALI (RAJ.)

467.50 mm. AV. RAIN FALL

1	TOTAL AREA	6472	HAC.			CUM.
2	CULTIVATED LAND (Bad Catchment)	2743	2743	0.0311	10000	853793
3	PASTURE LAND (Average Catchment)	3083	3083	0.0467	10000	1439405
4	FOREST (Good Catchment)	646	646	0.0623	10000	402143
						2695341
5	RUN OFF IN EXT. STUCTURE	NADI+TALAB+ANICUT			(-)	154500
	1. KHADIN	18	1500		(-)	27000
	2. STRUCTURE (WHS, Tanka, Nadi)				(-)	45000
					TOTAL RUN OFF TRAPPED	226500
					% OF RUN OFF TRAPPED	8.40

STRANGE'S - TABLE

Total Monsoon rainfall in mm	Good Catchment Area % of runoff to rainfall	Good 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	9.940	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

¼1½lk'k ikydk dk mlkHkkDrkvk dk leg xke cyijk nhikokl

d l-	v/;{k@lnL;k dk uke
1	Jh geflg@dj flg
2	Jh irki flg @c)k flg
3	Jh ckc flg@Hkktk flg
4	Jh ekrh flg @vej flg
5	Jh ie flg @xxk flg
6	Jh x.k'k flg @pUnu flg
7	Jh Hkj flg @pUnu flg
8	Jh ekgu flg@tkye flg
9	Jh uu flg@Hkktk flg
10	Jh iue flg @Hkktk flg
11	Jh xkiky flg @fo|k flg
12	Jh ikp flg @exy flg
13	Jh fdlu flg@exy flg
14	Jh ili flg @vke flg
15	Jh xke flg @Hkhe flg
16	Jh lkor flg @uhe flg
17	Jh rt flg @ukgj flg
18	Jh gDe flg @gtkjh flg
19	Jh irki flg @eku flg
20	Jh yEc flg @ghjk flg
21	Jh ekgu flg @ghjk flg
22	Jh nhi flg @ghjk flg
23	Jh nky flg@c/k flg
24	ine flg@c/k flg
25	Jh Hkoj flg@ekuflg
26	Jh c/k flg@c/k flg
27	Jh gjh flg @d'kj flg
28	Jh fd'kkj flg@|e flg

¼2½df"k leg

d l-	v/;{k@lnL;k d uke
1	Jh xkiky flg @ekgu flg
2	Jh Kku flg @Hkktk flg
3	Jh ?khl flg @mn; flg
4	Jh jkt flg @ghjk flg
5	Jh o)h flg@euk flg
6	Jh jke flg@Hk: flg
7	Jh ckc flg @[kh;k flj flg
8	Jh ek/kk flg @dky flg
9	Jh edu flg@[khe flg
10	Jh jkt flg@dky flg
11	Jh feB flg @vej flg
12	Jh feB flg @gtkjh flg
13	Jh xkiky flg @ukFk flg
14	Jherh teuh @xkfoUn flg
15	Jherh y{eh @ie flg
16	Jherh gkeflg@bUn flg
17	Jherh lkgu flg@bUn flg
18	Jherh ehB flg @ukFk flg
19	Jherh c)k flg @rt flg
20	Jherh noh flg @gehj flg
21	Jh ekgu flg @xkth flg
22	Jh y{e.k flg@exy flg
23	Jh prj flg@xxk flg
24	Jherh ehjk @tB flg
25	Jherh iue flg @:Ik flg
26	Jh f'kok flg @ exy flg
27	Jh ey flg @Qrg flg
28	Jh Hkj flg@nn flg
29	Jh ekgy flg @dky flg
30	Jh pUn flg@di flg
31	Jh cxrk flg@xkth flg
32	Jh Bxy flg@dj flg
33	Jh c)k flg @vej flg
34	Jh ili noh @cknj flg
35	Jh ekuh noh @pkFk flg
36	Jherh gtk @Hkktk flg

¼3½nX/k mRiknu leg

d l-	v/;{k@lnL;k d uke
1	Jherh lUrk"k noh @ Hkoj flg
2	Jherh teuk noh @noh flg
3	Jherh i"ik noh @irki flg
4	Jherh iiMh noh @cknke fl g
5	Jh Hkoj flg @ie flg
6	Jherh :dek @ Hkjflg
7	Jherh pEiknoh @pUn flg
8	Jherh ddnoh @edu flg
9	Jherh l'khyk noh @ekgu flg
10	Jherh fdLr @[ke fl g
11	Jherh ykyh noh @:Ik flg
12	Jherh lhrk noh @ekgu flg
13	Jh Qrg flg@Hkoj flg
14	Jh lhrk @ekgu flg
15	Jherh xhrk noh @ckc flg
16	Jherh j[kk noh @iue flg

¼4½vdf"k leg

d l-	v/;{k@lnL;k d uke
1	Jh jkt flg @ine flg
2	Jh pkFk flg @ine flg
3	Jh pkFk flg @dlj flg
4	Jh [ke flg @ /kUu flg
5	Jh Hkj flg @/kUu flg
6	tB flg @dey flg
7	Jh Hkoj flg @dku flg
8	Jh Hkxoku flg @ noh flg
9	Jh jkt flg @xkiky flg
10	i.k flg @ jkt flg
11	ge flg @tr flg
12	Jh ili flg @ iue flg
13	Jh /ke flg @bUn flg
14	Jh fdlu flg @gke flg

¼5½pkjkxkg fodkl leg dh lph xke nhikokl

dl-	v/;{k@lnL;k dk uke
1	Jh exy flg @rt flg
2	Jh xykc flg @cxrk flg
3	Jh egUn flg@noh flg
4	Jh ek/k flg @noh flg
5	Jh i.k flg@pUn flg
6	Jh dky flg @pUn flg
7	Jh noh flg @eD[ku flg
8	Jh cknj flg@eD[ku flg
9	Jh y{e.k flg @dky flg
10	Jh :iflg @[khe flg
11	Jh fd'ku flg@ehB flg
12	Jh dku flg@prj flg
13	Jh cuh flg @?khlk flg

¼6½0;kikj leg xke nhikokl

dl-	v/;{k@lnL;k dk uke
1	Jh lEir flg @geflg
2	Jh lUrk"k flg @geflg
3	Jh ili flg @ehB flg
4	Jh nky flg@?khlk flg
5	Jh Lru flg @jke flg
6	rylk flg @Nrj flg
7	Jh xkiky flg @ukjk;.k flg
8	egUn flg @noh flg

¼7½ckxokuh leg

dl-	v/;{k@lnL;k dk uke
1	Jh puh flg @egUn flg
2	Jherh xhrk @ek/k flg
3	Jherh :dek @pkFk flg
4	Jherh tr flg @Hkj flg
5	Jherh dyh noh @gke flg
6	Jherh xknkojh noh @dku flg
7	Jherh 'kkUrknoh @y{e.k flg

xke ipk;rokj] ljip lfpo dk fooj.k			
d- l-	xke ipk;r dk uke	ljip dk uke	lfpo@xke lod dk uke
1	nhikokl	Jhefr lkuh noh	Jh pUn flg

v&3 ,dhdr tyxg.k ic/ku ;ktuk & nhikokl xke ip;kr nhikokl ipk;r lfefr jk;ij ¼ikyh½

(i.) xke lHkk dh fnukd &24-1-2011

v&4 I. W. M. P. gr nhikokl ipk;r dh tyxg.k mi lfefr dk fooj.k			
d- l-	lnL; dk uke	in	ekckby u
1	Jh fe{k flg @gtkjh flg	v/;{k	9001614957
2	Jh pUn flg @o.k flg	lfpo	9784959978
3	Jh jkt flg @ghjk flg	lnL;	9929656510
4	Jh y{e.k flg @exk flg	lnL;	
5	Jh geflg @dj flg	lnL;	9950605722
6	Jh exy flg @ie flg	lnL;	9950321502
7	Jh Hkj flg @uoy flg]dkyh prjh	lnL;	8107459737
8	Jh ili flg @:Ik flg	lnL;	9005605773
9	Jh Vhyk flg @lkUu flg	lnL;	
10	Jherh ddnoh @c/k flg	lnL;	
11	Jh ekrh flg @uheflg]yokpk	lnL;	9784639377
12	Jh i[k yky @tk/k flg	lnL;	9413077784
13	Jh yky flg @Hk: flg	lnL;	
14	Jh /kUukjke @[kekjke e?koky	lnL;	
15	Jh Hk: fxjh @Jh rypk fxjh	lnL;	992921121
16	Jherh deyk@xkekjke e?koky	lnL;	
17	Jh l[kno flg @mn; flg	lnL;	9414464159
18	Jh pEikyky @ukjk;.k yky	lnL;	9571538289
19	Jh Jo.k flg @Vhy flg	lnL;	9413077784
20	Jh i"Ik flg @ekrh flg	lnL;	9166030910

¼1½lk'k ikydk dk mlkHkkDrkvk dk leg xke nhikokl

d l-	v/;{k@lnL;k d uke
1	Jh yky flg @[khe flg
2	Jh enu flg @[khe flg
3	Jh x.k'k flg @x.k'kflg
4	Jh lgu fpg @prj flg
5	Jh Hkkktk flg @ny flg
6	Jh uu flg @gfj lfg
7	Jh gtkjh flg @ lYrku flg
8	Jh /kekjke @Fkkukjke nokIh
9	xk;dokM @Fkkukjke
10	Jh vejke @ yky jke
11	Jh exy flg @ Jh iUu flg
12	Jh /kUuk fxjh @tkj fxjh
13	Jh f'koflg @Jh /ky flg
14	Jh ekuflg @Jh jk;flg
15	Jh dkuflg @Jh Lru flg
16	Jh iue flg @Jh gfj flg
17	Jh txnh'k @ vtu yky
18	Jh xkiejke @exykjke
19	Jh 'kdjyky @Hkjkjke
20	Jh noh flg @ Jh ukFflg

¼2½df"k mRiknu leg

d l-	v/;{k@lnL;k d uke
1	Jh [kheh noh @<xy flg
2	Jh vej flg @xxkflg
3	Jh ukFk flg @xxk flg
4	Jh xYYkkc flg @Jh xxk flg
5	Jh ge flg @Jh xxk flg
6	Jh ieflg @Jh xxk flg
7	Jh ekgu flg @Jh jkt flg
8	Jh y{e.k flg @Jh tB flg
9	Jh ekgu flg @Nh nYy flg
10	Jh l[k flg @Jh iUuk flg
11	Jherh deyk @PkEikyky

12	Jh gfj flg @Jh iUu flg
13	Jh fiMjke @trkjke
14	Jh ekx fxjh @tkj fxjh
15	Jh idk'k fxjh @ vej fxjh
16	Jh ekfrflg @uoy flg
17	Jherh Mkyh @ghjkjke
18	Jherh yhyk @lEHkr fxjh
19	Jherh y{eh @Jh txnh'k fxjh
20	Jherh ehjk @exkjke
21	Jh txnh'k ilkn @chtjkt
22	Jh jke'oj fxjh @ckc fxjh
23	Jherh bUnknoh lu
24	Jh Mko flg @Jh igkM flg
25	Jherh lhrk@prjflg
26	Jh Qyh noh @y{e.k flg

¼3½nX/k mRiknu leg

d l-	v/;{k@lnL;k d uke
1	Jherh luknoh @txnh'k flg
2	Jherh lhrk noh @uu flg
3	Jherh ehjknoh @ekgu flg
4	Jherh lxuk @vej flg
5	Jherh xV @xykc flg
6	Jh pEikjke @feJhyky
7	Jherh y{eh @ egUn flg
8	Jh ilifxjh @jkefxjh
9	Jh rtflg @ txflg
10	Jh dje flg @yEc flg
11	Jherh Mkyh noh @d'k flg
12	Jherh Jo.k flg @noh flg]
13	Jherh ukjk;.k fxjh @ukj fxjh
14	Jherh dk;yh @uku flg
15	Jh idk'k @?kh lkjke
16	Jh iHkjke @?kh lkjke

17	Jh l[kkjke @?kh lk yky
18	Jh egUn flg @iUu flg
19	Jh noh flg @iUu flg
20	Jherh t'kknk @mn; flg
22	Jh rtk flg @fd'ku flg
23	Jh jkMflg @Jh thou flg
24	Jh xktyflg@d'kj flg
25	Jherh 'kkrk @i[k flg
26	Jherh ehjk @ekgCcr flg
27	Jherh lxu @vej flg
28	Jh xV flg @xykc flg
29	Jherh rylh @geflg
30	Jherh lfork @Hkekflg
31	Jherh ikFkh @ukFkflg

¼4½vdf"k leg

d l-	v/;{k@lnL;k d uke
1	Jh lEir yky@ih:jke
2	Jh ekgu flg @xkefB flg
3	Jh <xy flg @xke flg
4	Jh uu flg @gtkjh flg
5	Jh pru flg @jkt flg
6	Jh exy flg @ekuflg
7	Jh iHkjke @fVdjke
8	Jh rtkjke @fd'ukjke e?koky
9	Jh fgjkjke @e?kkjkt
10	Jh lEir fxjh @ekx fxjh
11	Jh txnh'k fxjh @ekx fxjh
12	Jh pUuhykу @ekykjke
13	Jh fd'kkj @exkjkt
14	Jh exkjke @/kUukjkt
15	Jh ekrhjke@yky jke
16	Jh Hkoj yky @ry)jke
17	Jh vkeidk'k @exkjkt
18	Jh [khekjkt @Hkxkjke
19	Jh ckyjke @iekjke
20	Jh Hkhekjke @?kh lkjke
21	Jh Hkjkfxjh @jkekfxjh

¼5½pkjkxkg fodkl leg dh lph xke nhikokl

d l-	v/;{k@lnL;k d uke
1	Jh ikp flg @noh flg
2	Jherh luhrk @lEir yky
3	Jh ililjke @dkyjke lu
4	Jh rtflg @iUuflg
5	Jh ukjk;.k flg @iUu flg
6	Jh ckc flg @jkeflg
7	Jherh dpu noh @nxkjke
8	Jh uu flg @gfj flg
9	Jh ekrh jke @yky jke
10	Jh Hkoj flg @jkeflg
11	Jh d'kj flg @noh flg
12	Jh Qyhnoh @y{e.k flg
13	Jh jktflg @geflg
14	Jh gfjflg @iUuflg
15	Jh xxkfxjh @jkefxjh
16	Jh Hkhefxjh @jkefxjh
17	Jh uu fxjh @tkj fxjh
18	Jh gke fxjh @lYrku fxjh
19	Jh txnh'k fxjh @ekx fxjh
20	Jh pUuhyky @ekykjke
21	Jh ekrhjke @yky jke

¼6½0;kikj leg xke nhikokl

d l-	v/;{k@lnL;k d uke
1	Jh jkePkUn @feJh yky
2	Jh idk'k fxjh @?khl fxjh
3	Jh xkth flg @jktflg
4	Jh egUn flg @jruflg
5	Jh Mxj flg @jru flg
6	Jh dkufxjh @Jh Qyfxjh
7	Jh jruflg @vej flg
8	Jh <xyflg @[kxkj flg
9	Jh Hkxoku yky @ukjk;.k yky
10	Jh egUn flg@veflg

¼7½ckxokuh leg

d l-	v/;{k@lnL;k d uke
1	Jherh ukFkh @enu yky
2	Jherh /kug flg @Hkktk flg
3	Jherh idk'k @?khlkjke
4	Jh mxefxjh @ckc fxjh
5	Jh vt; flg @Hkku flg
6	Jh irki @xxkjke
7	Jh fot;flg@Hkkuflg

xke ipk;rokj] ljip lfpo dk fooj.k

d l-	xke ipk;r dk uke	ljip dk uke	lfpo@xke lod dk uke
1	dk.ktk	Jh ili noh	Jh y{e.k flg

v&3 ,dhdr tyxg.k ic/ku ;ktuk & xke pd fnikokl xke i- dk.ktk ipk;r lfefr jk;ij ¼ikyh½

(i.) xke lHkk dh fnukd &

v&4 I. W. M. P. gr dk.ktk ipk;r dh tyxg.k milfefr dk fooj.k

d l-	lnL; dk uke	in	Ekkckby u-
1	Jh uuflg @ekBflg	v/;{k	9950389510
2	Jh y{e.kflg @eYykflg	lfpo	
3	Jh ekrhflg@mn;flg	lnL;	
4	Jh nxkjke @ thokjke	lnL;	8890246422
5	Jh Hkoj yky @Hkh[kkjke	lnL;	
6	Jh fd'kuflg @Vkyflg	lnL;	9001103065
7	Jh ghjkflg @ bUnflg	lnL;	
8	Jh ?kyflg @ ekyflg	lnL;	
9	Jh ukjflg @ deflg	lnL;	
10	Jh tk?kkjke@ vejkjke	lnL;	968036490
11	Jh jkeflg @ Hkktkflg	lnL;	
12	Jherh pUnk@ iueflg	lnL;	
13	Jherh eUuh noh @ pUUkhyky	lnL;	9680315178
14	Jherh 'kkfr noh @ cUukflg	lnL;	
15	Jherh uhr noh @pUkflg	lnL;	
16	Jherh deyk @ Hkojflg	lnL;	

¼1½lk'k ikyu miHkkDrk leg e lnL;k dh lph

d l-	v/;{k@lnL;k d uke
1	Jherh rylh @thokjke
2	Jh jxnoh @/kUukflg
3	Jherh y{eh noh @ekfr flg
4	Jherh ldnoh @ukjflg
5	Jherh Vkyh noh @ eYykflg
6	Jh feBflg @gtkjhflg
7	Jherh deyk @ eykjke
8	Jh fxj/kkjh flg @ ekjflg
9	Jherh lkuh noh @jkeflg
10	Jherh nk[k noh @jktflg
11	Jherh ikuh noh @ y{e.k flg
12	Jherh ljek noh @ iueflg
13	Jherh lEeknoh @mn;flg
14	Jherh 'kkUrknoh @tk/kkjke
15	Jherh Hkojh noh@[krku flg
16	Jherh lkguh noh @uUUkflg

¼2½df"k mRiknu leg lnL;k dh lph

d l-	v/;{k@lnL;k d uke
1	Jh ghjkflg @bUn flg
2	Jh Hkojyky@ Hkhdkjke
3	Jh fdluflg @ Vhy flg
4	Jh /kUukflg @ Hkknflg
5	Jherh pUnk @iueflg
6	Jh Hkoj flg @ yk[k flg
7	Jh ekrhflg @ mn; flg
8	Jh /ky flg @ ekyflg
9	Jh eykjke @Vhdkjke
10	ukjflg @ dje flg
11	Jh ckc flg @ dje flg
12	Jh gtkjh flg @ lnkflg
13	Jh Hkoj flg @ ?khl flg
14	Jh x.k'k flg @ ?khlk flg
15	Jh eYyk flg @ Hkjk flg
16	Jherh :ih noh @ ekj flg
17	Jherh foje flg @ Hkkt flg
18	Jh enu flg @ ekj flg
19	Jh thokjke @gdekjke
20	Jh jkeflg @ Hkktk flg

¼3½vdf"k leg

d l-	v/;{k@lnL;k d uke
1	Jh y{e.k flg @eYyk flg
2	Jh geflg @eYyk flg
3	Jh nxkjke @ thokjke
4	Jh c/kjke @ lEir yky
5	Jh fdlu flg @ ghjk flg
6	Jh ykn flg @ ghjk flg
7	Jh Qrg flg @ /kyflg
8	Jh ukFkflg @ Jh Hkoj flg
9	Jh ieflg @ ghjk flg
10	Jh egUn flg @ iue flg
11	Jh l[kno flg @ Jh gtkjh flg
12	Jh 'kdj flg @ gtkjh flg
13	Jh dyk'k flg @ Hkoj fl
14	Jh lkgu yky @ jkeflg
15	Jh pru flg @ jke flg

¼4½M;jh fodkl nX/k mRikknu fodkl leg d lnL; x.k

d l-	v/;{k@lnL;k d uke
1	Jherh bUnk noh @ ekxh yky
2	Jherh y{eh noh @ /ky flg
3	Jherh cnkeh @ ghjk flg
4	Jherh 'kkUrk noh @ lEir flg
5	Jherh y{eh noh @ /ky flg
6	Jherh deyk noh @ Hkoj flg
7	Jherh vfurk noh @ Hkoj yky
8	Jh erh jke noh @ fd'ku flg
9	Jherh i"ik noh @ fxj/kkjh flg
10	Jherh dkyh noh@ geflg
11	Jherh dpu noh @ xkiky flg
12	Jherh gtk noh @Hkoj flg
13	Jherh yhyk noh @ fd'ku flg
14	Jherh uuk noh @ fgEer flg
15	Jherh Hk.Mh noh @nxk jke
16	Jherh eu noh @ lkgu flg

¼5½pkjkxkg fodkl leg

d l-	v/;{k@lnL;k d uke
1	Jh uu flg @ ekVk flg
2	Jh jkt flg @ ekV flg
3	Jh lkgu flg @ eYyk flg
4	Jh uRuk flg @ ykn flg
5	Jh jke flg @ ekV flg
6	Jh thojke @ gdekjke
7	Jh fdlu flg @ Vhy flg
8	Jh jkeiky @Hkhdkjke
9	Jh lrk"k @ gde flg
10	Jh pUnk @ iue flg
11	Jh ekrh flg @ mn; flg
12	Jh ghjk flg @ bUn flg
13	Jh lEir yky @ Hkhdek jke
14	Jh fgEer flg @ mn; flg
15	Jh erh eUuh noh @ pUuh yky
16	Jherh bUnk noh @ ekxh yky

¼7½ckxokuh leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh pUuhyky @ Hkhdkjke
2	Jh gdeflg @iUu flg
3	Jherh y{eh @ enu flg
4	Jherh lhrk @jkeiky
5	Jherh yyhrk @pru flg
6	Jherh yhyk @ iue flg
7	Jh y{e.k flg @ bUn flg
8	Jherh bUnk @ x.k'k flg
9	Jherh ykN @ cUu flg
10	Jh Qr flg @?kyflg
11	Jh tk/kkjke @ vejk jke ekyh
12	Jherh deyk @ l[k no flg
13	Jh l'khyk @'kdj flg

¼1½lk'k ikydk dk mlkHkkDrkvk dk leg xke yokpk

d l-	v/;{k@lnL;k dk uke
1	Jh i[k flg @jkt flg
2	Jh ikp flg @tk/k flg
3	Jh :iflg @eyflg
4	Jh rtflg @Qy flg
5	Jh ekB flg @dy flg
6	Jh uu flg @eku flg
7	Jh Hkoj flg @fuEc flg
8	Jh Hkhd flg @tB flg
9	Jh rtflg @noh flg
10	Jh y[ku flg@ dej flg
11	Jh ljnkj flg@dlj flg
12	Jh f'kojkt @dkyjke
13	Jh tkye flg @Hk: flg
14	Jh ckyflg @firk flg
15	Jh geflg @ey flg
16	Jh fuje flg @d'kj flg
17	Jh ukFkflg @bUn flg
18	Jh iue flg @iUu flg
19	Jh xhrk noh @lTtu flg
20	Jh tlknk noh @[khe flg
21	Jh pEikyky @Jh ekxh yky lFkkj
22	Jh eUu flg @Jh /kUu flg

¼2½df"k mRiknu leg

d l-	v/;{k@lnL;k dk uke
1	Jh ekgu flg @gde flg
2	Jh tkyeflg @tr flg
3	Jh pu flg @tky flg
4	Jh lTtu flg @Mx flg
5	gde flg @gEehj flg
6	Jh tB flg @/kHk flg
7	Jh Hkhde flg @tB flg
8	Jh iUu flg @bUn flg
9	Jh Qyflg @bUn flg
10	Jh e?k flg @[kxkj flg
11	Jh c/k flg @rt flg
12	Jh pu flg @xkiky flg

13	Jh i[k flg @tk/k flg
14	Jh exy flg @ie flg
15	Jh iue flg @eyk flg
16	Jherh d'kh flg @jkt flg
17	Jherh y{e.k flg @jkt flg
18	Jherh ekB flg @gEehj flg
19	Jh ekgu flg @?khlk flg
20	Jh f=ykd flg @/kUk flg
21	Jh y{e.k flg @<hy flg
22	Jh ltu flg @Nhrj flg
23	Jh mn; flg @tk/k flg
24	Jh jkeflg @tk/k flg
25	ckc flg @ghjk flg
26	Jh ehB flg @y{e.k flg
27	Jh noh flg @Jh dje flg
28	Jh ekxh yky @tokU jke lFkkj
29	Jh Hk: fxjh @Jh ryPkk ck fxjh
30	Jh euk yky @Jh lxke th e?koky
31	Jh /kUUkkjke @Jh l[kkjke th e?koky
32	Jh gdEkkjke th @Hkjk jke th e?koky
33	Jh cjnkjke @iUuk itkir
34	Jh vtu yky @ykc itkir
35	Jh pEikyky@ukjk;.k itkir

¼3½nX/k mRiknu leg

d l-	v/;{k@lnL;k d uke
1	Jh eeh noh @tr flg
2	Jh 'k"kkjke @xxkjke
3	Jherh /kUu noh @dky flg
4	Jherh rkjk noh @vtu Hkhy
5	Jherh y{eh @i[k flg
6	Jherh deyknoh @exy flg
7	Jherh lxuknoh Jo.k flg
8	Jherh dk;yh noh @:iflg
9	Jherh deyknoh @ukFk flg
10	Jherh nkjr@iue flg
11	Jherh dk;yh @y{e.k flg
12	Jherh Hkojh @rtflg
13	Jherh ted @ghjk flg
14	Jherh ykM @[khe flg
15	Jherh ted@?khlk flg
16	Jherh deyk @ukjk;.k flg
17	Jherh ehjk @f=ykd flg

18	Jherh fcnk;h @tB flg
19	Jherh fcn;h @Hkkhje flg
20	Jherh y{eh @jru fl g
21	Jherh fcnk;h @?khlk flg
22	Jh pUnk flg @Jhpu flg
23	Jh fcnk;h @xkiky flg
24	Jherh deyk @fdlu flg
25	Jherh Mkyh @ukjk;.k flg
26	Jherh rkjk @lkgu flg
27	Jherh l.kh @ekgu flg
28	Jherh Hkjh @ukgj flg
29	Jherh fd'kkjh @dky flg
31	Jhehr i"ik @ekB flg
32	Jherh fcnk;h @ie flg

¼4½vdf"k leg

d l-	v/;{k@lnL;k d uke
1	Jh puflg @Jh Hk: flg
2	Jh jkt flg @d'kj flg
3	Jh [khe flg @d'kj flg
4	Jh xkiky flg @cky flg
5	Jh iue flg @cky flg
6	Jh uul[k @i[k flg
7	Jh dky flg @ge flg
8	Jh [khe flg @ekx flg
9	Jh ckc flg @firk flg
10	Jh lkgu yky@firk flg
11	Jh noh flg @tk/kk flg
12	Jh noh flg @di flg
13	Jh cky flg @rt flg
14	Jh nhi flg @d'kj flg
15	Jh l[kj flg @mn; flg
16	Jh dyk'k joh @fdlu flg
17	Jherh y{eh @dUnu flg
18	Jherh xhrk @lTtu flg
19	Jherh 'khyk @xkiky flg
20	Jh fnfyi fxjh @ryNk fxjh th

¼5½pkjkxkg fodkl leg dh lph xke nhikokl

dz l-	v/;{k@lnL;k dk uke
1	Jh Hkhe flg @Hkki flg
2	Jh x.kir flg @i[k flg
3	Jh lkuh @tkfye flg
4	Jherh euh @pEikyky
5	Jherh lxuk @lkgu flg
6	Jherh Be @ykyflg
7	Jherh jkth @ekBk flg
8	Jherh Hkuh @rtflg
9	Jherh fcnk;h @/kUu flg
10	Jherh fcjk @[keflg
11	Jherh Hkxoku flg @ukjk;.k flg
12	Jh fdlu flg @ekgu flg
13	Jh pEikyky @ukjk;.k yky
14	Jh vkeidk'k @ghjkyky
15	Jh ekx flg @ny flg
16	Jh iue flg @ny flg
17	Jh mn; flg@[kxk flg
18	Jh ekgu flg @jkt flg
19	Jh ckc flg @ekrh flg
20	Jh Mkm flg @xkth flg
21	Jh :f/kj flg @e?k flg

¼6½0;kikj leg xke nhikokl

dz l-	v/;{k@lnL;k dk uke
1	Jh gjth jke @dky jke
2	Jh ckc yky @<xykjke
3	Jh ekB flg @iRoh flg

¼7½ckxokuh leg

dz l-	v/;{k@lnL;k dk uke
1	Jh lEir flg @ekgu flg
2	Jh ckc flg @ek< flg
3	Jh cky flg @rt flg
4	Jh y{e.k flg @Vhy flg
5	Jh yky flg @rt flg
6	Jh y{e.k flg @d'kj flg
7	Jh ukgj flg @rt flg
8	Jh Jo.k flg @e?k flg
9	Jh vej flg @Hkj flg
10	Jh Hkoj flg @gDek flg
11	Jh lkgu flg @jkeflg
12	Jh lEir flg @pu flg
13	Jh lokyky @rylhjke
14	Jh lkgu flg @ghjk flg
15	Jh lkgu flg @Hkheflg

v&3 ,dhdr tyxg.k ic/ku ;ktuk & exnMk xke ip;kr nhikokl ipk;r lfefr jk;ij ¼ikyh½

v&4 I. W. M. P. gr jk;ij ipk;r dh tyxg.k milfefr dk fooj.k

d l-	lnL; dk uke	in	ekckby u-
1	Jh xykjke e?kokY	v/;{k	2937284788
2	Jherh ikuh noh	lfpo	9928381112
3	Jh Hk.Mkjke	lnL;	9602914236
4	Jh enu yky	lnL;	9001541110
5	Jh :/kkjke	lnL;	
6	Jh t;fd'ku	lnL;	9950606264
7	Jherh lhrknoh	lnL;	9950321105
8	Jherh deyk noh	lnL;	9001615013
9	Jh enu ekyh	lnL;	7568427325
10	Jh jke'oj yky	lnL;	
11	Jherh lhrk @Hkoj yky	lnL;	
12	Jherh deyk @gtkjhjke tkV	lnL;	9602587392
13	Jherh deyk@ekrhjke	lnL;	9799839818
14	Jh je'k @HkOkj yky	lnL;	
15	Jh ?koj yky @VkMk tkV	lnL;	9001500939
16	Jh iekjke @uukjke tkV	lnL;	9928749095
17	Jh jktjke @<xykjke	lnL;	
18	Jherh fo|knoh @lxu pUn	lnL;	7948723583
19	Jherh nxk noh @jktjke	lnL;	
20	Jh x.kir yky@rtkjke	lnL;	

¼1½lk'k ikydk dk leg exMnk xke ipk;r nhikokl

dz l-	v/;{k@lnL;k dk uke
1	Jherh lhrk @xtkjke xtj
2	Jh vkljke @?khlkjke xtj
3	Jh exkjke @vkbnkujke xtj
4	Jherh :dek noh @lhrkjke xtj
5	Jh chtkjke @ghjkjke xtj
6	Jh ijekbl @xoj yky xtj
7	Jh v.knkjke @rtkjke xtj
8	Jh Bhdjke @fd'kukjke xtj
9	Jh gkijke @vejkjke xtj
10	Jh Ykk{e.k @ley jke xtj
11	Jh dkyjke @xhlkjke xtj
12	Jh Hkjkjke @gtkjh jke xtj
13	Jh tkxkjke @t;:lk xtj
14	Jh nokjke @gkijke xtj
15	Jh exkjke @Nkxkjke xtj
16	Jherh ikuh @Hknkjke
17	Jherh ikuh @HkMkjke xtj
18	Jh Hkjkjke@xykjke xtj
19	Jh x.kir yky @gjno e?koky
20	Jherh ckcMh @<xykjke xtj
21	Jherh ekMh @ukjk;.k yky xtj

¼2½df"k

dz l-	v/;{k@lnL;k dk uke
1	Jh ?koj yky @gtkjh jke
2	Jh ?keukjke @rtkjke xtj
3	Jh xykjke @iukjke e?koky
4	Jherh deyk @gjhjke tkV
5	Jh :xkjke @x.k'kjke jxj
6	Jh Hkoj yky @ukFkjke jxj
7	Jh eYykjke@tkjkjke jxj
8	Jh jkorjke @eykjke jxj
9	Jh vknjke @/kykjke ekyh
10	Jh idkjke @/kykjke ekyh

11	Jh xykjke @gkijke xtj
12	Jh ?koj yky @x.k'k ekyh
13	Jh uukjke @xkdyjke ekyh
14	Jh jkeiky@xkxkjke ekyh
15	Jh jkeyky @iUukyky ekyh
16	Jh ukFkjke @xkijke
17	Jh t;fd'ku @?kijke xtj
18	Jh <xykjke @edukjke ekyh
19	Jherh ikuh noh @f'kojke dekj
20	Jh nokjke@ukFkjke lFkkj
21	Jh vkxMjke @ley th xtj
22	Jherh deyk @rtkjke ekyh
23	Jherh et @iekjke th xtj
24	Jh fo/kk; @HkxrpUn ekyh
25	Jh jkel[k th @/kykjke ekyh
26	Jh lxu yky @i[k th

¼3½vdf"k miHkkDrk leg

dz l-	v/;{k@lnL;k dk uke
1	Jh irkijke @xykjke e?koky
2	Jh Hk.Mkjke @c'kh yky
3	Jh fgEerkjke @nokjke
4	Jh lkgu yky @fdLrj th
5	Jh 'kdj yky @x.k'k th jxj
6	Jherh deyk @ ekrh jke jxj
7	Jh ekxhyky @xki jke jxj
8	Jh ?koj yky @ gtkjh jke jxj
9	Jh Nxkjke @gtkjhjke jxj
10	Jh je'k @ Hkoj yky Nhik
11	Jh iekjke @lkukjke e?koky
12	Jh puhyky @lkukjke e?koky
13	Jh vkxMkjke @txkjke e?koky
14	Jh xykjke @yPNkjke
15	Jherh et @nnkjke e?koky
16	Jh pUnk@y{e.kjke
17	Jh vkxMjke @ukjk;.k yky

18	Jh gdekjke @th;kjke
19	Jh jkorjke @nokjke
20	Jh Hkkykjke @chtkjke
21	Jh lkgu yky @ukFk yky jxj
22	Jh ekBkjke @?khlkjke
23	Jh xykjke @tkjkjke
24	Jh ek.kdyky @c'khyky e?koky
25	Jh deyk @c'kh yky e/koky
26	Jherh 'kkfr @xykjke
27	Jh f'koyky @xtkjke xtj
28	Jh c)kjke @ukjk;.k yky
29	Jh x.kir @chtkjke]
30	Jh ujflg @fVdjke xtj
31	Jh nfjek @ukjk;.kjke
32	Jh jke'oj yky @ekxhyky
33	Jh dkyjke @gtkjh jke xtj
34	Jherh ikuhnoh @fnejke
35	Jherh 'kkfr @exu yky e?koky

¼4½nX/k mRiknu

d l-	v/;{k@lnL; d uke
1	Jherh lUrk"k @?koj yky tkV
2	Jherh iekjke @exykjke tkV
3	Jh gfjjke @th;kjke tkV
4	Jh ?koj yky @xkijke
5	Jh uukjke @xkijke tkV
6	Jh xxkjke@Hkhektkv
7	Jherh xudh @iekjke tkV
8	Jh exkjke @mnkjke tkV
9	Jherh dk;yh @xkykjke tkV
10	Jh ukjrey @ykHkjk; tkV
11	Jh xVdh @?koj yky tkV
12	Jherh deyk @Hkoj yky tkV
13	Jh ghjk yky @th;kjke tkV
14	Jh ghjkjke @th;kjke tkV
15	Jherh deyk @Noj yky ekyh

16	Jh iekjke @x.k'kjke ekyh
17	Jherh lk;jh @ukFk jke ekyh
18	Jh dUg;k yky @<xykjke tkV
19	Jh enu yky @Hk;ukjke tkV cjk /kelklkxj
20	Jherh jkt noh @lkgu yky tkV cjk /kelklkxj
21	Jh feJh yky @rtkjke ekyh
22	Jh vkeidk'k @vejkjke ekyh
23	Jh Hkoj yky @Jh Nkxkjke ekyh
24	Jh y{e.kjke @xkdyjke ekyh
25	Jh Hkhjnh pUn @/kUukjke ekyh
26	Jh lkgu yky @mnkjke ekyh
27	Jherh ie noh @ckc yky ekyh
28	Jh feJkb @lxu yky ekyh
29	Jherh ikuh noh @jkel[k th ekyh
30	Jherh i"ik @jkeyky ekyh
31	Jh xeMkjke @iUuk yky ekyh
32	Jh feJh yky @gtkjh jke ekyh
33	Jh rtkjke @/kUukjke ekyh
34	Jh rtkjke @gtkjh yky ekyh
35	Jh lkgu yky @ekxh yky ekyh
36	Jherh xydkb @nkeknkj ekyh
37	Jh iekjke @ujkjke ekyh

¼5½pkjkxkg fodkl leg

d l-	v/;{k@lnL;k dk uke
1	Jh iekjke @exykjke tkV
2	Jherh dk;yh @xkykjke tkV
3	Jh <xykjke @?khlkjke tkV
4	Jh ukjk;.k yky @iukjke e?koky
5	Jherh fVi noh @gtkjh jke
6	Jh ukjk;.k yky @pUkh yky lu
7	enu yky @rtkjke
8	Jh xkfoUn @rtkjke
9	Jh nokjke @Hkkekjke
10	Jh yknjke @inekjke
11	Jherh irklh @ikdVjke

12	Jh cxnkjke @gkijke
13	Jh dkukjke @ekbnku jke
14	Jh Hk.Mkjke @jkekjke
15	Jh Jo.k @rtkjke ekyh
16	Jherh bUnk @y{e.k xtj
17	Jh ilijke @gtkjh jke
18	Jh iekjke @uku jke ekyh
19	Jh fcnkeh @uukjke ekyh
20	Jh lxupUn @fd'ku th
21	Jherh lkouh noh @fd'ku th
22	Jherh bUnk noh @vkeidk'k ekyh

¼6½0;kikj e.My miHkkDr leg

d l-	v/;{k@lnL;k dk uke
1	Jh x.kir yky @jktey lkuh
2	Jh 'kkfUr @lkgu yky e?koky
3	Jh txnh'k @nkeknj yky ekyh
4	Jherh foeyk @jke'oj lu
5	Jh ekxh yky @t;jke nkl
6	Jh v.knkjke @ek.Mjke ekyh

¼7½ckxokuh

d l-	v/;{k@lnL;k dk uke
1	Jherh lUrk"k @?koj yky
2	Jh ie @ckc yky ekyh
3	Jh ckc yky @rtkjke ekyh
4	Jh lkgu yky @ckc yky
5	Jh ukjr @lkgu yky
6	Jh dk;yh @ekgu yky
7	Jh exkjke @?koj yky tkV
8	Jh lkgu yky @ckc yky
9	Jherh ekMh noh @gtkjh yky
10	Jherh lrk"k @jkeyky
11	Jherh et @xeMkjke
12	Jh eypUn @rtkjke
13	Jherh fcnkeh @ukFkjke

14	Jh c'kh yky@ekxh yky jxj
15	Jherh l[kMh @enu yky ekyh
16	Jh mxek@irki pUn
17	Jherh fi;k @f'konku
18	Jh ?kojjke @tkxkjke
19	Jh gkijke @pukjke
20	Jherh deyk @Hkoj yky tkV

¼1½lk'k ikyu miHkkDrk leg e lnL;k dh lph xke ekyuh xk-i- >kyk dh pkdh

d l-	v/;{k@lnL;k d uke
1	Jh ekuflg @feB flg
2	Jh ekgu flg @dxj flg
3	Jh Hkoj flg @ ekyflg
4	Jh ukFkflg @iUuflg
5	Jh lrk"k flg @: iflg
6	Jh iue flg @: iflg
7	Jh noh flg @iUu flg
8	Jh ili flg @ iUu flg
9	Jh cUu flg @pUn flg
10	Jh lxu flg @exyflg
11	fgEer flg @ [kxkj flg
12	Jh /ky flg @ tkV flg
13	Jh egUn flg @ [kxkj flg
14	Jh tk/k flg @ Jh x.k'k flg
15	Jh <xy flg @ xkx flg
16	Jh puflg @ Jh <xy flg
17	Jh vkl flg @feB flg
18	Jh <xy flg @ /kxy flg
19	Jh vej flg @ uoy flg
20	Jherh /kyh noh @ tk?k flg

¼2½df"k mRiknu leg lnL;k dh lph

d l-	v/;{k@lnL;k d uke
1	Jh noh flg @ Hkhe flg
2	Jh : iflg @ iUu flg
3	Jh dky flg @ : iflg
4	Jh iue flg @ iUu flg
5	Jh lEer flg @ x.k'k flg
6	Jh ijx flg @ x.k'k flg
7	Jh ili flg @ Jh l[k flg
8	Jh uu flg @ Jh xki flg
9	Jh uu flg @ Jh xke flg
10	Jh /ke flg @ Jh /kku flg
11	Jh ek/k flg @ HkkUk flg
12	Jh Hkoj flg @ Åe flg
13	Jh xkth flg @ tB flg
14	Jh cgknj flg @ xkth flg
15	Jh lkgu flg @ iUu flg
16	Jh vej flg @ exy flg
17	Jh lkgu flg @ vej flg
18	Jh rt flg @ jke flg
19	Jh vkeidk'k @ exykjke
20	Jh pUuhyky @ xkikjke

¼3½vdf"k mIkHkkDrkvk dh lph

d l-	v/;{k@lnL;k d uke
1	Jh yky flg @ Hkjk flg
2	Jh cky flg @ yEc flg
3	Jh ljnkj flg @ cky flg
4	Jh toku flg @ ie flg
5	Jh irki flg @ xke flg
6	Jh lkgu flg @ [kxkj flg
7	Jh dxj flg @ YkEc flg
8	Jh f'kof lg @ tB flg
9	Jh c) flg @ i[k flg
10	Jh Je flg @ ?khlk flg
11	Jh ekx flg@ ey flg
12	Jh nhiflg @prj flg
13	Jh Jo.k dekj @prj flg
14	Jh Åu flg @ ?khlk flg
15	Jh fd'ku flg @ ie flg
16	ili flg @ <xykflg

¼4½M;jh fodkl nX/k mRIkknu fodkl leg d lnL; x.k

d l-	v/;{k@lnL;k d uke
1	Jh ekgu flg @ xke flg
2	Jh Mxj flg @ yEc flg
3	Jh nky flg @ tk/kk flg
4	Jh Jo.k flg @ prj flg
5	Jh mn;jke @ xkijke
6	Jh /kyflg @/kUuflg
7	Jh bUn flg @ jkt flg
8	Jh ikp flg @ iUu flg
9	Jherh l[kh noh @ykx flg
10	Jh Qrg flg @ di flg
11	Jh enuflg @ feB flg
12	Jh Hkjk flg @ gEehj flg
13	Jh nky flg @ tk/k flg
14	Jh lkgu flg @ Jh jkt flg
15	Jh y{e.k flg @jkt flg
16	Jherh /kyh noh @Jh tk/kk flg

¼6½pkjkxkg fodkl mRiknu leg d lnL;

d l-	v/;{k@lnL;k d uke
1	Jh ukjk;.k flg @jkt flg
2	Jh jke flg @ jkt flg
3	Jh fd'ku flg @ jkt flg
4	Jh y{e.kk flg @ uu flg
5	Jh Jo.k flg @ prj flg
6	Jh ek/k flg @Hkkuk flg
7	Jh ili flg @ l[k flg
8	Jh tk/k flg @ x.k'k flg
9	Jh vej flg @exy flg
10	Jh j.kthr flg @ xkth flg
11	Jh rkjk flg @xkth flg
12	Jh vej flg @Hkoj flg
13	Jh pu flg @ <xy flg
14	Jh vej flg @ uoy flg
15	Jh Mko flg @ iUu flg
16	Jh <xy flg @gke flg
17	Jh vej flg @uoy flg
18	Jh Mko flg @ eky flg
19	Jh eku flg @ eky flg
20	Jh iue flg @eky flg

¼6½0;kikj leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh Jo.k flg @?khlk flg
2	Jh vej flg @?khlk flg
3	Jh fd'ku flg @nnk flg
4	Jh cky flg @ y[k flg
5	Jh mn;jke @ xki jke

¼7½ckxokuh leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh ljnkj flg @cky flg
2	Jh bUn flg @ jkt flg
3	Jh ikp flg @ jkt flg
4	Jh xkth flg @tB flg
5	Jh y{e.k flg@jkt flg
6	Jh ij.k flg @x.k'k flg
7	Jh ekgu flg @ vej flg
8	Jherh jkèkk noh @ ftrUn flg

¼1½lk'k ikyu mRlkknu o fodkl leg xke QRr[kMk xk-i- >kyk dh pkdh

dz l-	v/;{k@lnL;k dk uke
1	Jh cUu flg @Jh jke flg
2	Jh thou flg @ ge flg
3	Jh tB flg @ ghjk flg
4	Jh enu flg @ irki flg
5	Jh eykjke @vejkjke xtj
6	Jh Hkhdkjke @ ukFkjke xtj
7	Jh cxnkjke @ pkFkkjke xtj
8	Jh Mxjjke @pkFkkjke xtj
9	Jherh ikuh noh @ukjk;.k th
10	Jh y{e.kjke @ghjk th xtj
11	Jh Jjkjke @:ikjke xtj
12	Jh :ikjke @ ghjkjke xtj
13	Jh vkxMjke @ghjkjke xtj
14	Jh y{e.k@Jh ley jke xtj
15	Jh irkiflg @Jh ghjk flg
16	Jh [keflg @ ekMkflg
17	Jh cky flg @ eku flg
18	Jh gkFkh flg @ekuflg
19	Jh ckc flg @ Hkj flg
20	Jh Hkoj flg @jkt flg

¼2½df"k miHkkDrk mRlkknu leg

dz l-	v/;{k@lnL;k dk uke
1	Jh Hkoj flg @ eky flg
2	Jh ukFk flg @iUu flg
3	Jh noh flg @Hkhe flg
4	Jh noh flg @iUu flg
5	Jh fgEer flg @[kxkj flg
6	Jh tk/k flg @x.k'k flg
7	Jh l[k flg @xke flg
8	Jh uu flg @xkekflg
9	Jh /keflg @Hkke flg
10	Jh Hkoj flg @Åek flg
11	Jh lkgu flg @iUu flg

¼3½vdf"k mlkHkkDrkvk dh lph

d l-	v/;{k@lnL;k dk uke
1	Jh iue flg @eky flg
2	Jh vej flg @?khlk flg
3	Jh vej flg @iUu flg
4	Jh Jo.k flg @?khlk flg
5	Jherh teu noh @ekgu flg
6	Jh ekgu flg @Jh prj flg
7	Jh puflg @Fkhe flg
8	Jh vkl flg @feB flg
9	Jh j.kthr flg @nnk flg
10	Jh lkgu flg @[kxkj flg
11	Jh ljnkj flg @Jh cky flg
12	Jh Åe flg @?khlk flg
13	Jh fd'ku flg @ie flg
14	Jh gfjflg @<xy flg
15	Jh lkgu flg @iUu flg
16	Jh lxu flg @exy flg
17	Jh /ky flg @tkj flg
18	Jh vej flg @Jh exy flg

v&2 xke ipk;rokj] ljip lfpo dk fooj.k

d l-	xke ipk;r dk uke	ljip dk uke	lfpo@xke lod dk uke
1	fuEcMkdyk	Jh n;kjke pk/kjh	Jh Hkoj yky

v&3 ,dhdr tyxg.k ic/ku ;ktuk & fuEcMkdyk ipk;r lfefr jk;ij ¼ikyh½

(i.) xke lHkk dh fnukd &

v&4 I. W. M. P. gr fuEcMkdyk ipk;r dh tyxg.k milfefr dk fooj.k

d l-	lnL; dk uke	in	xko dk uke
1	Jh Hkjkjke @mekjke fljoh	v/;{k	bejfr;k
2	Jh Hkoj yky @nxykjke iVy	lfpo	cjk
3	Jh ekgu yky @ tkxkjke dkx	lnL;	ckyk;r
4	Jh yknjke @ UkUnkjke fljoh	lnL;	jfu;k
5	Jh ckcjke @ Hkjkjke fljoh	lnL;	gfjlkxj
6	Jh Hkjkjke @mekjke fljoh	lnL;	bejfr;k
7	Jh xeukjke @tLlkjke fljoh	lnL;	dk;Vk
8	Jh ekxhyky @ ekjkjke fljoh	lnL;	yokMh
9	Jh efr xxk@ pUnkjke fljoh	lnL;	
10	Jh ekdyh jke @ikjljke e?koky ¼vtk½	lnL;	
11	Jh ?khlkjke @iukjke fljoh	lnL;	ukdMk

¼1½Ik"k ikyu miHkkDrk leg e lnL;k dh lph

d l-	v/;{k@lnL;k d uke
1	Jh dukjke @ dkykjke th fljoh
2	Jh Hkoj yky @ dkykjke fljoh
3	Jh iHkjke @ i[kjkt fljoh
4	Jh ekgu yky @ tkxkjke fljoh
5	Jh pUuhyky @ tLlkjke
6	Jh gkijke @ tLlkjke fljoh
7	Jh gjthjke @ unkjke fljoh
8	Jh yknjke @uUnkjke fljoh
9	Jh ekgujke @uUnkjke fljoh
10	Jh nxkjke @ekxjke fljoh
11	Jh ckthjke @ tkxkjke fljoh
12	Jh lkgu yky @ Jh tkxkjke fljoh
13	Jh exykjke @ghjk jke fljoh
14	Jh ikcjke @ ghjk jke fljoh
15	Jh gMekujke @ xekujke fljoh
16	Jh jruyky @ cyno th]
17	frykdpUn @ uukjke fljoh
18	Jh dUg;k yky @ dky jke fljoh
19	Jh ekgu yky @ vUukjke
20	Jh ekgu yky @ i[kkjke fljoh

¼2½df"k mRiknu leg lnL;k dh lph

d l-	v/;{k@lnL;k d uke
1	Jh jrkjke @ l[kkjke fljoh
2	Jh iukjke @iekjke fljoh
3	Jh ykyjke @tLlkjke fljoh
4	Jh vckjke @tLlkjke fljoh
5	Jh nnkjke@edukjke fljoh
6	Jh exykjke@n/kkjke fljoh
7	Jh ekgu yky @i[kkjke fljoh
8	Jh ckcyky @ Hkjkjke fljoh
9	Jh fgEerkjke @ 'kjkjke fljoh
10	Jh ekxjke @ iukjke fljoh
11	Jh chtkjke @ tkxkjke fljoh
12	Jh Hkoj yky @ dkykjke fljoh
13	Jh iHkjke @i[kjkt fljoh
14	Jh nxkjke @ekxjke fljoh
15	Jh exykjke @ghjk jke fljoh
16	Jh iHkjke @ iukjke fljoh
17	Jh ?khlkjke @iukjke fljoh
18	Jh ekguyky @ vUukjke fljoh

19	Jh i[kjkt @ y[kkjke fljoh
20	dUg;kyky @ dkyjke fljoh
21	Jjkjke @mekjke fljoh

¼3½df"k mlkHkkDrkvk dh lph

d l-	v/;{k@lnL;k d uke
1	Jh pekjke @ cyno th
2	Jh tkxkjke @ :ikjke
3	Jh Jxkjke@c)kjke
4	Jh gekjke @ dkyjke
5	Jh 'k"kkjke @dkyjke
6	Jh pukjke @ dkyjke
7	Jh yknjke @ i[kkjke
8	Jh x.kkjke @ i[kkjke
9	Jh jru yky @ cyno th
10	Jh fgEkrkjke @ Hkjkjke
11	Jh dUg;kyky @dkyjke fljoh

¼4½M;jh fodkl nX/k mRikknu fodkl leg d lnL; x.k

d l-	v/;{k@lnL;k d uke
1	Jh iekjke @ :ikjke
2	Jh yEckjke @ :ikjke
3	Jh f'koth @:ikjke
4	Jh exykjke@iUukth
5	Jh pUkh yky @ dky jke
6	Jh exykjke@iUukth
7	Jh nk[kMh @ ekxhyky th fljoh
8	Jh ekguyky @tkxkjke fljoh
9	Jh Hkoj yky @ dkykjke fljoh
10	Jh puh yky @ tLlkjke fljoh
11	Jh ekguyky @ vUukjke fljoh

¼5½pkjkxkg fodkl mRiknu leg d lnL;

d l-	v/;{k@lnL;k d uke
1	Jh exykjke @ :?kkjke fljoh
2	Jh ekguyky @tkxkjke dkx
3	Jh ckcyky @ Hkjkjke fljoh
4	Jh yknjke @ uUnkjke fljoh
5	Jh Hkoj yky @ <xykjke iVy
6	Jh Hkjkjke @ Åekjke
7	Jh nhikjke @uukjke
8	Jh xeukjke @tLlkjke

9	Jh ekxhyky @ ekjkjke
10	Jherh xxknoh @ pUnkjke
11	Jherh ekdyh noh @ ikjljke e?koky
12	Jh ?khlkjke @iukjke fljoh
13	Jh gekjke dkyjke
14	Jh 'k"kkjke @ dkyjke
15	Jh pukjke @ dkyjke
16	Jh pukjke @d'kkjke
17	Jh f=ykdpUn @uukjke
18	Jh e?kflg @igkMflg
19	Jh e?kkjke @ ckcjke
20	Jh Jjkjke @mekjke
21	Jh ?khlkjke @iukjke

¼6½0;kikj leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh i"iUn @ ekgujke
2	Jh e?kflg @igkMflg
3	Jh Kkukjke@vckjke]
4	Jh x.kkjke@i[kkjke
5	Jh efuy@mekjke fljoh
6	Jh jruyky @ cyno th
7	Jh 'k"kkjke @ dkyjke
8	Jh pekjke @ cyno th

¼7½ckxokuh leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh tkxkjke @:ikjke
2	Jh iekjke @:ikjke
3	Jh yEckjke @:ikjke
4	Jh f'koth @:ikjke
5	Jh exykjke @ iUukjke
6	Jh ukjk;.k yky @ Åtkjke

¼1½lk'k ikyu miHkkDrk leg e lnL;k dh lph jk;ij

d l-	v/;{k@lnL;k d uke
1	Jh 'kdj yky @jkeyky th
2	Jh c)kjke @Nxykjke ekyh
3	Jh vejkjke @pUnkjke dekor cj Hk.Mkfj;k
4	Jh d'kkjke @<xykjke ekyh
5	Jh ekVkjke@<xykjke ekyh cjk d /kdMk
6	Jh txjkt @<xykjke
7	Jh xxkjke @yky jke
8	Jh vkeidk'k @ l[kkjke
9	Jh jkd'k dekj @ ekVjke
10	Jh ekukjke @ xxkjke
11	Jh rtkjke @iukjke
12	Jh lR;ukjk;.k @Hkoj yky
13	Jh ckc yky @ NkV yky
14	Jh fdU;k @ l[kkjke
15	Jh /kehpUn @ckc yky
16	Jh :ikjke @Jh f'konku
17	Jh Hkjkjke @xukjke
18	Jh Hkjkjke @dkukjke
19	Jh ckc yky @jketh
20	Jh ekrhyky @ Hkoj yky ekyh cjk dpkMk fuEcfM;k
21	Jh jRrukjke @Hko: fdj xxklkxj cjk

¼2½df"k mRiknu fodkl leg

d l-	v/;{k@lnL;k d uke
1	Jh xxkjke @yky jke ekyh cjk /kdMk
2	Jh l[kkjke @ xxkjke
3	Jh jktjke @rtkjke
4	Jh /kujkt @ Hkoj yky
5	Jh lkgu jk; @ ckc yky
6	Jh cky fd'ku @ ckc yky
7	ykcjkt @ :ikjke
8	Jh pEikyky @Hkjkjke
9	Jh enu yky @Hkjkjke
10	Jh nxk jke @ jketh
11	Jh [khojkt @ ekrh yky
12	Jh c)kjke @Hko:jke fdj xxklkxj
13	Jh vkeidk'k @Hko:jke fdj xxklkxj
14	Jh ykykjke @ uukjke fdj xxklkxj
15	Jh exkjke @ uuk jke fdj xxk lkxj
16	Jh Nxukjke @i[key th dpkMk cjk d ikl uokMk cjk
17	Jh ekrh yky @ Hkoj yky ekyh fuEcfM;k cjk
18	Jh vkxMkjke @ :ikjke ekyh dpkMk cjk
19	Jh :ikjke @f'kojke ekyh /kdMk
20	Jh Hkjkjke @ xukjke /kdMk

¼3½vdf"k mRiknu fodkl leg

d l-	v/;{k@lnL;k d uke
1	Jh exykjke @rtkjke ekyh cjk /kdMK jk;ij
2	Jh egUn @ekrh yky ekyh cjk dpkMk
3	Jh jRrukjke @Hkoj yky ekyh cjk dpkMk
4	Jh <xykjke @Hko:jke fdj xxklkxj
5	Jh ykykjke @uukjke fdj xxklkxj
6	fnu'k vkxMkjke ekyh /kdMk cjk
7	Jh lfuy dekj @dlkjke ekyh /kdMk cjk
8	Jh fnu'k @ vkxMkjke ekyh /kdMk cjk
9	Jh xkikyjke @'kdj yky ekyh /kdMk cjk
10	Jh vke idk'k @:ikjke
11	Jh 'kdj yky @ l[kkjke
12	Jh ekukjke @ Jh xxkjke
13	Jh rtkjke @ Jh iukjke
14	Jh dhdkjke @ uukjke dhj xxklkxj
15	Jh x.kir @ykykjke dhj xxklkxj
16	Jh ckc yky @ NkV yky ekyh
17	Jh lkgu jke @ ckc jke ekyh /kdMk
18	Jh ckyfdlu @ ckc jke
19	Jh :ikjke @ f'kojke ekyh
20	Jh enu yky @ Hkjk yky ekyh

¼4½M;jh fodkl nX/k mRikknu fodkl leg d lnL; x.k

d l-	v/;{k@lnL;k d uke
1	Jh jktjke @ rtkjke ekyh cjk /kdMk jk;ij
2	Jh ';ke yky @ :ikjke
3	Jh djekjke @ Hkjkjke
4	Jh Nxukjke @ Jh i[kth ekyh cjk uokfn;k
5	Jh l[kkjke @ekxjke ekyh cjk uokfn;k
6	Jh ekukjke @ xxkjke ekyh cjk /kdMk
7	Jh Hkjkjke @dkukjke ekyh
8	Jh nxkjke @jketh ekyh
9	Jh enu @ Jh Hkjk jke ekyh
10	Jh ckyfd'ku @ckcjke ekyh
11	Jherh fdU;k @l[kkjke ekyh
12	Jh /kujkt @ Hkoj yky ekyh
13	Jh rtkjke @ iukjke ekyh
14	Jh ekukjke@ xxkjke ekyh
15	Jh 'kdjjke @ l[kkjke ekyh
16	Jh ekVkjke @<xykjke ekyh
17	Jh jRrukjke @Hko:jke fdj xxklkxj
18	Jh prjkjke @uukjke fdj xxklkxj

¼5½pkjkxkg fodkl leg

d l-	v/;{k@lnL;k d uke
1	Jh ';ke yky @:ikjke th ekyh cjk /kdMk
2	Jh pEikjke yky @Hkjk jke
3	Jh jktjke @ rtkjke
4	Jh ckcjke @ Jh rtkjke fdj xxklkxj
5	Jh <xykjke @Hkjkjke fdj xxklkxj
6	Jh 'kdjjke @ xxkjke
7	Jh fxj/kkjh @prjkjke
8	Jh HkkxpUn @ Jh Nxukjke uokMk cjk
9	Jh feJhyky @ekxjke uokfn;k cjk
10	Jh egUnjke @ekrhyky fuEcfM;k cjk
11	Jh fnu'k @ Jh vkxMjke ekyh
12	Jh luhy@ d'kkjke ekyh
13	Jh 'kdj yky @ :ikjke dpkMk cjk
14	Jh vkeidk'k @ :ikjke dpkMk cjk
15	Jh v'kkd dekj @ Hkkxhyky dpkMk cjk
16	Jh 'kdj yky @ jketh /kdMk cjk
17	Jh ykcjke @:ikjke /kdMk cjk
18	Jh djekjke @ Hkjkjke /kdMk cjk
19	Jh nxkjke @jketh
20	Hkjkjke @dkukth cjk /kdMk

¼6½ckxokuh leg lnL;

d l-	v/;{k@lnL;k d uke
1	Jh HkkxpUn @ Nxukjke ekyh dpkMk cjk d ikl uokMk
2	Jh l[kkjke @ ekxjke ekyh uokfn;k cjk xxklkxj
3	Jh vkeidk'k @Hko:jke dhj cjklkxj
4	Jh lR;ukjk;.k @ Hkoj yky /kdMk cjk
5	Jh dkukjke @exkjke fdj xxklkxj
6	Jh fxj/kkjh yky prjkjke xxklkxj
7	Jh fddkjke @ uukjke xxklkxj
8	Jh x.kir jke @ ykykjke xxklkxj
9	Jh c)kjke @vkeidk'k xxklkxj
10	Jh jktjke @Nxukjke uokMk cjk
11	Jh vejkjke @ Jh pUnkjke dekor
12	Jh pEikyky @ Hkjkjke /kdMk
13	Jh enujke @ Hkjkjke ekyh
14	Jh ckc yky @ jketh ekyh
15	Jh dLekjke @ Hkjkjke ekyh
16	Jh ykcjke @ :ikjke ekyh
17	Jh /kehpUn @ckc yky ekyh

lefUor tyxg.k ikcU/ku ifj;kstuk vUrxZr jk;iqj tyxg.k {ks= dh o"kZokj okf"kZd dk;Z ;kstuk

ftyk dk uke	ikyh	dqy ykxr jkf'k	893.00
ipk;r lfefr dk uke	jk;iqj	tyxg.k {ks= ls	795.30
tyxg.k {ks= dk uke	jk;iqj&2 IWMP - XVI	vU; ;kstuk ls	97.70
dqy ykxr jkf'k	795.30 ykk[k		
mipkfjr fd;k tkus okyk iLrkfor {ks=Qy	5302 gDVj	ykxr izfr gDVj	0.17

dz- l-	xfrfof/k dk uke	W/S Finance %	TOTAL TARGET			From W/S			Other Scheme(conversence)			Name of Other Scheme
			Hkkfrd y{;	;fuV	foRrh; y{;	Hkkfrd y{;	nj	foRrh; y{;	Hkkfrd y{;	nj	foRrh; y{;	
1	i'kklfud ykxr	10%			79.53			79.53				
2	ekfuVfjx	1%			7.953			7.953				
3	bokY;w'ku	1%			7.953			7.953				
4	io'k fcUn xfrfof/k	4%			31.812			31.812				
5	lLFkku o {kerk fuek.k	5%			39.765			39.765				
6	foLrr ifj;kstuk ifronu	1%			7.953			7.953				
	mi;ksx	22% (174.966)			**174.966**			**174.966**				
7	**tyxg.k fodkl dk;Z pj.k**	56% (445.368)										
1	df"k Hkfe dk;Z ¼vfUkfpr½											
(i)	Earthen Bunding		1566	Ha	122.893	1466	0.07680	112.589	100	0.1030	10.304	MNREGS
(ii)	Weste Weir No		298	No	59.004	298	0.19800	59.004				
(iii)	KHADIN		18	No	43.328	10	3.62000	36.200	8	0.891	7.128	MNREGS
(iv)	Bank stabilaization		10	km	18.100	10	1.81000	18.100				
(vii)	Weste Weir No (Bank stabilization)		10	No	3.560	10	0.35600	3.560				
2	¼vdf"k Hkfe½											
(i)	pjkxkg fodkl Ha.		125	Ha	72.664	125	0.58131	72.664				
(ii)	NADI IN P.D BLOCK		2	No	7.240	2	3.62000	7.240				
(iii)	Open Contour Trench Ha		909	Ha	70.553	859	0.07608	65.353	50	0.104	5.200	MNREGS
(iv)	Road side plantation work		10	Km	12.827	0.00	1.01682	0.000	10.00	1.28266	12.827	MNREGS
3	ukyk mipkj dk;											
(i)	Masanery Check Dam		25	No	11.500	25	0.46000	11.500				
(ii)	M.M.S.(Anicut)		6	No	23.040	6	3.84000	23.040				
(iii)	L.S.C.D		360	No	35.125	175	0.09500	16.625	185	0.10	18.500	MNREGS
(iv)	Gali plug		37	Ha	3.700	37	0.10000	3.700				
(v)	Gabion Structure		36	No	3.667	36	0.10186	3.667				
(vi)	Sankan pond		15	No	18.535	11.00	1.10000	12.127	4.00	1.60200	6.408	MNREGS
	mi;ksx				**505.735**			**445.368**			**60.367**	
8	**ekbdks m/ke**	9% (71.577)										
1	**LIVELIHOOD**											
1	Lo; lgk;rk leg (R/F.)		169	No	42.327	169	0.25000	42.327				
2	R.F To Indidual Enterprencurs		29	No	7.250	29	0.25000	7.250				
3	Grant in aid to Federation		22	No	46.750	11	2.00000	22.000	11	2.25	24.750	BANK
	mi;ksx				**96.327**			**71.577**			**24.750**	
9	**mRiknu 0;oLFkk**	10% (79.53)										
(i)	A.I.+A.H. CAMP (2 Day) 2x5		0	No	19.460		0.00150	19.460				
1	[kjhQ			No	16.015			16.015				
2	jch			No	8.1			8.1				
3	Qynkj ik/kkjki.k		75	Ha	35.138	50	0.45110	22.555	25	0.50331	12.583	MNREGS
4	uMi dEiksLV		350	No	7.000	350	0.02000	7.000				
5	**Inovative Works**											
(i)	Vegitable Kit		800	No	6.400	800	0.00800	6.400				
	Total				**92.113**			**79.530**			**12.583**	
10	**dUlkfyMs'ku pj.k**	3% (23.859)			23.859			**23.859**				
	GRAND TOTAL				**893.00**			**795.30**			**97.70**	

795.30 ALL FIGURE IN LACS.

Summary

S. No	NAME OF DEPARTMENT		Amount
1	MNREGS		72.95
2	Others (Bank)		24.75
	Grand Total		**97.70**

lefUor tyxg.k icU/ku ifj;ktuk vUrxr jk;ij tyxg.k {k= dh o"kokj okf"kd dk; ;ktuk

ftyk dk uke : ikyh
ipk;r lfefr dk uke : jk;ij 795.30
tyxg.k {k= dk uke : PALI IWMP XVI (RAIPUR- II)
dy ykxr jkf'k : 795.30 yk[k
mipkfjr fd;k tku okyk iLrkfor {k=Qy : 5302 gDVj

dz- l-	xfrfof/k dk uke	ykxr					o"kokj okf"kd dk; ;ktuk 2010-11 iFke o"k		2011-12 f)rh; o"k		2012-13 rrh; o"k		2013-14 prFk o"k		2014-15 ipe o"k		2015-16 NBoh o"k		2016-17 lkroh o"k		dy ;kx	
		ifr'kr	ek=k	nj	As Per Annx.	ykxr	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd	foRrh;
1	**i'kklfud ykxr** 10% (Honararium of Watershed Development Team, Secretary of WC, Office Expences, Jeep Hiring etc.)					**79.530**				**3.977**		**11.930**		**25.450**		**22.268**		**7.953**		**7.953**		**79.530**
2	ekfuVfjx 1%					7.953						1.591		3.181				3.181				7.953
3	bokY;'ku 1%					7.953						2.386				2.7836		2.7836				7.953
4	**iko'k fcUn xfrfof/k ¼lkyj ykbV ,o 'e'kku ?kkV½**	**4%**				**31.812**				**31.812**												**31.812**
5	**lLFkku o {kerk fuek.k ¼if'k{k.k ,o ,Dlikstj V;j ,o ukjk y[ku½**	**5%**				**39.765**				**3.850**		**19.893**		**13.332**		**2.691**						**39.765**
6	**foLrr ifj;ktuk ifronu**	**1%**				7.953				7.953												7.95
	tyxg.k dk; pj.k																					
7	**tyxg.k fodkl dk; pj.k**	**56%**																				
(I.)	**df"k Hkfe dk; ¼vfl fpr½**																					
(i)	Earthen Bunding		1466	7680		112.589					72	5.530	575	44.160	540	41.472	279	21.427			1466	112.589
(ii)	West weir Na.		298	19800		59.004					12	2.376	126	24.948	120	23.760	40	7.920			298	59.004
(iii)	Khadin		10	362000		36.200					1	3.620	4	14.480	5	18.100		0.000			10	36.200
(iv)	Bank stabilaization		10.0	181000		18.100					2	3.620	5.0	9.050	3	5.430	0	0.000			10	18.100
(v)	West weir Na.		10	35600		3.560							4	1.424	6	2.136	0	0.000			10	3.560
(II.)	**¼vdf"k Hkfe½**																					
(i)	**pjkxkg fodkl** Ha.		125	58131		72.664					25	14.533	42	24.415	58	33.716					125	72.664
(ii)	NADI IN P.D BLOCK		2	362000		7.240						0.000	1	3.620	1	3.620					2	7.240
(iii)	Open Contour Trench		859	7608		65.353							250	19.020	450	34.236	159	12.097			859	65.353
(III)	**ukyk mipkj dk;**																					
(i)	Masanery Check Dam		25	46000		11.500							3	1.380	15	6.900	7	3.220			25	11.500
(ii)	MMS		6	384000		23.040								0.000	5	19.200	1	3.840			6	23.040
(iii)	LSCD		175	9500		16.625							84	8.000	74	7.000	17	1.625			175	16.625
(iv)	Gali Plug		37	10000		3.700							12	1.200	20	2.000	5	0.500			37	3.700
(v)	Gabion Structure		36	10186		3.667							11	1.120	20	2.037	5	0.509			36	3.667
(vi)	Sankan Pond		11.00	110000		12.127								0.000	11	12.127					11	12.127
	mi;kx					**445.37**						**29.68**		**152.82**		**211.73**		**51.14**				**445.37**

8	**ekbdk m/ke**	**9%**																				
	LIVELIHOOD (Karigar, Tailoring, White Wash, Paint, Masala Udyog) etc.																					
1	Lo; lgk;rk leg (R/F.)		169	25000		42.327							65	16.250	52	13.077	40	10.000	12	3.000	169	42.327
2	R.F To Indidual Enterprencurs		29	25000		7.250							11	2.750	7	1.750	11	2.750			29	7.25
3	Grant in aid to Federation		11	200000		22.000							5	10.000	3	6.000	3	6.000			11	22.00
	mi;kx					**71.58**						**0.000**		**29.000**		**20.827**		**18.750**		**3.000**		**71.58**
9	**mRiknu 0;oLFkk**	**10%**																				
(i)	A.I.+A.H. CAMP (2 Day) 2x5		11373	150		19.46					4933	7.880	2960	4.920	1776	3.144	1065	2.078	639	1.439	11373	19.46
(ii)	Other Works (Domestration, Horticulture, Kit, Compost)					60.070						1.080		23.769		18.522		11.721		4.978		60.07
mi;kx						**79.53**						**8.96**		**28.69**		**21.67**		**13.80**		**6.42**		**79.53**
10	**dUlkfyMs'ku pj.k**	**3%**				23.859														23.859		23.859
dqy ;kx						**795.30**				**47.59**		**74.44**		**252.47**		**281.97**		**97.60**		**41.23**		**795.30**

lef/or tyxg.k ic/ku ifj;kstuk vUrxr jk;ij tyxg.k {ks= dh o"kZokj okf"kZd dk;Z ;kstuk

ftyk dk uke	:	ikyh	
ipk;r lfefr dk uke	:	jk;ij	
tyxg.k {ks= dk uke	:	PALI IWMP -XVI (RAIPUR - II)	
dqy ykxr jkf'k	:	795.30	yk[k
mipkfjr fd;k tku okyk iLrkfor {ks=Qy	:	5302	gDVj

Name of Head	Name of Activity	Name of Subactivity	ykxr						o"kZokj okf"kZd dk;Z ;kstuk														dqy ;ksx	
									2010-11 iFke o"kZ		2011-12 f}rh; o"kZ		2012-13 rrh; o"kZ		2013-14 prFkZ o"kZ		2014-15 ipe o"kZ		2015-16 NBoh o"kZ		2016-17 lkroh o"kZ			
			ifr'kr	Unit	ek=k	nj	As Per Annx.	ykxr	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd y{;	foRrh; y{;	Hkkfrd	foRrh;
1.Watershed Development Works	1.1 Soil & Moisture Conservation (Arable Land)	1.1.1 Earthen Bunding		Ha.	1466	7680		112.589					72	5.530	575	44.160	540	41.472	279	21.427			1466	**112.589**
		1.1.2 Others (Westeweir)		No.	298	19800		59.004					12	2.376	126	24.948	120	23.760	40	7.920			298	**59.004**
		1.1.3 KHADIN		No.	10	362000		36.200					1	3.620	4	14.480	5	18.100					10	**36.200**
		1.1.4 Bank Stablization		No.	10	181000		18.100					2	3.620	5.0	9.050	3	5.430					10	**18.100**
		1.1.5 Others (Westeweir)		No.	10	35600		3.560							4	1.424	6	2.136					10	**3.560**
	1.2 None Arable Land Development	1.2.1 NADI In P.D. Block		No.	2	362000		7.240							1	3.620	1	3.620					2	**7.240**
		1.2.2 Pasture Land Development	**56%**	Ha.	125	58131		72.664					25	14.533	42	24.415	58	33.716					125	**72.664**
		1.2.3 Open Cunter Trench (On Govt. Land)		Ha.	859	7608		65.353							250	19.020	450	34.236	159	12.097			859	**65.353**
	1.3 Water Harvesting Structure Under DLT (New created)	1.3.1 Check dams (MCD)		No.	25	46000		11.500							3	1.380	15	6.900	7	3.220			25	**11.500**
		1.3.2 Nallah Bunds (MMS)		No.	6	384000		23.040								0.000	5	19.200	1	3.840			6	**23.040**
		1.3.3 L.S.C.D.		No.	175	9500		16.625							84	8.000	74	7.000	17	1.625			175	**16.625**
		1.3.4 Gali Plug		No.	37	10000		3.700							12	1.200	20	2.000	5	0.500			37	**3.700**
		1.3.5 Gabion Structure		No.	36	10186		3.667							11	1.120	20	2.037	5	0.509			36	**3.667**
		1.3.6 Shanken ponds		No.	11	110000		12.127								0.000	11	12.127					11	**12.127**
						TOTAL		**445.37**						**29.68**		**152.82**		**211.73**		**51.14**				**445.37**
2.EPA	2.1 No. of EPA activities	lkyj ykbV ,o 'e'kku ?kkV	**4%**	No.				31.812				31.812												**31.812**
						TOTAL		**31.812**				**31.812**												**31.812**
3.Institution & Capacity Building	3.1 **lLFkku o {kerk fuekZ.k** **¼if'k{k.k ,o ,Dlikstj V;j ,o ukjk yk[kus½**		**5%**					**39.765**				**3.850**		**19.893**		**13.332**		**2.691**						**39.765**
						TOTAL		**39.765**				**3.850**		**19.893**		**13.332**		**2.691**						**39.765**
4.Livelihood activities for the asset-less persons	**LIVELIHOOD** (Karigar, Tailoring, White Wash, Paint, Masala Udyog) etc.																							
	4.1 Lo; lgk;rk leg (R/F.)		**9%**	No.	169	25000		42.327							65	16.250	52	13.077	40	10.000	12	3.000	169	**42.327**
	4.2 R.F To Indidual Enterprencurs				29	25000		7.250							11	2.750	7	1.750	11	2.750			29	**7.250**
	4.3 Grant in aid to Federation			No.	11	200000		22.000							5	10.000	3	6.000	3	6.000			11	**22.00**
						TOTAL		**71.577**								**29.000**		**20.827**		**18.750**		**3.000**		**71.577**
5.Production system & Micro-enterprises	5.1 A.I.+A.H. CAMP (2 Day) 2x5		**10%**		11373	150		19.46					4933	7.880	2960	4.920	1776	3.144	1065	2.078	639	1.439	11373	**19.46**
	5.2 Other Works (Domestration, Horticulture, Kit, Compost)			No.				60.070						1.080		23.769		18.522		11.721		4.978		**60.070**
						TOTAL		**79.530**						**8.960**		**28.689**		**21.666**		**13.799**		**6.417**		**79.531**
6.Administrative Cost	6.1 **iz'kklfud ykxr** 10% (Honorarium of Watershed Development Team, Secretary of WC, Office Expences, Jeep Hiring etc.)		**10%**	No.				79.530				3.977		11.930		25.450		22.268		7.953		7.953		**79.530**
						TOTAL		**79.530**				**3.977**		**11.930**		**25.450**		**22.268**		**7.953**		**7.953**		**79.530**
7.Monitoring	7.1 Monitoring of Projects		**1%**	Per.				7.953						1.591		3.181				3.181				**7.953**
						TOTAL		**7.953**						**1.591**		**3.181**				**3.181**				**7.953**
8 Evoluation	8.1 Evoluation		**1%**	Per.				7.953						2.386				2.7836		2.7836				**7.953**
						TOTAL		**7.953**						**2.386**				**2.784**		**2.784**				**7.953**
9.DPR	9.1 Preparation Of DPR		**1%**	Per.				7.953				7.953												**7.95**
						TOTAL		**7.953**				**7.953**												**7.953**
10.Consolidation Part			**3%**	Per.				23.859														23.86		**23.86**
						GRAND TOTAL		**795.30**				**47.59**		**74.44**		**252.47**		**281.97**		**97.60**		**41.23**		**795.30**

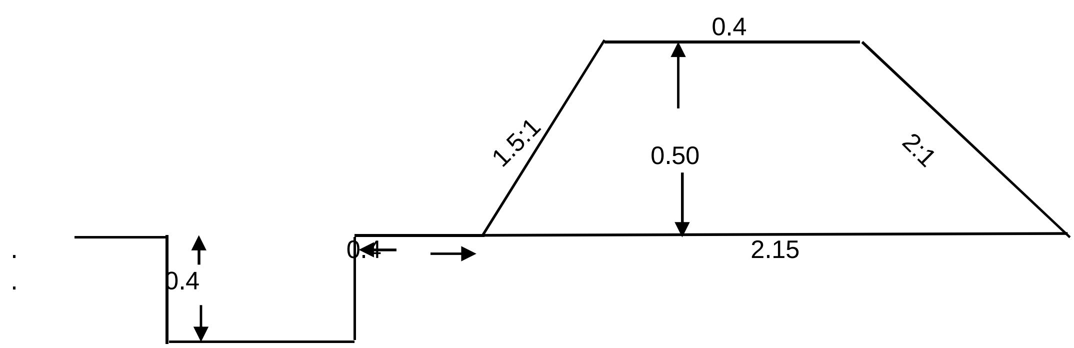
RAIPUR (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF ARABLE LAND							
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 2.5-5cm depth 4x100=400m	400	Rm	0.47	0.47	188.00	188.00
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	90.95	92.00	5820.80	5888.00
	Total					**6008.80**	**6076.00**
	Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk					2574.77	2574.77
	;kx					**8584**	**8650.77**
	tkM 3 % ikuh okyk vk;k					257.51	257.51
	;kx					**8841**	**8908.28**
	tkM 2 % dfUVu tlh						178.17
	dy ;kx						9086
	SAY						9100
				ykxr Je en e			**8840**
				ykxr lkexh en e			**260**
				dy ;kx			**9100**

Say am **9100**

Per Rmt 92/-

Avarage length per Rm/Ha =112.00 Rm **Per Ha Cost** 10304/-



RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

DETAILED ESTIMATE OF ONE DAY TRAINING

S.No	Activity	No of Trainees	Rates	Total Am (Rs)	Reference.	Remark
1	Meal Expenses	60	75/- per trainees/day	4500	Cir.No; F-7(60)-fu t- Hk- l- @if'k{k.k @ 2011-&12@729&814 Dt 10.05.2011	
2	Honorium of Resource person	60	250/- per lecture (4 lecture/day)	1000	Cir.No; F-7(60)-fu t- Hk- l- @if'k{k.k @ 2011-&12@729&814 Dt 10.05.2011	
3	POL (two days jeep Hire Charges)	60	500/- per day	1000	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 7	
4	Literature & stationary	60	50/- per trainees	3000	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 11	
5	Seating arrangement (tent,matting,chairs,etc)	60	750/-	900	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 10	
6	Miscellaneous charges	60	0	360	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 12	
TOTAL AMOUNT				**10760**		

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

DETAILED ESTIMATE OF TWO DAYS TRAINING

S.No	Activity	No of Trainees	Rates	Total Am (Rs)	Reference.	Remark
1	Daily Allowance for lodging / boarding for residential training within the district.	60	125/- per trainees/day	15000	Cir.No; 729-814. Dt 9.05.11 Dir. WDSC, Jaipur Item No 2	
2	Honorium of Resource person	60	250/- per lecture (2 Hr /lecture/day)	2000	Cir.No; 729-814. Dt 9.05.11 Dir. WDSC, Jaipur Item No 5	
3	POL (three days jeep Hire Charges)	60	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	60	0.42/-per km / member	7560		
5	Literature & stationary	60	100/- per trainees	6000	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 11	
6	Seating arrangement (tent,matting,chairs,etc)	60	1500/-	1800	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 10	
7	Miscellaneous charges	60	0	600	Cir.No; 1147-1200. Dt 12.07.04 Dir. WDSC, Jaipur Item No 12	
			TOTAL AMOUNT	**34460**		

RAIPUR - II (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)
DETAILED ESTIMATE OF PADYATRA (Railly)

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 Railly	100	1100/- per day	1100	
4	Two day tractor Hire Charge for Railly min. 4 tractor	100	1000/- per day	8000	
5	Material for construction of model	100	L S	5000	
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	500	L.S
9	Purchase of Banner	100	20 No of Banner	4000	L.S
10	Expenditure for Break fast	100	75/- per trainees/day	7500	
11	Water tanker for Drinking	100	500/- per day	1000	
12	Miscellaneous charges	100	L.S	2000	
13					
			TOTAL AMOUNT	**50600**	

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

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

PARTICIPANTS-60

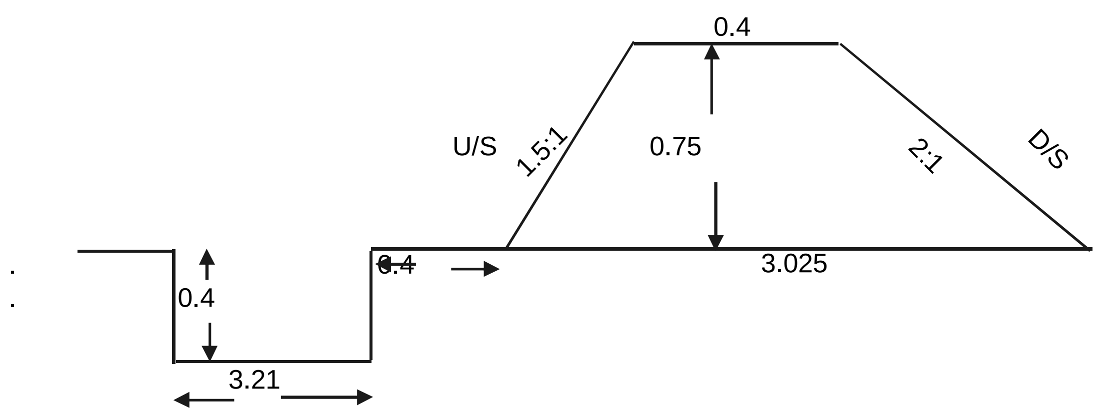
DURATION-SEVEN NIGHT & SIX DAYS

TOTAL DISTANCE - 1800KM

S.No	HEAD	UNIT CHARGES	No. OF Participants	Amount Rs	Remarks
1	Travelling Allowances & Local	756	60	45360	
2	Daily Allowances for loading & boarding of trainees	200x6	60	60000	
3	Stationery & training material (per trainees)	150	60	9000	
4	D.A. of Resource person with the tour	250	12	3000	
5	POL (seven days jeep Hire Charges)	500	7 Days	3500	
6	Other Expenses	4000	L.S.	4000	
			TOTAL AMOUNT	**124860**	

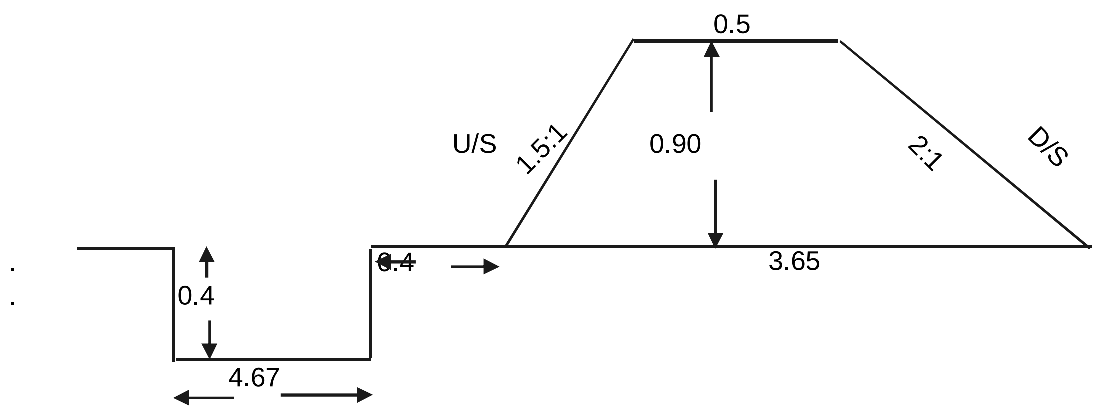
RAIPUR (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF ARABLE LAND NRM W/S							
A	Cross section of bund-	1.285	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 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	128.5	Cum	90.95	92.00	11687.08	11822.00
	Total					**12087.08**	**12222.00**
	Say Rs					**12087**	**12222**
		Contingency @ 3%					367
		Grand Total					**12589**
		Say am			**12589**		
		Per Rmt	**126**				
	Avarage length per Rm/Ha = 60 Rm	**Per Ha Cost**		7560.00			
		Say am	**7560**				



RAIPUR II (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF BANK STABILAIZATION NRM W/S							
A	Cross section of bund-	1.8675	Sqm		Top Width		0.5
B		100	Rmt		Bottom Width		3.125
					Height		0.75
S. No.	**Item**	**Quantity**	**Unit**	**Labour Rate**	**Total Rate**	**Labour Amount**	**Total Amount**
1	Dug belling work up to 5-7 cm depth 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	186.75	Cum	92.00	92.00	17181.00	17181.00
	Total					**17581.00**	**17581.00**
	Say Rs					**17581**	**17581**
		Contingency @ 3%					527
		Grand Total					**18108**
		Say am			**18100**		
		Per Rmt	**181**				
		Say am	**181**				



MINOR MASONARY STRUCTURE

1 Name of Watershed :- PALI IWMP XVI (RAIPUR - II)
P.S. - RAIPUR DISTT. PALI (RAJ.)
2 Name of work :- CONTRUCTION OF PAKA ANICUT AT **NALLAH**

Design

1	Available crest length	10.00	M
2	Total catchment area	75.00	Ha
3	Hight of structure	1.50	M

A Design discharge (By flood discharge method)

A HYDROLIC DESIGN

Peak rate of run off in cum/sec.=

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

Catchment Area 75.00 Ha

Q = 12.50 cumsec

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

L= 420.00 M

Say 13.00 cumsec

H= 6.44 M

K 3391.81

$Tc=0.0195K^{0.}$

10.20

I = 15.00 cm/hr.

B HYDROLIC DESIGN

$Q = 1.71L(h)^{3/2}$ L = 10.00 mt length available at site

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

h = 0.83 Say = 0.83

Taking free board as 0.3 M

Total d = 1.13

C. STRUCTURAL DESIGN

(I)	Top width of Head wall					
	$h /(p-1)^{0.5}$	0.73	0.73	say =	1.00	M
	(as per site condition where h =		0.83	m p = 2.30	0.83	
	p Specific gravty of stone masnory in cm = 2.3					
(ii)	Bottom width of head wall					
	b = 0.8H+T.W+.3	2.50		Say =	2.50	M
	H =heigth of head wall in meters =		1.5	m	1.50	M
(iii)	Length of head wall extension					
	H +d + 1	3.63			3.70	M
	d = h+free board =	1.13			1.20	M
	but as per side condition L/S M	4	R/S M	4	8.00	M
(iv)	Heigth of Head wall extension					
	H + d =				2.63	M
(v)	Botton width of HW ext. side wall & wing wall					
	0.5(H+h)=	1.17			1.20	M
(vi)	Top width of HW ext					
	0.4H=	0.6			0.80	M
(vii)	APRON WIDTH					
	=H+d	2.63			2.70	M

(viii)	Thickness of Basin =0.60m(inclonding concreting)			
(ix)	Height of side wall			
	H+d =	2.63	2.70	M
(x)	Height of side wall =1.5h at W W joints			
	1.5d =	1.70	1.70	M
(xi)	Length of side wall = B. W. of H. W -B.W of H W E+Apron width+ width of toe wall			
		4.45		
(xii)	Length of wing wall = 2.25 d	2.55	2.60	M
(xiii)	Height of the wing wall =	1.70	1.70	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 =		1.70	M
(xviii)	Bottem width of the side wall &wing wall taking as per Bottom width			
	of the head wall ext as in item no.5= m		1.20	M
(xix)	Depth of foundation taking as		2.00	M

STABILITY CHECK'S

a	Top width of anicut =	1.00	m
b	Bottm width of anicut =	2.50	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 =	0.83	m
H	heigth of anicut =	1.50	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 ancut 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 x H xLxS					
		3.45	3.45		2.20	7.59	
2		w2 = 1/2x(b-a)xHxLxS					
		2.59	2.59		1.13	2.92	
3		p_1 =wh x H					
		1.25		1.25	0.90		1.12
4		p_2 =wH^2/2 x H					
		1.13		1.13	0.60		0.68
5		p_3 =cxwbx(H+h)/2					
		1.35	1.35		1.80		2.43
		TOTAL	4.69	2.37		10.51	4.23

Em=mr-mo
6.28

CHECKS IN OVERTURNING
Factor of satety agaist overturning
Emr/Emo =+m/-m = Restoning moment/overturning moment
2.49
it is more than 1.50 hance structure is safe against overturning
SLINDING
Factor of safety against slinding
Ev/Eh = 1.97
it is more than 1.0 hance structure is safe against slinding
RUPTURE (safety against tension at the bese)
X Relne Position of resultant measured from toe

x = Em/Ev =	1.34
e = b/2 - X	-0.09
Ev/b (1+6e/b)	1.66
Ev/b (1-6e/b)	2.09
P max =	1.66
P min =	2.09

ABSTRACT OF COST

Name of work :-WHS :-Anicut

S. No	Item No.	Particular	Qty.	Rate	Per	Amount	Labour Rate	L. Amount
1	189 (B)	Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete	14.39	75.00	cum	1079.03	75.00	1079.025
2	189 (C)	Excavation in ordinary murram or earth mixed with bajri and kankar or boulder dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete	43.16	92.00	cum	3970.81	92.00	3970.812
3	2 (C)	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	86.32	134.00	cum	11567.15	134.00	11567.148
4	192	cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 40mm. HB	26.78	1862.00	cum	49860.64	260.05	6963.6189
5	190 (A)	Random rubble stone masonary in cement sand mortar(1:6) for foundation	103.89	1426.00	cum	148149.99	402	41764.584
6	190 (A)	Random rubble stone masonary in cement sand mortar(1:6) forsuper structure	94.69	1426.00	cum	135030.51	402	38066.103
7	70 (A)	Cement plaster including smooth finishing in cement mortar (1:4)25mm thick	102.04	153.00	cum	15612.25	77.65	7923.4738
8	194	Cement concrete coping in cement mortar1:2:4100mm thick	2.56	3095.00	cum	7915.46	434	1109.955
9	188 (B)	E/W 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 requred profile when compacted manually or by plain roller with initial lead of 30mt and lift 1.5 mt (exeluding charges of waterring and compaction) Hard soil	0.00	92.00	cum	0.00	92.00	0
			TOTAL			373185.83		112444.72
		TOTAL				373185.83		
		Add 3% Contingency Charges				11195.58		
		Total METARIAL				271936.69	SAY	2.719
		Total LABOUR				112444.72	SAY	1.124
		G. TOTAL				384381.41	Say	3.84

Prepared by   checked by   Approved by

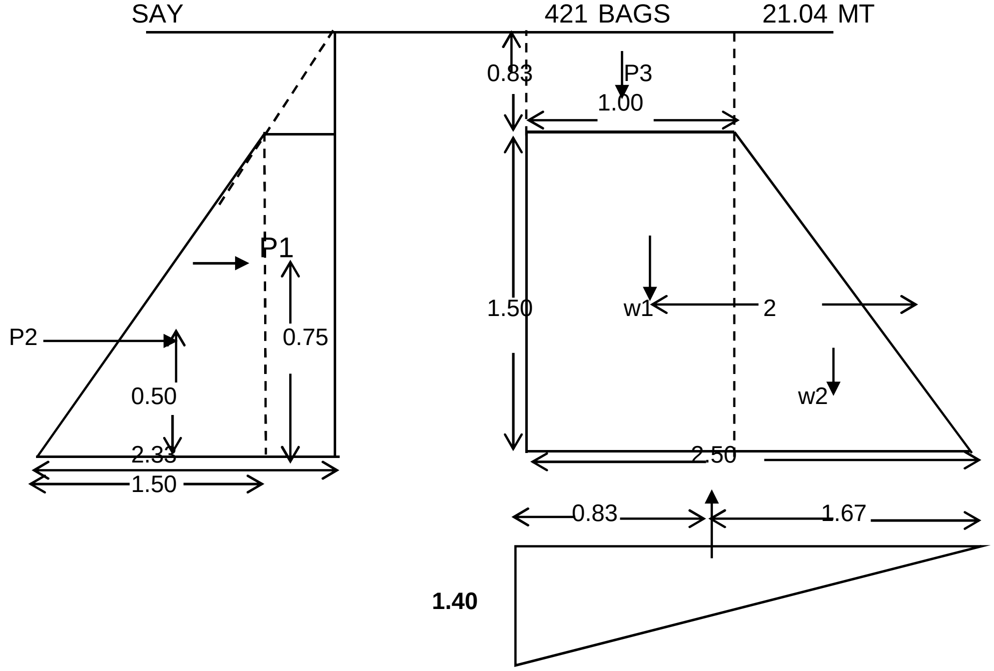
DETAILED ESTIMATE

S.No.	PARTICULAR	No.	LENGTH	BREADTH	HT/DEPTH	QUANTITY
1	Total Excavation	1.00	10.00	2.50	2.00	50.00
	H.W.	1.00	8.00	1.20	2.00	19.20
	H.W.E.	2.00	4.45	1.20	2.00	21.36
	S.W.	4.00	2.60	1.20	2.00	24.96
	wing wall	1.00	10.00	0.45	0.90	4.05
	Toe wall	1.00	10.00	2.70	0.90	24.30
	Apron			Total	(cu.m)	143.87
2	Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete 10%of Total Excavation			Total		14.39
3	Excavation in ordinary murram or earth mixed with bajri and kankar or boulder dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete 30% of Total Excavation			Total		43.16
4	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 60% of Total Excavation			Total		86.32
5		1.00	10.00	2.50	0.30	7.50
	cement concrete well mixed in cement mortar(1:3:8) laid in position complete including curing Aggregate size upto 50mm. HB Total Excavation H.W.	1.00	8.00	1.20	0.30	2.88
	H.W.E.	2.00	4.45	1.20	0.30	3.20
	S.W.	4.00	2.60	1.20	0.30	3.74
	Wing Wall	1.00	10.00	0.45	0.30	1.35
	Toe Wall	1.00	10.00	2.70	0.30	8.10
	Apron			Total		26.78
6	Random rubble stone masonary in cement sand mortar(1:6) for foundation	1.00	10.00	2.20	1.70	37.40
	H.W.	1.00	8.00	1.20	1.70	16.32
	H.W.E.	2.00	4.45	1.20	1.70	18.16
	S.W.	4.00	2.60	1.20	1.70	21.22
	Wing Wall	1.00	10.00	0.45	0.60	2.70
	Toe Wall	1.00	10.00	2.70	0.30	8.10
	Apron			Total		103.89

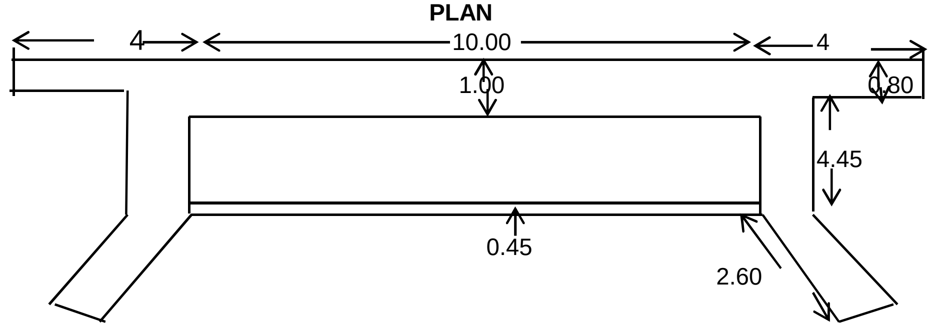
7	Random rubble stone masonary in cement sand mortar(1:6) forsuper structure					
	H.W.	1.00	10.00	1.60	1.50	24.00
	H.W.E	1.00	8.00	1.00	2.63	21.06
	S.W.	2.00	3.15	1.00	2.17	13.65
		2.00	1.30	1.00	2.63	6.85
		2.00	0.40	1.00	1.32	1.05
	Wing Wall	4.00	2.60	1.00	2.70	28.08
				Total		94.69
8	Cement plaster including					
	H.W.	1.00	10.00	1.50		15.00
		1.00	10.00	1.80		18.00
		1.00	10.00	0.30		3.00
	S.W.	2.00	1.00	1.13		2.27
		2.00	1.50	1.88		2.27
		2.00	3.15	2.17		13.65
		2.00	2.70	0.30		1.62
	Wing Wall	2.00	2.60	1.70		8.84
		2.00	1.00	1.70		3.40
	H.W.E.	1.00	8.00	0.50		4.00
	Toe Wall	1.00	10.00	0.30		3.00
	Apron	1.00	10.00	2.70		27.00
				Total		102.04
9	Cement concrete coping in					
	H.W.	1.00	10.00	1.00	0.08	0.75
	S.W.	2.00	5.65	0.80	0.08	0.68
	Wing Wall	2.00	2.60	0.80	0.08	0.31
	H.W.E.	1.00	8.00	0.80	0.08	0.48
	Toe.Wall	1.00	10.00	0.45	0.08	0.34
	Apron	0.00	10.00	2.70	0.10	0.00
				Total		2.56
10	E/W for bind / embankment in	0				0.00
				Total		0.00

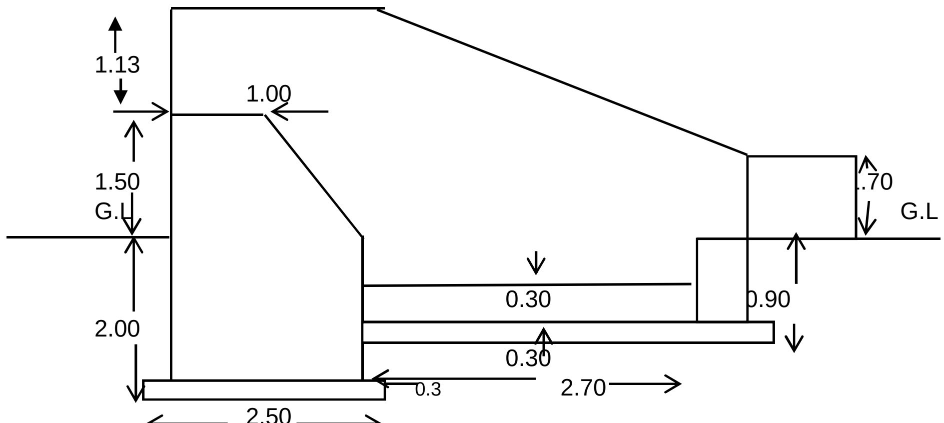
MATERIAL CONSUMPTION STAEMENT

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) mm HB (cum) 4.05,0.43,0.86	26.78	108.45	11.51	23.03		
2		R R stone masonary (1:6) Foundation/ Super structure (cum) 1.40, 0.30, 1.10	198.58	278.02	59.58			218.44
3		Cement plaster (1:6)25 mm thick (sqm) 0.153 0.03	102.04	15.61	3.06			
4		Raised &cut pointing (sqm) 0.0.32, 0.0043						
5		Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20						
6		Cement concrete coping in cement mortar1:1.5:3.75 mm thick 7.33,0.40,0.78	2.56	18.75	1.02	1.99		
7		Dry stone pitching						
			TOTAL	420.83	75.17	25.02		218.44
		SAY	421	BAGS	21.04	MT		

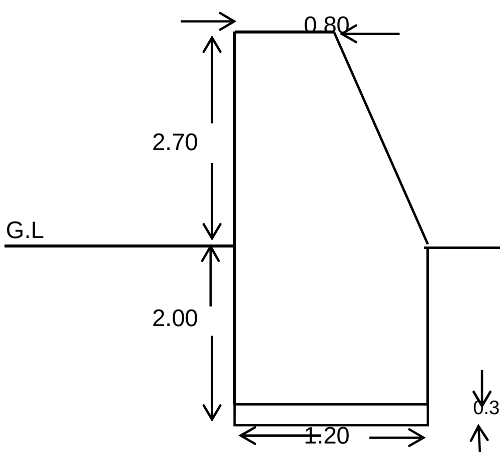


PLAN

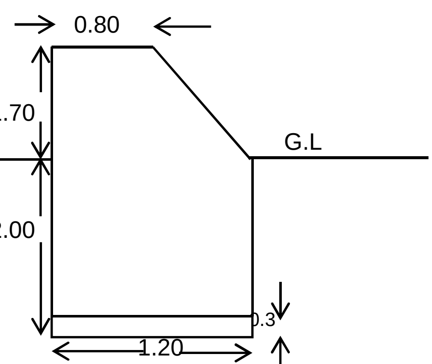




X-Section



S.W.& H.Ex- X- Sec.



W.W. X- Sec.

RAIPUR II (IWMP - XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

1-	dk; dk Ukke& 'kdu ik.M fuek.k dk;											
	in dh pkMkb 22 eh- & Åij dh pkMkb 30 eh- & xgjkb 1.2 ehVj											
2-	;kstuk dk uke&	RAIPUR II (IWMP - XVI)										
Ø- l-	dk; dk fooj.k	l0	in dk {k=Qy	Åij dk {k=Qy	vkSlr {k=Qy	xgjkb	ek=k	bdkb	nj		jkf'k	
									Je	dy	Je	;kx
1	uho] [kkb] ijukyk e 1-5 xgjkb rd feêh dh [knkb djuk] ry dk dVuk] ikuh Mkyuk] cxy dk lokjuk] [knh feêh dk ckgj fudkyuk] uho Hkju d ckn [kkyh LFkkuk dk iu% feêh l Hkjuk rFkk cph gb feêh dk 50 ehVj dh njh rd fuLrkj.k djukA it u 1 vkbVe u 2											
A-	l[r] fpduh] ddj feêh e 80 ifr- vkSlr	1	484	900	692	0.96	664.3	?ku eh-	92.00	92.00	61117	61117.44
B-	fo?kfVr pVVku @eje 20 ifr- vkSlr	1	484	900	692	0.24	166.1	?ku eh-	134.00	134.00	22255	22254.72
2	vfrfjDr fy¶V dk dk; it u 1 vkbVe u 3	1	484	484	484	0	0.00	?ku eh-	11.00	11.00	0	0.00
3	vfrfjDr yhM dk dk; it u 1 vkbVe u 4	1	484	900	692	1	692	?ku eh-	33.75	33.75	23355	23355.00
	Total								Total		106727	106727.16

tkM 3 % dfUVu tlh 3201.81

dy ;kx 109929

SAY 110000

ykxr Je en e **106700**

ykxr lkexh en e **3300**

dy ;kx **110000**

RAIPUR - II (IWMP - XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

1-	dk;Z dk Ukke& 'kdu ik.M fuek.k dk;Z											
	in dh pkSMkbZ 22 eh- & Åij dh pkSMkbZ 30 eh- & xgjkbZ 1.2 ehVj						MNREGA					
2-	;kstuk dk uke&											
Ø-l-	dk;Z dk fooj.k	l0	in dk {k=Qy	Åij dk {k=Qy	vkSlr {k=Qy	xgjkbZ	ek=k	bdkbZ	nj		jkf'k	
									Je	dy	Je	;ksx
1	uho] [kkbZ] ijukyk e 1-5 xgjkbZ rd feêh dh [kqnkbZ djuk] ry dk dVuk] ikuh Mkyuk] cxy dk lokjuk] [kqnh feêh dk ckgj fudkyuk] uho Hkjus d ckn [kkyh LFkkuk dk iuk feêh l Hkjuk rFkk cph gbZ feêh dk 50 ehVj dh njh rd fuLrkj.k djukA											
A-	l[r] fpduh] ddj feêh e 80 ifr- vkSlr	1	484	900	692	0.96	664.3	?ku eh-	92.00	92.00	61117.44	61117.44
B-	fo?kfVr pVVku @eje 20 ifr- vkSlr	1	484	900	692	0.24	166.1	?ku eh-	134.00	134.00	22254.72	22254.72
2	vfrfjDr fy¶V dk dk;Z	1	484	484	484	0	0.00	l[;k	11.00	11.00	0.00	0.00
3	vfrfjDr yhM dk dk;Z	1	484	900	692	1	692	l[;k	33.75	33.75	23355.00	23355.00
	Total								Total		106727.2	106727.16

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	45732.588	45732.59
;ksx	**152460**	**152459.75**
tkM 3 % ikuh okyk vk;k	4573.79	4573.79
;ksx	**157034**	**157033.54**
tkM 2 % dfUVu tlh		3140.67
dy ;ksx		160174
SAY		160200

ykxr Je en e	**157030**
ykxr lkexh en e	**3170**
dy ;ksx	**160200**

MASONARY CHECK DAM

1	Name of w/s :-	PALI IWMP XVI (RAIPUR - II)		
		P.S . RAIPUR	DISTT. :-	PALI (RAJ.)
2	Name of work :-	CONTRUCTION OF **WALL AT NALLA**		
1	Available crest length	6.00 M		
2	Hight of structure	1.00 M		
3	Top Width	0.6 M		
4	Bottom Width	1.40 M		1.4
5	Depth of foundation taking as	1.30 M		
6	Length of Basin	1.00 M		
7	Head wall ext.	2+2 M		

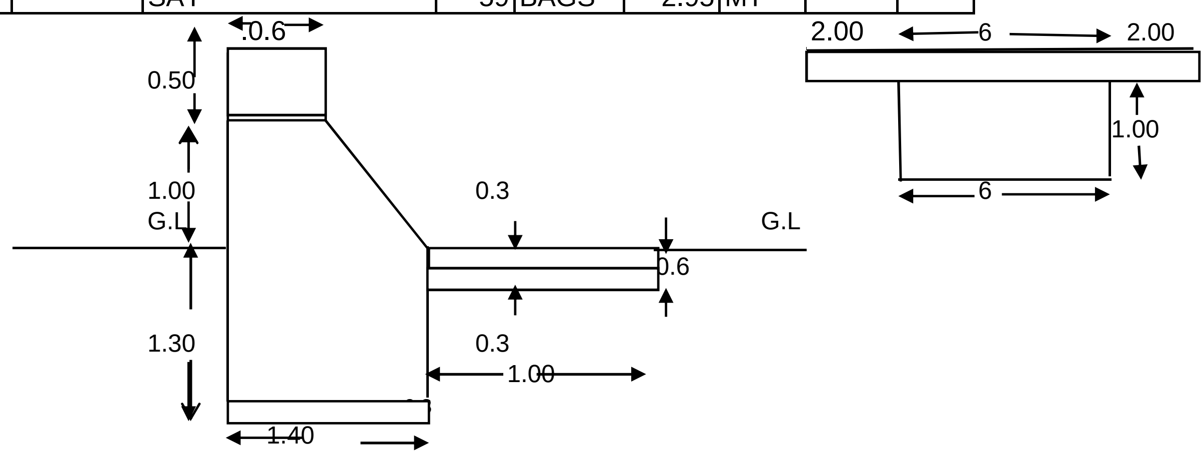
DETAILED ESTIMATE

S. No.	BSR ITEM NO.	PARTICULAR	No.	LENGTH	BREADTH	HT/DEPTH	Qty	Rate	Amount	Lab Rate	L. Amount
1		Total Excavation									
		H.W.	1.00	6.00	1.40	1.30	10.92				
		H.W.EX.	2.00	2.00	0.90	1.30	4.68				
		Apron	1.00	6.00	1.00	0.60	3.60				
					Total	(cu.m)	19.20				
2	189 (B)	Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete 100%of TotalExcavation									
					Total		19.20	92.00	1766.40	92.00	1766.40
3	192	cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 40mm. HB Total Excavation H.W.	1.00	6.00	1.40	0.30	2.52				
		H.W.EX.	2.00	2.00	0.90	0.30	1.08				
		Apron	1.00	6.00	1.00	0.30	1.80				
					Total		5.40	1862	10054.80	260.05	1404.27
4	190 (A)	Random rubble stone masonary in cement sand mortar(1:8) for foundation									
		H.W.	1.00	6.00	1.40	1.00	8.40				
		H.W.EX.	2.00	2.00	0.60	1.00	2.40				
		Apron	1.00	6.00	1.00	0.30	1.80				
					Total		12.60	1426	17967.60	402.00	5065.20
5	190 (A)	Random rubble stone masonary in cement sand mortar(1:8) forsuper structure									
		H.W.	1.00	6.00	1.00	1.00	6.00				
		H.W.EX.	2.00	2.00	0.60	1.50	3.60				
					Total		6.00	1426	8556.00	402.00	2412.00
6	70 (A)	Cement plaster including smooth finishing in cement mortar (1:6)25mm thick									
		H.W.	1.00	6.00	1.00		6.00				
			1.00	6.00	1.30		7.80				
		H.W.EX.	2.00	0.60	0.50		0.60				
		Apron	1.00	6.00	1.00		6.00				
					Total		20.40	153	3121.20	77.65	1584.06

7	194	Cement concrete coping in cement mortar1:2:4.50 mm thick									
		H.W.	1.00	6.00	0.60	0.075	0.27				
		H.W.EX.	2.00	2.00	0.60	0.075	0.18				
		Apron	1.00	6.00	1.40	0.075	0.63				
					Total		1.08	3095	3342.60	434.00	468.72
									44808.60		12700.65
		TOTAL							44808.60		
		Add 3% Contingency Charges							1344.26		
		Total METARIAL							33452.21	SAY	0.335
		Total LABOUR							12700.65	SAY	0.127
		G. TOTAL							46152.86	Say	0.46

MATERIAL CONSUMPTION STAEMENT

NAME OF WORK : RAIN WATER HARVESTING STRUCTURE								
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	5.4	21.87	2.322	4.644		
2		R R stone masonary (1:6) Foundation/ Super structure (cum) 1.40, 0.30, 1.10	18.6	26.04	5.58			20.5
3		Cement plaster (1:6)25 mm thick (sqm) 0.153 0.03	20.4	3.1212	0.612			
4		Raised &cut pointing (sqm) 0.0.32, 0.0043						
5		Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20						
6		Cement concrete coping in cement mortar1:1.5:3.75 mm thick 7.33,0.40,0.78	1.08	7.9164	0.432	0.842		
7		Dry stone pitching						
			TOTAL	58.9	8.95	5.49		20.5
		SAY	59	BAGS	2.95	MT		



X-Section

PALI IWMP - XVI (RAIPUR - II)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)

1-	dk; dk Ukke& [kMhu fuek.k dk;											
	in dh pkMkb 10 eh- & Åij dh pkMkb 20 eh- & xgjkb 2 ehVj					MNREGA						
2-	;kstuk dk uke&											
Ø-l-	dk; dk fooj.k	l0	in dk {k=Qy	Åij dk {k=Qy	vkSlr {k=Qy	xgjkb	ek=k	bdkb	nj Je	nj dy	jkf'k Je	jkf'k ;ksx
1	uho] [kkb] ijukyk e 1-5 xgjkb rd feêh dh [knkb djuk] ry dk dVuk] ikuh Mkyuk] cxy dk lokjuk] [knh feêh dk ckgj fudkyuk] uho Hkju d ckn [kkyh LFkkuk dk iuk feêh l Hkjuk rFkk cph gb feêh dk 50 ehVj dh njh rd fuLrkj.k djukA											
A-	l[r] fpduh] ddj feêh e 80 ifr- vkSlr	1	100	400	250	1.6	400	?ku eh-	92.00	92.00	36800.00	36800.00
B-	fo?kfVr pVVku @eje 20 ifr- vkSlr	1	100	400	250	0.4	100	?ku eh-	134.00	134.00	13400.00	13400.00
2	vfrfjDr fy¶V dk dk;	1	100	156.25	128.125	0.5	64.06	l[;k	11.00	11.00	704.69	704.69
3	vfrfjDr yhM dk dk;	1	100	400	250	1	250	l[;k	33.75	33.75	8437.50	8437.50
	Total								Total		59342.19	59342.19
	Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tksMuk										25428.127	25428.13
									;ksx		84770	84770.31
	tksM 3 % ikuh okyk vk;k										2543.11	2543.11
									;ksx		87313	87313.42
	tksM 2 % dfUVu tlh											1746.27
									dy ;ksx			89060
									SAY			89100
					ykxr Je en e							87310
					ykxr lkexh en e							1790
					dy ;ksx							89100

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

S.NO.	TYPE OF PLANTS	UNIT Hact.	UINT COST /Ha.	Total Cost
1	BER	5	49751	248755
2	MENGO	4	48268	193072
3	NEEBU	6	31401	188406
4	AWALA	10	49751	497510
TOTAL(C)		**25**		**1127743**
Av. Per Hac.				45110.00

Qynkj ik/kk jki.k (MNREGS)

S.NO.	TYPE OF PLANTS	UNIT Hact.	UINT COST /Ha.	Total Cost
1	BER	5	54714	273570
2	MENGO	4	52423	209692
3	NEEBU	6	37977	227862
4	AWALA	10	54714	547140
TOTAL(C)		**25**		**1258264**
Av. Per Hac.				50331.00

RAIPUR - II (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)
MODEL ESTIMATE OF HORTICULTURE PLANTATION

Aawla

Total plant	400	No	C/C	5mx5m
Thor fencing	100	Rmt/Ha		
Thor Danda	700	per ha		W/S

S.N	Details of work	Qty	Unit	Rate		Amount	
				Lc	Total	Lc	Total
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	202.50	Cum	90.95	92.00	18417.375	18630
2	Excavation of earth work for thor fencing pit size 0.15x0.15m	2.25	Cum	90.95	92.00	204.6375	207
3	Dag balling work up to 5 to 7 cm depth	100	Rmt.	1.00	1.00	100.00	100.00
4	Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt	700.00	Per 100 stick	74.30	174.00	520.10	1218.00
5	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
6	Rehandling work of thor sticks up to 200 to 500mt distance.	700.00	Per 100 stick	76.50	76.5	535.50	535.50
7	Planting work of Thor sticks in 15 cm distance.	100.00	Rmt.	6.93	6.93	693.00	693.00
8	Treatment of pits						
a	Through chemicals	400	Per plant	0.55	0.55	220.00	220.00
b	Through mannure	400	Per plant	0.27	0.27	108.00	108.00
9	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	400	Per plant	7.40	7.40	2960.00	2960.00
10	Cost of Plant including transportation	400	Per plant	0.00	21.00	0.00	8400.00
11	Making of thanwala,of 50 cm radious	400	Per plant	2.40	2.40	960.00	960.00
12	Weeding & hoeing three times in the year (400x3x3=3600)	3600	Per plant	1.20	1.20	4320.00	4320.00
13	Cost of Mannure including transportation	400	Per Kg	0.50	2.00	200.00	800.00
14	Cost of Chemical including transportation	400	Per plant	0.50	1.00	200.00	400.00
	Total					30138.61	40251.50
15	Gap filling 20%					6027.7225	8050.30
	Total					**36166.34**	**48301.80**
	Say Rs					**36166**	**48302**
	Contengency 3%						1449
	Grand total						**49751**

Labour Am	**36166**
Meterial Am	**13585**
Total Am	**49751**

RAIPUR (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF HORTICULTURE PLANTATION

Nimbu

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

S.N	Details of work	Qty	Unit	Rate		Amount	
				Lc	Total	Lc	Total
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	140.23	cum	90.95	92.00	12754.03	12901.28
2	Dag balling work up to 5 to 7 cm depth	100	Rmt.	1.00	1.00	100.00	100.00
3	Supply and cutting of 80 cm thor sticks. (7 Danda /-Rmt)	700.00	Per 100 stick	74.30	174.00	520.10	1218.00
4	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
5	Rehandling work of thor sticks up to 200 to 500mt distance.	700.00	Per 100 stick	76.50	76.50	535.50	535.50
6	Planting work of Thor sticks in 15 cm distance.	100.00	Rmt.	6.93	6.93	693.00	693.00
7	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
8	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	277	Per plant	7.40	7.40	2049.80	2049.80
9	Cost of Plant including transportation (7+2=9)	277	Per plant	0.00	9.00	0.00	2493.00
10	Making of thanwala,of 50 cm radious	277	Per plant	2.40	2.40	664.80	664.80
11	Weeding & hoeing three times in the year (277x3x3=2493)	2493	Per plant	1.20	1.20	2991.60	2991.60
12	Cost of Mannure including transportation	277	Per Kg	0.50	2.00	138.50	554.00
13	Cost of Chemical including transportation	277	Per plant	0.50	1.00	138.50	277.00
	Total					21512.97	25405.12
14	Gap filling 20%					4302.594	5081.02
	Total					**25815.57**	**30486.14**
						25816	30486
	Contengency 3%						915
	Grand total						**31401**

Labour Am	**25816**
Meterial Am	**5585**
Total Am	**31401**

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF HORTICULTURE PLANTATION

Aawla Plantation NRM **MNREGA**

Total plant 400 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	202.50	cum	90.95	92.00	18417.38	18630.00
2	Excavation of earth work for thor fencing pit size 0.15x0.15m	2.25	cum	90.95	92.00	204.64	207.00
	Total					**18622.01**	**18837.00**
	Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk					7979.5324	7979.53
	;kx					**26602**	**26816.53**
	tkM 3 % ikuh okyk vk;k					798.05	798.05
	;kx					**27400**	**27614.58**
	tkM 2 % dfUVu tlh						552.29
	dy ;kx						28167
	SAY						24181
				ykxr Je en e			**22233**
				ykxr lkexh en e			**1948**
				dy ;kx			**24181**

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF HORTICULTURE PLANTATION

Aawla Plant Prodection

Total plant	400	No	C/C	5mx5m
Thor fencing	100	Rmt/Ha		
Thor Danda	700	per ha		MNREGS

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	400	Per plant	0.49	0.49	196.00	196.00
b	Through mannure	400	Per plant	0.24	0.24	96.00	96.00
7	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	400	Per plant	6.50	6.50	2600.00	2600.00
8	Cost of Plant including transportation (14+2)=16	400	Per plant	0.00	21.00	0.00	8400.00
9	Making of thanwala,of 50 cm radious	400	Per plant	2.10	2.10	840.00	840.00
10	Weeding & hoeing three times in the year (400x3x3=1404)	3600	Per plant	1.10	1.10	3960.00	3960.00
11	Cost of Mannure including transportation	400	Per Kg	0.50	2.00	200.00	800.00
12	Cost of Chemical including transportation	400	Per plant	0.50	1.00	200.00	400.00
	Total					9879.98	20288.18
13	Gap filling 20%					1975.996	4057.64
	Total					**11855.98**	**24345.82**

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	5080.286	5080.29
;kx	**16936**	**29426.10**
tkM 3 % ikuh okyk vk;k	508.09	508.09
;kx	**17444**	**29934.19**
tkM 2 % dfUVu tlh		598.68
dy ;kx		30533
SAY		30533
ykxr Je en e		**17444**
ykxr lkexh en e		**13089**
dy ;kx		**30533**

RAIPUR - II (IWMP - XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF HORTICULTURE PLANTATION

MANGO **NRM**

Total plant 400 No MREGS

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	202.50	cum	90.00	90.00	18225.00	18225.00
2	Excavation of earth work for thor fencing pit size 0.15x0.15m	2.25	cum	90.00	90.00	202.50	202.50
	Total					**18427.50**	**18427.50**

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	7896.18375	7896.18
;kx	**26324**	**26323.68**
tkM 3 % ikuh okyk vk;k	789.71	789.71
;kx	**27113**	**27113.39**
tkM 2 % dfUVu tlh		542.27
dy ;kx		27656
SAY		24181
ykxr Je en e		**22233**
ykxr lkexh en e		**1948**
dy ;kx		**24181**

RAIPUR - II (IWMP - XVI)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
MODEL ESTIMATE OF HORTICULTURE PLANTATION

MANGO

Total plant	400	No	C/C	5mx5m
Thor fencing	100	Rmt/Ha		
Thor Danda	700	per ha		MNREGS

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	96.5	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	400	Per plant	0.49	0.49	196.00	196.00
b	Through mannure	400	Per plant	0.24	0.24	96.00	96.00
7	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	400	Per plant	6.50	6.50	2600.00	2600.00
8	Cost of Plant including transportation (14+2)=16	400	Per plant	0.00	16.00	0.00	6400.00
9	Making of thanwala,of 50 cm radious	400	Per plant	2.10	2.10	840.00	840.00
10	Weeding & hoeing three times in the year (156x3x3=1404)	3600	Per plant	1.10	1.10	3960.00	3960.00
11	Cost of Mannure including transportation	400	Per Kg	0.50	2.00	200.00	800.00
12	Cost of Chemical including transportation	400	Per plant	0.50	1.00	200.00	400.00
	Total					9967.10	18375.30
13	Gap filling 20%					1993.42	3675.06
	Total					**11960.52**	**22050.36**

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	5125.083	5125.08
;kx	**17086**	**27175.44**
tkM 3 % ikuh okyk vk;k	512.57	512.57
;kx	**17598**	**27688.01**
tkM 2 % dfUVu tlh		553.76
dy ;kx		28242
SAY		28242
ykxr Je en e		**17598**
ykxr lkexh en e		**10644**
dy ;kx		**28242**

RAIPUR (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

L.S.C.D.

S.N	Details of work	Qty	Unit	Rate		Amount	
				LC	TC	LC	TC
1	Excavation of earth work in hard soil((4+1+1)*2*.15)+(1+1)*1*1 = 3.80cum	3.50	cum	90.95	92.00	318.3	322.0
2	DRY STONE MASONARY 4*(1+2)/2*1=6.00cum	10.50	cum	320.30	847.00	3363.15	8893.50
	Total					**3681.5**	**9215.5**

tkM 3 % dfUVu tlh 276.47

dy ;kx 9491.97

SAY 9492

ykxr Je en e **3681**

ykxr lkexh en e **5811**

dy ;kx **9492**

RAIPUR (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

GABION STRUCTURE

S.N	Details of work	Qty	Unit	Rate		Amount	
				LC	TC	LC	TC
1	Excavation of earth work in hard soil((4+1+1)*2*.15)+(1+1)*1*1 = 3.80cum	3.50	cum	90.95	92.00	318.3	322.0
2	DRY STONE MASONARY 4*(1+2)/2*1=6.00cum	10.50	cum	320.30	847.00	3363.15	8893.50
3	WIRE FOR GAVIYAN	36.44	SQM	18.50	18.50	674.20	674.20
	Total					**4355.7**	**9889.7**

tkM 3 % dfUVu tlh 296.69

dy ;kx 10186.39

SAY 10186

ykxr Je en e **4356**

ykxr lkexh en e **5830**

dy ;kx **10186**

RAIPUR - II (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)
MODEL ESTIMATE OF HORTICULTURE PLANTATION

Nimbu Plants NRM

Total plant 277 No MNREGA

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	140.23	cum	90.95	92.00	12754.0	12901.3
2	Excavation of earth work for thor fencing pit size 0.15x0.15m	2.25	cum	90.95	92.00	204.64	207.00
	Total					**12958.7**	**13108.3**

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	5552.78996	5552.79
;kx	**18511**	**18661.06**
tkM 3 % ikuh okyk vk;k	555.34	555.34
;kx	**19067**	**19216.41**
tkM 2 % dfUVu tlh		384.33
dy ;kx		19601
SAY		19700
ykxr Je en e		**19070**
ykxr lkexh en e		**630**
dy ;kx		**19700**

RAIPUR - II (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF HORTICULTURE PLANTATION

Nimbu Plantation Production

Total plant	277	No	C/C	6mx6m
Thor fencing	100	Rmt/Ha		MNREGA
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 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 (7+2=9)	277	Per plant	0.00	9.00	0.00	2493.00
9	Making of thanwala,of 50 cm radious	277	Per plant	2.10	2.10	581.70	581.70
10	Weeding & hoeing three times in the year (277x3x3=2493)	2493	Per plant	1.10	1.10	2742.30	2742.30
11	Cost of Mannure including transportation	277	Per Kg	0.50	2.00	138.50	554.00
12	Cost of Chemical including transportation	277	Per plant	0.50	1.00	138.50	277.00
	Total					7478.81	11734.01
13	Gap filling 20%					1495.762	2346.80
	Total					**8974.57**	**14080.81**

Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk	3845.604102	3845.60
;kx	**12820**	**17926.42**
tkM 3 % ikuh okyk vk;k	384.61	384.61
;kx	**13205**	**18311.02**
tkM 2 % dfUVu tlh		366.22
dy ;kx		18677
SAY		18677
ykxr Je en e		**13205**
ykxr lkexh en e		**5472**
dy ;kx		**18677**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

	Name of Work :- Pasture Land Development		**(NRM)**				W/S
	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 la	Say CCT/ha.	300.00				
60	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 T				
S.no	**Particular**	**Unit**	**Quantity**	**Labour Rate**	**Total Rate**	**Labour Cost**	**Total Amount**
(A)	**Ditch cum bund**						
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	90.95	92	3143.232	3179.52
4	Ordinary Murram 30% (60X1.44X0.3=25.92)	Cum	25.92	101.95	103	2642.544	2669.76
5	Disintric Rock 30% (60X1.44X0.3=25.92)	Cum	25.92	132.8	134	3442.176	3473.28
(B)	**Thor fencing work**						
6	Excavation for thor fencing size 0.15x0.15x60 m	Cum	1.35	90.95	92	122.7825	124.20
(C)	**Counter Trench**						
7	Layout (by A-farm or dumpy level) for contouring.	Rmt.	300	1.15	1.15	345	345.00
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 Murram for trenching. (1X300X0.2025X0.60=36.45)	Cum	36.45	99	99.00	3608.55	3608.55
(D)	**Pits Work**						
40%	Pit digging in hard soil of size 45x45x45 Cm.	Per pit	120	6.8	6.8	816	816.00
60%	Pit digging in moorm soil of size 45x45x45 Cm.	Per pit	180	13.4	13.4	2412	2412.00
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
					Total	**Rs.20,304**	**Rs.20,400**
	Total					**Rs.20,304**	**20400**
	Contengency 3%						**612**
	Total Amount						**21012**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

	Name of Work :- Pasture Land Development				**(Production)**		W/S
Costing & Quantity Estimation of Pasture Land Development							
1	Ha. Area for P.D,						
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	
S.no	**Particular**	**Unit**	**Quantity**	**Labour Rate**	**Total Rate**	**Labour Cost**	**Total Amount**
(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 & Cloropairiphas (25gm per pit)	Per pit	300	0.82	0.82	246	246.00
6	Cost of Cloropairiphas (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	280.00	0	504.00
8							600.00
8	Cost of saplings	Per plant	300	0	5.00	0	1500.00
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
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	1.80	1.85	7020	7215.00
15	Transportation Cost of water up to 5 km distance.(300X13X15=58500)	Per 4000 Litre	58500.00	0	450.00	0	6581.25

S.no	Particular	Unit	Quantity	Labour Rate	Total Rate	Labour Cost	Total Amount
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	964.00	227.2	771.20
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*						
	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%)					2341.0	4190.55
					Total	**Rs.22,590**	**Rs.36,038**
						Rs.22,590	**Rs.36,038**
					Total	**Rs.22,590**	**36037.80**
	Add.3% Contengencey						1081.13
	Grand Total						**37118.93**

Total Cost/ Ha	**Labour Cost/ Ha**	**Material Cost/ Ha**
37119	22590	14529

Total Cost of Pasture Dovelopment		58131
	NRM Part	21012
	Production	37119

KHADIN & NADI IN P. D. BLOCK

1	Name of Watershed :-	PALI IWMP XVI (RAIPUR - II)				
		P.S . - RAIPUR		DISTT.	PALI (RAJ.)	
2	Name of work :-	**CONTRUCTION OF NADI (KHADIN) IN P.D. BLOCK 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	HYDROLIC DESIGN					
	Peak rate of run off in cum/sec.=					
	Q = $\frac{C\ I\ A}{36}$		C= 0.40			
				Catchment Area	20.00	Ha
	Q =	1.78	cumsec	$K = \sqrt{\frac{L^3}{H}}$		
				L=	1200.00	M
	Say	2.00	cumsec	H=	4.00	M
				K	20784.61	
				$Tc=0.0195K^{0.}$		
				41.18		
				I =	8.00	cm/hr.

B HYDROLIC DESIGN

$Q = 1.71L(h)^{3/2}$		L =	6.00	mt length available at site
$h =[Q/1.71L]^{2/3}$				
h =	0.34	Say =	0.35	
Taking free board as	0.3	M		
Total d =	0.65			

C. STRUCTURAL DESIGN

(I)	Top width of Head wall					
	$h /(p-1)^{0.5}$	0.31	0.31	say =	0.60	M
	(as per site condition where h =		0.35	m p = 2.30	0.35	
	p Specific gravty of stone masnory in cm = 2.3					
(ii)	Bottom width of head wall					
	b = 0.8H+T.W+.3	1.54		Say =	1.60	M
	H =heigth of head wall in meters =		0.8 m		0.80	M
(iii)	Length of head wall extension					
	H +d + 1	2.45			2.45	M
	d = h+free board =	0.65			0.65	M
	but as per side condition L/S M	1.5	R/S M	1.5	3.00	M
(iv)	Heigth of Head wall extension					
	H + d =				1.45	M
(v)	Botton width of HW ext. side wall & wing wall					
	0.5(H+h)=	0.58			0.60	M
(vi)	Top width of HW ext					
	0.4H=	0.32			0.60	M
(vii)	APRON WIDTH					
	=H+d	1.45			1.45	M
(viii)	Thickness of Basin =0.60m(incloding concreting)					
(ix)	Height of side wall					
	H+d =	1.45			1.45	M
(x)	Height of side wall =1.5h at W W joints					
	1.5h =	0.53			0.50	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			
	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 ancut 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 x H xLxS					
		1.10	1.10		2.20	2.43	
2		w2 = 1/2x(b-a)xHxLxS					
		0.92	0.92		1.13	1.04	
3		p_1 =wh x H					
		0.28		0.28	0.90		0.25
4		$p_2 = wH^2/2$ x H					
		0.32		0.32	0.60		0.19
5		p_3 =cxwbx(H+h)/2					
		0.46	0.46		1.80		0.83
		TOTAL	1.56	0.60		3.47	1.27

Em=mr-mo
2.19

CHECKS IN OVERTURNING
Factor of satety agaist overturning
Emr/Emo =+m/-m = Restoning moment/overturning moment
2.72
it is more than 1.50 hance structure is safe against overturning
SLINDING
Factor of safety against slinding
Ev/Eh = 2.61
it is more than 1.0 hance structure is safe against slinding
RUPTURE (safety against tension at the bese)
X Relne Position of resultant measured from toe

x = Em/Ev =	1.40
e = b/2 - X	-0.60
Ev/b (1+6e/b)	-1.29
Ev/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 most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete	2.61	75.00	cum	195.75	74.75	195.0975
2	2(c),1	Excavationinordinary murram or earth mixed with bajri and kankar or boulder dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete	7.83	92.00	cum	720.36	90.95	712.1385
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	15.66	134.00	cum	2098.44	132.80	2079.648
4	192,17	cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 20mm. HB	8.17	2062.00	cum	16850.66	332.55	2717.5986
5	27,3	Random rubble stone masonary in cement sand mortar(1:6) for foundation	14.06	1802.00	cum	25332.52	508.5	7148.493
6	28,3	Random rubble stone masonary in cement sand mortar(1:6) forsuper structure	12.64	1802.00	cum	22775.48	508.5	6426.9315
7	70,8	Cement plaster including smooth finishing in cement mortar (1:4)25mm thick	33.21	153.00	cum	5080.37	77.65	2578.3683
8	40(ii),4	Cement concrete coping in cement mortar1:2:4.100mm thick	0.99	2804.00	cum	2788.58	338.05	336.19073

9	2(b),1	E/W 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 requred profile when compacted manually or by plain roller with initial lead of 30mt and lift 1.5 mt (exeluding charges of waterring and compaction) Hard soil	3000.00	92.00	cum	276000.00		90.95	272850
			TOTAL			351842.15			295044.47
		TOTAL				351842.15			
		Add 3% Contingency Charges				10555.26			
		Total METARIAL				67352.95	SAY		**0.674**
		Total LABOUR				295044.47	SAY		**2.950**
		G. TOTAL				362397.42	Say		**3.62**

DETAILED ESTIMATE

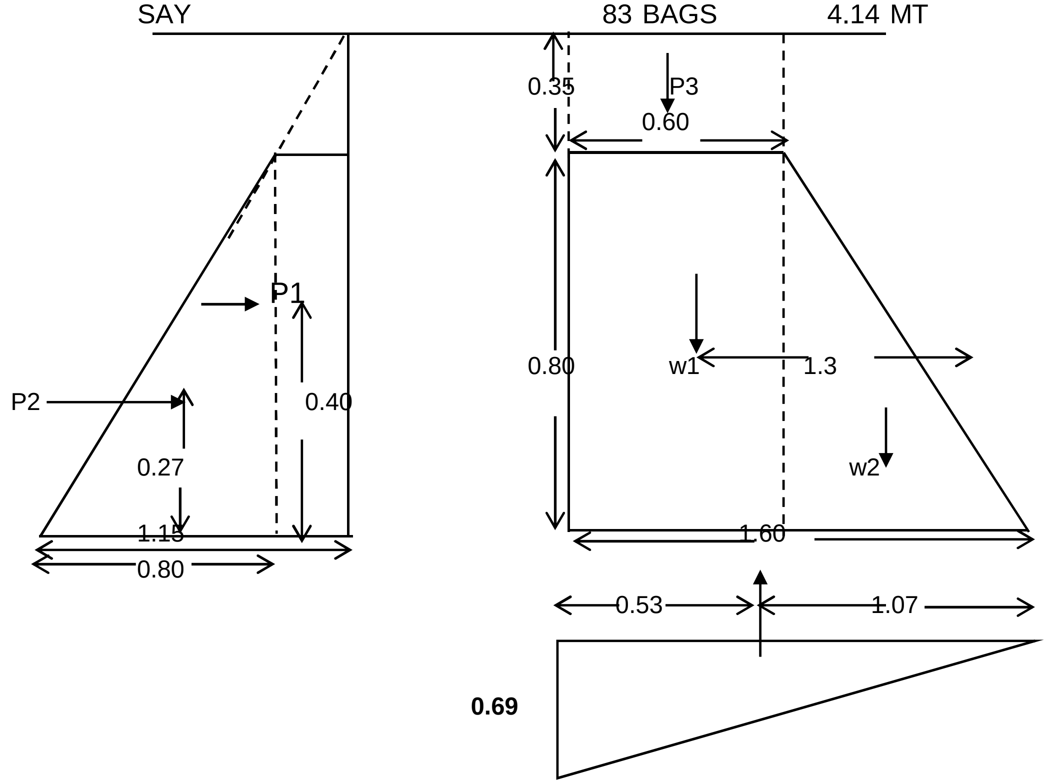
S.No.	PARTICULAR	No.	LENGTH	BREADTH	HT/DEPTH	QUANTITY
1	Total Excavation					
	H.W.	1.00	6.00	1.60	1.00	9.60
	H.W.E.	1.00	3.00	0.60	1.00	1.80
	S.W.	2.00	2.90	0.60	1.00	3.48
	wing wall	2.00	0.80	0.60	1.00	0.96
	Toe wall	1.00	6.00	0.45	0.90	2.43
	Apron	1.00	6.00	1.45	0.90	7.83
				Total	(cu.m)	26.10
2	Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete 10%of TotalExcavation					
				Total		2.61
3	Excavation in ordinary murram or earth mixed with bajri and kankar or boulder dry ormost&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete 30% of Total Excavation					
				Total		7.83
4	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 60% of Total Excavation					
				Total		15.66
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	2.00	0.80	0.60	0.30	0.29
	Toe Wall	1.00	6.00	0.45	0.30	0.81
	Apron	1.00	6.00	1.45	0.30	2.61
				Total		8.17

6	Random rubble stone masonary 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	2.00	0.80	0.60	0.70	0.67
	Toe Wall	1.00	6.00	0.45	0.60	1.62
	Apron	1.00	6.00	1.45	0.30	2.61
				Total		14.06
7	Random rubble stone masonary in cement sand mortar(1:6) forsuper 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	2.00	0.80	0.60	1.45	1.39
				Total		12.64
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 mortar1:2:4.75 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 mosit soil including laying on layers 1.5cm Breaking of clods sort ing of grass pabbles ete and dressing in requred profile when compacted manually or by plain roller with initial lead of 30mt and lift 1.5 mt (exeluding charges of waterring and compaction) Hard soil	3000				3000.00
				Total		3000.00

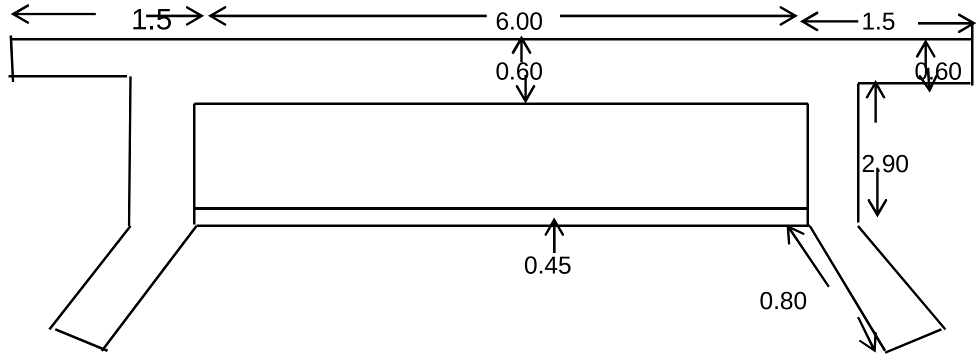
MATERIAL CONSUMPTION STAEMENT

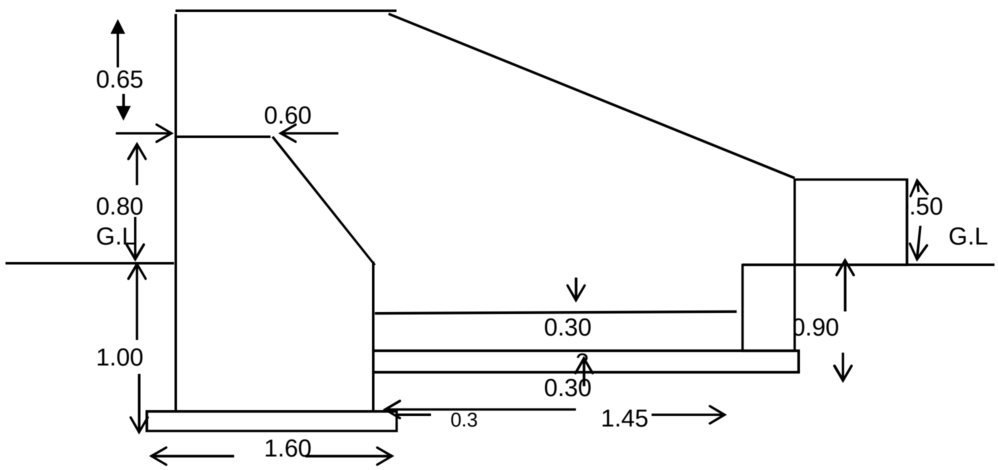
NAME OF WORK : RAIN WATER HARVESTING STRUCTURE						ANICUT		
S.no		Particular	Qty.	Cement	Sand	Aggregate		Stone
				Bags	Cum	50mm	20mm	Cum
1		Cement concrete (1:3:6) mm HB (cum) 4.05,0.43,0.86	8.17	33.10	3.51	7.03		
2		R R stone masonary (1:6) Foundation/ Super structure (cum) 1.40, 0.30, 1.10	26.70	37.38	8.01			29.37
3		Cement plaster (1:6)25 mm thick (sqm) 0.153 0.03	33.21	5.08	1.00			
4		Raised &cut pointing (sqm) 0.0.32, 0.0043						
5		Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20						
6		Cement concrete coping in cement mortar1:1.5:3.75 mm thick 7.33,0.40,0.78	0.99	7.29	0.40	0.78		
7		Dry stone pitching						
			TOTAL	82.84	12.92	7.80		29.37

SAY 83 BAGS 4.14 MT

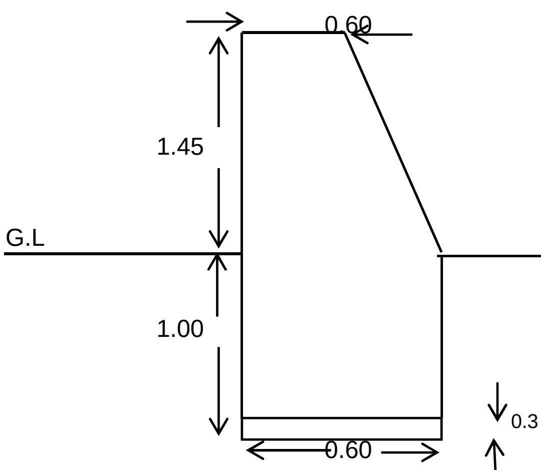


PLAN

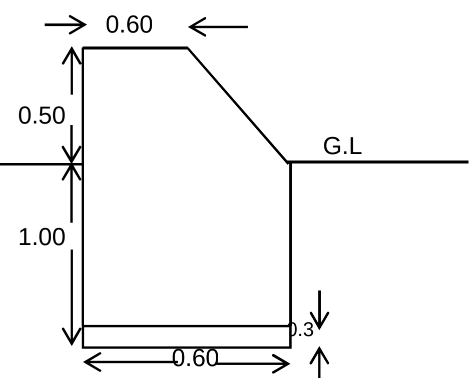




X-Section



S.W.& H.Ex- X- Sec.



W.W. X- Sec.

RAIPUR (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

OPEN LAND CONTOUR TRENCH					
Total length of CCT per ha =300 Rm/ha					
C- X= 0.2025 Cum					W/S
	Total Area in Ha	1			
S. No.	**Item**	**Quantity**	**Unit**	**Rate**	**Amount**
1	Marking of contour line through dumpy level	300	Per metre	0.34	102.00
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 BSR2012 40%	24.3	Cum	75.00	1822.50
4	Excavation of murram for CCT as per BSR2012 60%	36.45	Cum	92.00	3353.40
5	Sowing of local grass seed on bunds As per BSR2012 (3X300=900)	900	Rm	0.59	531.00
6	Grass seed				
A	Spreeding 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
	Total cost for CCT				**7395.70**
	Contengency charge 3%				**221.87**
					7617.57
	SAY Amount	**7608**	**Per Ha**		

RAIPUR (IWMP XVI)
P.S. -RAIPUR, DISTT. - PALI (RAJ.)

OPEN LAND CONTOUR TRENCH							
Total length of CCT per ha =300 Rm/ha					;ktuk & jk-xk-jk-xk-;k-		
C X= 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 BSR2012 (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 BSR201 40%	24.3	Cum	74.00	74.00	1798.20	1798.20
4	Excavation of murram for CCT as per BSR2012 60%	36.45	Cum	90.00	90.00	3280.50	3280.50
5	Sowing of local grass seed on bunds As per BSR2012 (3X300=900)	900	Rmt	0.52	0.52	468.00	468.00
6	Grass seed					0.00	0.00
A	Spreeding 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
	Total cost for CCT					**6483.30**	**7098.30**
	Je Hkkx e 30 % VkLd dh deh d dkj.k vfrfjDr tkMuk					2778.094	2778.09
	;kx					**9261**	**9876.39**
	tkM 3 % ikuh okyk vk;k					277.84	277.84
	;kx					**9539**	**10154.24**
	tkM 2 % dfUVu tlh						203.08
	dy ;kx						10357
	SAY						10400
				ykxr Je en e			**9540**
				ykxr lkexh en e			**860**
				dy ;kx			**10400**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

Road Side Plantation For MGNREGA

iFke o"k l/kkj.k

d· l·	BSR ITEM	fooj.k	bdkbZ	ek=k	nj		jk'kh	
					Je	dy	Je	dy jk'kh
1		dBkj feVVh e [kMMk [knkbZ dk; 0-60 * 0.60 *0.60=0.216 CumX200 No =43.20 Cum	Per Cum	43.20	90.95	92	3929.04	3974.4
2		dBkj feVVh e fjx [knkbZ dk;	Per Cum	118.69	90	90	10682.1	10682.1
3		xMMk e Hkju gr ckgj l ihyh feVVh d; dj ifjogu e; xMMk e Hkjkb vkSlru 20 ifr'kr xMMk e 73.8+41.70=115.50 cum	Per Cum	8.64	90	115.5	777.6	997.92
4		ik/kk [kjhn ou foHkkx dh ulj h l nk o"k dk ik/kk	ifr ik/kk	220	0	8	0.00	1760.00
5		ik/k ifjogu 20 fdeh- l vf/kd njh l	ifr 1000 ik/kk	220	195.8	2654	43.08	583.88
6		[kn g, xMMk dk dhVuk'kd nok l mipkjhr djuk A	ifr ik/kk	200	0.5	0.55	100.00	110.00
7		dhVuk'kd nok [kjhn dk;	ifr ik/kk	200	0.5	1	100.00	200.00
8		ik/kk dk jki.k	ifr ik/kk	200	3.6	3.6	720.00	720.00
9		ty lj{k.k gr Fkkoyk cukuk 50 leh- v/n0;kl eA	ifr Fkkoyk	200	2.4	2.4	480.00	480.00
10		ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr ckj	1400	1.85	1.85	2590.00	2590.00
11		ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
12		o"kk fjr e ik/kk dh nk ckj funkbZ xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
13		Fkkj Qflx dk; fjx d vUnj	Rmt	1507	18	30	27126.00	45210.00
14		ik/k d pkjk vkj rjQ 2 fe- ifjf/k dVhyh >kfM;k dh ckM yxkuk e; >kfM;k dk LFkkuh; Lrj l dkVuk -dkVdj ik/k ykdj pkjk rjQ yxkuk A	ifr ik/kk	200	8.2	8.2	1640.00	1640.00
		dy jkf'k					**48667.82**	**72578.30**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

Road Side Plantation For MGNREGA

f}rh; o"k l/kkj.k

d- l-	BSR ITEM	fooj.k	bdkb	ek=k	nj Je	nj dy	jk'kh Je	jk'kh dy jk'kh
12		f}rh; o"k iuk jki.k gr 20% jkf'k iFke o"k d ;kx dh					6807.62	10895.66
13		ik/kk dh ifux djuk A	ifr ik/kk	200	1.348	1.35	269.60	270.00
14		o"kk fjr e ik/kk dh nk ckj funkb xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
15		ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr ckj	1400	1.85	1.85	2590.00	2590.00
16		ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
		dy jkf'k					**10147.22**	**17385.66**

rrh; o"k l/kkj.k

d- l-	BSR ITEM	fooj.k	bdkb	ek=k	nj Je	nj dy	jk'kh Je	jk'kh dy jk'kh
17		ik/kk dh ifux djuk A	ifr ik/kk	200	1.348	1.35	269.60	270.00
18		o"kk fjr e ik/kk dh nk ckj funkb xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
19		ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr ckj	1400	1.85	1.85	2590.00	2590.00
20		ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
		dy jkf'k					**3339.60**	**6490.00**
		rhuk o"k dk dy ;kx					**62154.64**	**96453.96**

Total Cost/ Ha	Labour Cost/ Ha	Material Cost/ Ha	Labour cost	62155
			Add.30% reduction	26633
96454	**62155**	**34299**	Meterial	34299
			Add.3% water,Aaya	2664
			Total	**125751**
			Contengency 2%	2515
			Grand Total	**128266**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

Road Side Plantation For Watershed Scheme

iFke o"k l/kkj.k

d- l-	BSR ITEM	fooj.k	bdkb	ek=k	nj		jk'kh	
					Je	dy	Je	dy jk'kh
1	2(B)	dBkj feVVh e [kMMk [knkb dk; 0.60 * 0.60 * 0.60 = 0.216 Cum X 200 No = 43.20 Cum	Per Cum	43.20	92	92	3974.4	3974.4
2	2(B)	dBkj feVVh e fjx [knkb dk;	Per Cum	118.69	92	92	10919.5	10919.5
3		xMMk e Hkju gr ckgj l ihyh feVVh d; dj ifjogu e; xMMk e Hkjkb vkl ru 20 ifr'kr xMMk e 91+41.70=132.70 cum	Per Cum	8.64	91	132.7	786.24	1146.53
4	SP	ik/kk [kjhn ou foHkkx dh uljh l nk o"k dk ik/kk	ifr ik/kk	220	0	8	0.00	1760.00
5		ik/k ifjogu 20 fdeh- l vf/kd njh l	ifr 1000 ik/kk	220	196	2654	43.12	583.88
6	144	[kn g, xMMk dk dhVuk'kd nok l mipkjhr djuk A	ifr ik/kk	200	0.55	0.55	110.00	110.00
7		dhVuk'kd nok [kjhn dk;	ifr ik/kk	200	0.5	1	100.00	200.00
8	147	ik/kk dk jki.k	ifr ik/kk	200	3.6	3.6	720.00	720.00
9	151(A)	ty lj{k.k gr Fkkoyk cukuk 50 leh- v/n0;kl eA	ifr Fkkoyk	200	2.4	2.4	480.00	480.00
10	148	ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr	1400	1.85	1.85	2590.00	2590.00
11	SP	ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
12	150	o"kk fjr e ik/kk dh nk ckj funkb xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
13		Fkkj Qfl x dk; fjx d vUnj	Rmt	1507	24	31	36168.00	46717.00
14	154	ik/k d pkjk vkj rjQ 2 fe- ifjf/k dVhyh >kfM;k dh ckM yxkuk e; >kfM;k dk LFkkuh; Lrj l dkVuk dkVdj ik/k ykdj pkjk rjQ yxkuk A	ifr ik/kk	200	8.2	8.2	1640.00	1640.00
		dy jkf'k					**58011.24**	**74471.29**
		Contengency 3%						**2234.14**
		dy jkf'k iFke o"k						**76705.43**

RAIPUR II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

Road Side Plantation For Watershed Scheme

f}rh; o"k l/kkj.k

d· l·	BSR ITEM	fooj.k	bdkb	ek=k	nj		jk'kh	
					Je	dy	Je	dy jk'kh
12		f}rh; o"k iu% jki.k gr 20% jkf'k iFke o"k d ;kx dh					8627.10	11197.06
13		ik/kk dh ifux djuk A	ifr ik/kk	200	1.53	1.53	306.00	306.00
14	150	o"kk fjr e ik/kk dh nk ckj funkb xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
15	148	ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr ckj	1400	1.85	1.85	2590.00	2590.00
16		ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
		dy jkf'k					**12003.10**	**17723.06**
		Contengency 3%						**531.69**
		dy jkf'k f}rh; o"k					**12003.10**	**18254.75**

rrh; o"k l/kkj.k

d· l·	BSR ITEM	fooj.k	bdkb	ek=k	nj		jk'kh	
					Je	dy	Je	dy jk'kh
17		ik/kk dh ifux djuk A	ifr ik/kk	200	1.53	1.53	306.00	306.00
18	150	o"kk fjr e ik/kk dh nk ckj funkb xMkb djuk (2*200=400 No)	ifr ik/kk	400	1.2	1.2	480.00	480.00
19	148	ik/kk dk ikuh fiykuk 20 yhVj ifr ik/kk lkr ckjA 200X7=1400 No	ifr ik/kk ifr lkr ckj	1400	1.85	1.85	2590.00	2590.00
20		ikuh [kjhn e; ifjogu 200X7X20=28000 Lit.	ifr Vdj / 4000 lit	7	0	450	0.00	3150.00
							3376.00	6526.00
		Contengency 3%						**195.78**
		dy jkf'k rrh; o"k					**3376.00**	**6721.78**
		egk;kx						**101682**

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

0;olk;	**dkjhxj if'k{k.k**	
iLrkouk	;g if'k{k.k mlh LFkku ij fn;k tk;xk tgk ij fuek.k dk; py jgk gA rkfd fuek.k lkekxh dh vyx l 0;oLFkk ugh djuh iM rFkk if'k{k.k e mi;kx e yh tk jgh lkekxh dk fuek.k dk; e mi;kx e fy;k tk ld rFkk lkekxh dk vi0;; U;u gkA	
cktkj lHkkouk	xkeh.k {k= e fuek.k dk; vkokl]lMd]rkykc],uhdV bR;kfn fujUrj cur jgr gA rFkk ekx cuh jgrh gA	
foRrh; igy	1 <u>if'k{k.k 0;oLFkk¼5 if'k{k.kkFkh ½</u>	
	1 ekLVj Vuj 250@& fnu 15 fnol gr	3750.00
	2 fuek.k lkekxh tk if'k{k.k d nkjku mi;kx gkxh	5000.00
	3 vkokl ,o Hkktu 0;oLFkk 100@& ifr 0;fDr	7500.00
	2 <u>LFkkbZ ykxr</u>	
	1 Vy fdV 2000@& ifr 0;fDr	10000.00
	;ktuk dh dy ykxr	26250.00

nj vk;Dr tutkfr {k=h; fodkl foHkkx }kjk vuekfnrA

RAIPUR - II (IWMP XVI)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)

0;olk;	**flykbZ if'k{k.k**
iLrkouk	xkeh.k {k= e bl 0;olk; dh vko';drk jgrh gA gl gr efgykvk dk ikFkfedrk nh tkuk mfpr gA
ckTkj lHkkouk	fujUrj vko';drk jgrh g¼U;ure 30fnol dk if'k{k.k vko';d gA½
foRrh; igy	v&if'k{k.k 0;oLFkk¼5 if'k{k.kkFkh ½ 1 vkokl@Hkktu 0;oLFkk #- 100@& ifr 0;fDr 15000.00 2 ekLVj Vuj 300@& ifr fnol 9000.00 3 jk eVfj;y 500@&ifr 0;fDr 2500.00 3 fdjk;k jkf'k 100@&#- ifr 0;fDr 500.00 TOTAL 27000.00 c&LFkkbZ ykxr 1 iMy okyh flykbZ e'khu #- 4000@& 20000.00 2 vU; lkekxh dph]Qhrk]ckDl #- 1000@ifr lV 5000.00 3 Vcy ,o LVy 500@& #- ifr 0;fDr 2500.00 4 diMk 2000@& ifr 0;fDr 10000.00 5 byDVhd il 500@& #- ifr 0;fDr 2500.00 TOTAL 40000.00 ;kstuk dh dy ykxr 67000.00

0;olk;	**lkbfdy fdjk;k ,o ejEer**
iLrkouk	xkeh.k {k= e lkbfdy cgr mi;kx e yh tkrh g vr% LFkkuh; Lrj ij ejEer dh lfo/kk vko';d gA
if'k{k.k vko';drk	10 fnol dk if'k{k.k vko';d gA
foRrh; igy	v&if'k{k.k 0;;¼3if'k{k.kkFkh½ 1 vkokl@Hkktu 0;oLFkk #- 100@& ifr o;fDr 3000.00 2 ekLVj Vuj 300@& ifr fnol 3000.00 3 jk eVfj;y 1000.00 TOTAL 7000.00 c&LFkkbZ ykxr 1 Vy fdV 2000@&ifr lV 6000.00 2 fdjk; gr lkbfdy 3 ux ifr 0;fDr ¼9 lkbfdy½ 18000.00 3 dk; 'khy iwth o vU; 0;; 3000.00 TOTAL 27000.00 dy ykxr 34000.00

nj vk;Dr tutkfr {k=h; fodkl foHkkx }kjk vuekfnrA

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

efgyk Lo; lgk;rk leg ;ktuk

elkyk m/kkx

bdkb ykxr¼o;fDrd½

bdkb ykxr dk foLrr fooj.k

1Hkfe ,o Hkou ¼fdjk; ij½15oxehVj {k=Qy ¼doM½ rFkk yxHkx 20 oxehVj [kyh txg

2e'khu ,o midj.k

	lkekxh	ux	nj	ykxr
1	1¼10 iYojkbtj 5gklikoj 960 vkj-ih-,e- dh ekVj	1	27500.00	27500.00
	lfgr iVV dh pj[kh]vk/kkj d okYVl < bR;kfn			
2	10fdykxke {kerk dk rjktw]ckV lfgr	1	1500.00	1500.00
3	NkUu dh e'khu ykdy eM	1	600.00	600.00
4	gkV flfyx vk;ju	1	650.00	650.00
5	fo/krhdj.k [kp			1000.00
6	dk;ky; Quhpj ,o midj.k [kp			1000.00
	;kx			32250.00
3	vkorh [kp ¼ifrekg½			
1	depkjh ,o Jfed			
v-	i;o{kd	ykHkkFkh Lo; jgxk		
c-	d'ky dkjhxj	ykHkkFkh Lo; jgxk		
l-	vd'ky dkjhxj	ykHkkFkh Lo; jgxk		
2	dPpk eky ¼ifrekg½			
v-	yky fep ¼l[kh½ gYnh]/kfu;k	20 fd-xk-	380	7600.00
c-	ifdx eVfj;y			300.00
	;kx			7900.00
3	vU; [kp			
v-	fdjk;k ¼Hkfe ,o Hkou½			
c-	LV'kujh ,o ipkj&ilkj			200.00
l-	ejEer ,o j[k&j[kko			100.00
n-	ifjogu 0;;			200.00
;-	fctyh			800.00
	;kx			1300.00
4	dk;'khy iwth ¼ifrekg½			
1	dPpk eky			7900.00
2	vU; [kp			1300.00
	;kx			9200.00
4	dy iwth fuos'k			
v-	LFkkbZ iwth			33000.00
c-	dk;'khy iwth ¼ifrekg½			9200.00
	;kx			42200.00

ukV %& 1 if'k{k.k dh vko';drk ugh gA

2 d-l- 1l 6 rd of.kr e'khu ,o midj.k 5 0;fDr;k d leg rd ,d gh inku fd;k tk;xkA

nj vk;Dr tutkfr {k=h; fodkl foHkkx }kjk vuekfnrA

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

efgyk Lo; lgk;rk leg ;ktuk ¼jkf'k #i;k e½

xkeh.k dEgkjh m/kkx

bdkb ykxr ¼o;fDrd½ 22000.00

bdkb ykxr dk foLrr fooj.k

foRrh; igy

v- Hkfe ,o Hkou Lo; dk

c- e'khujh ,o midj.k

1	HkVVh 1	5000.00
2	ekVj jkb.M pkd 1	4600.00
3	Vyfdv ,o vU; 0;;	400.00
	;kx	10000.00

l- dk;ky; midj.k vkfn

n- dy vukorh 0;;

;- vkorh 0;;

1	Jfed	?kj d lg;kx djxA
2	dPpk eky	39000.00
3	vU; 0;; ¼fdjk;k]fo/kr]ty];k=k ,o	1000.00
	ifjogu]ikLVt ,o vU; 0;;	40000.00
	;kx	

ifj;ktuk ykxr

1	vukorh 0;;	10000.00
2	vkorh 0;; ¼80 fnu gr½	12000.00
	;kx	22000.00

if'k{k.k& if'k{k.k dh vko';drk ugh gA

nj vk;Dr tutkfr {k=h; fodkl foHkkx }kjk vuekfnrA

AREA IN HACT. 0.4O tyxg.k {k= e [kjhQ dh Qly in'ku

d- l-	xkao dk uke	xke ipk;r	Qly dk uke	nj	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
					d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k
1	ASAN TILORIYA	JHALA KI CHOKI	ckt jk	1883					0	0	20	37660	8	15064	5	9415	5	9415
			ex	1048					0	0	3	3144	7	7336	6	6288	3	3144
			fry	1099					5	5495	5	5495	5	5495	8	8792	5	5495
2	FATA KHERA	JHALA KI CHOKI	ckt jk	1883					2	3766	23	43309	8	15064	15	28245	2	3766
			ex	1048					0	0	5	5240	5	5240	7	7336	0	0
			fry	1099					0	0	7	7693	4	4396	2	2198	2	2198
3	KAYA BHEELA	JHALA KI CHOKI	ckt jk	1883					2	3766	55	103565	9	16947	15	28245	4	7532
			ex	1048					0	0	5	5240	6	6288	9	9432	2	2096
			fry	1099					3	3297	10	10990	4	4396	2	2198	3	3297
4	MALNI	JHALA KI CHOKI	ckt jk	1883					0	0	40	75320	8	15064	10	18830	0	0
			ex	1048					0	0	9	9432	12	12576	11	11528	0	0
			fry	1099					2	2198	5	5495	4	4396	2	2198	2	2198
5	BALOOPURA	DEEPAWAS	ckt jk	1883					0	0	26	48958	5	9415	10	18830	0	0
			ex	1048					2	2096	5	5240	5	5240	8	8384	2	2096
			fry	1099					0	0	5	5495	2	2198	5	5495	4	4396
6	DEEPAWAS	DEEPAWAS	ckt jk	1883					3	5649	30	56490	8	15064	15	28245	3	5649
			ex	1048					0	0	9	9432	9	9432	11	11528	5	5240
			fry	1099					3	3297	8	8792	3	3297	8	8792	5	5495
7	MEGARDA	DEEPAWAS	ckt jk	1883					2	3766	33	62139	8	15064	14	26362	7	13181
			ex	1048					0	0	4	4192	5	5240	9	9432	2	2096
			fry	1099					0	0	4	4396	3	3297	6	6594	2	2198
8	CHAK DEEPAWAS	KANUJA	ckt jk	1883					0	0	19	35777	3	5649	6	11298	5	9415
			ex	1048					0	0	0	0	2	2096	5	5240	5	5240
			fry	1099					2	2198	0	0	5	5495	3	3297	2	2198
9	KUSHALPURA	KUSHALPURA	ckt jk	1883					0	0	90	169470	14	26362	30	56490	5	9415
			ex	1048					5	5240	10	10480	20	20960	33	34584	5	5240
			fry	1099					3	3297	10	10990	30	32970	17	18683	8	8792

AREA IN HACT. 0.4O tyxg.k {k= e [kjhQ dh Qly in'ku

d- l-	xko dk uke	xke ipk;r	Qly dk uke	nj	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
					d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k
10	NIMBERA KALAN	NIMBERA KALAN	ckt jk	1883					6	11298	125	235375	65	122395	60	112980	6	11298
			ex	1048					5	5240	30	31440	15	15720	35	36680	5	5240
			fry	1099					4	4396	20	21980	12	13188	32	35168	4	4396
11	MAKARWALI	BAR	ckt jk	1883					0	0	36	67788	5	9415	8	15064	5	9415
			ex	1048					4	4192	7	7336	3	3144	7	7336	4	4192
			fry	1099					0	0	5	5495	5	5495	5	5495	4	4396
12	RAILMANGRA	BAR	ckt jk	1883					1	1883	25	47075	4	7532	4	7532	1	1883
			ex	1048					3	3144	0	0	3	3144	4	4192	3	3144
			fry	1099					3	3297	3	3297	1	1099	2	2198	3	3297
13	RAIPUR	RAIPUR	ckt jk	1883					5	9415	150	282450	10	18830	35	65905	5	9415
			ex	1048					10	10480	20	20960	15	15720	35	36680	10	10480
			fry	1099					10	10990	30	32970	9	9891	30	32970	10	10990

AREA IN HACT. 0.4O tyxg.k {k= e jch dh Qly in'ku

d- l-	xko dk uke	xke ipk;r	Qly dk uke	nj	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
					d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k	d"kd dh l[;k	jkf'k
1	ASAN TILORIYA	JHALA KI CHOKI	xg	2923					0	0	10	29230	5	14615	5	14615	0	0
			ljlk	1319					0	0	6	7914	3	3957	3	3957	0	0
2	FATA KHERA	JHALA KI CHOKI	xg	2923					0	0	12	35076	6	17538	3	8769	0	0
			ljlk	1319					0	0	10	13190	5	6595	0	0	0	0
3	KAYA BHEELA	JHALA KI CHOKI	xg	2923					3	8769	17	49691	5	14615	5	14615	0	0
			ljlk	1319					2	2638	10	13190	6	7914	3	3957	0	0
4	MALNI	JHALA KI CHOKI	xg	2923					2	5846	14	40922	8	23384	0	0	0	0
			ljlk	1319					2	2638	10	13190	5	6595	0	0	0	0
5	BALOOPURA	DEEPAWAS	xg	2923					0	0	10	29230	5	14615	2	5846	0	0
			ljlk	1319					0	0	6	7914	3	3957	0	0	0	0
6	DEEPAWAS	DEEPAWAS	xg	2923					3	8769	27	78921	10	29230	5	14615	0	0
			ljlk	1319					4	5276	8	10552	8	10552	4	5276	0	0
7	MEGARDA	DEEPAWAS	xg	2923					3	8769	15	43845	5	14615	4	11692	0	0
			ljlk	1319					2	2638	3	3957	3	3957	0	0	0	0
8	CHAK DEEPAWAS	KANUJA	xg	2923					0	0	6	17538	3	8769	0	0	0	0
			ljlk	1319					2	2638	3	3957	4	5276	4	5276	3	3957
9	KUSHALPURA	KUSHALPURA	xg	2923					3	8769	12	35076	10	29230	5	14615	0	0
			ljlk	1319					2	2638	8	10552	6	7914	3	3957	0	0
10	NIMBERA KALAN	NIMBERA KALAN	xg	2923					4	11692	25	73075	11	32153	9	26307	4	11692
			ljlk	1319					3	3957	15	19785	7	9233	2	2638	0	0
11	MAKARWALI	BAR	xg	2923					2	5846	11	32153	6	17538	2	5846	0	0
			ljlk	1319					3	3957	7	9233	5	6595	0	0	1	1319
12	RAILMANGRA	BAR	xg	2923					3	8769	7	20461	4	11692	0	0	0	0
			ljlk	1319					1	1319	8	10552	5	6595	3	3957	0	0
13	RAIPUR	RAIPUR	xg	2923					4	11692	12	35076	10	29230	2	5846	5	14615
			ljlk	1319					3	3957	5	6595	10	13190	3	3957	4	5276
									51	110577	277	650875	158	349554	67	155741	17	36859

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly&xg									
fdLe&jkt-3077@jkt-4037@,p-vkb153									
d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	dykjikbjhQkl 4%	k.g	31/-kg.	25	775	10.0	310.00	
2	cht		k.g	20/-kg.	125	2500	50.0	1000.00	
3	cht mipkj								
(I)	fned fu;=.k	dykjikbjhQkl 20E.C.	M.L.	330LIT.	600	180	240.0	72.00	
(II)	cht tfur jkxk d fy,	Fkkbjku	gm.	0.20/-gm.	312.5	62.5	125.0	25.00	
(B.)	dYpj								
(I)	,tkVkoDVj	rhu idV i;kIr		12/Each		36		14.40	
(II)	ih-,l-ch-	rhu idV i;kIr		12/Each		36		14.40	
(III)									
3	mojd								
(I)	u=tu		k.g		80		32.0		
(II)	QkLQkjl		k.g		35		14.0		
(III)	Mh-,-ih-		k.g	10/kg.	77	770	30.8	308.00	
(IV)	;fj;k		k.g	6/kg.	146	873.048	58.2	349.22	
4	l{e rRo	ftd lYQV	k.g	50/kg.	25	1250	10.0	500.00	
5	[kjirokj fu;=.k								
(I)		2-4,D (A.I)	M.L.	250/LIT.	500	125	200.0	50.00	
(II)									
6	ik/k lj{k.k								
(I)	fned	dykjikbjhQkl 35 EC	LIT.	280/LIT.	2.5	700	1.0	280.00	
TOTAL						**7308**		**2923.02**	

RAIPUR - II (IWMP XVI)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
ty xg.k {k= e Qly in'ku

uke Qly¼&puk

fdLe¼&irki puk@**RSG-888**

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	D;ukyQkl 1.5%	k.g	28/-kg	25	700.0	10.0	280	
2	cht		k.g	33/kg.	80	2640.0	32.0	1056	
3	cht mipkj								
(I)	tMxyu jkx	6gm. Vkbdkmek				10.0		4	
(B.)	dYpj								
(I)	jkbtkfc;e dYpj	rhu idV i;klr		12/Each		36.0		14.4	
(II)	PM.	rhu idV i;klr		12/Each		36.0		14.4	
3	mojd								
(I)	u=tu		k.g		20		8.0		
(II)	QkLQkjl		k.g		40		16.0		
(III)	Mh-,-ih-			10/kg.	88	880.0	35.2	352	
(IV)	;fj;k			6/kg.	186	1114.1	74.3	445.632	
4	[kjirokj fu;=.k								
(I)									
(II)									
5	ik/k lj{k.k								
(I)	dVoe	feFkkby ijkfFk;ku 2% p.k	k.g	17/-kg.	25	425.0	10.0	170	
(II)	QyhNnd	eykfFk;ku 5% ;k D;ukyQkl 1.5%	k.g	28/-kg.	25	700.0	10.0	280	
TOTAL						**6541.1**		**2616.43**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly&ljlk

fdLe&cck;k 902@o lU/kjk

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	dykjikbjhQkl 4% p.k	k.g	31/-kg.	25	775	10.0	310	
		ftIle	k.g		250	500	100.0	200	
2	cht		k.g	38/-kg.	4	152	1.6	61	
3	cht mipkj								
(I)		edkto 2gm./kg. cht		400/-kg.		10		4	
(II)									
(III)									
(B.)	dYpj								
(I)		rhu idV i;kIr PSD.		12/Each		36		14.4	
(II)	PSM.	rhu idV i;kIr PSD.		12/Each		36		14.4	
3	mojd								
(I)	u=tu		k.g		60		24.0		
(II)	QkLQkjl		k.g		30		12.0		
(III)	Mh-,-ih-			10/kg.	66	660	26.4	264	
(IV)	;fj;k			6/kg.	121	728.64	48.6	291.456	
4	l{e rRo	x/kdp.k	gm.	10	40	400	16.0	160	
TOTAL						**3298**		**1319**	

RAIPUR - II (IWMP XVI)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&ckt jk
fdLe¼&irki ldj ckt jk 1@uo tkr

d·l·	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	nhed dykjikbjhQkl 4% p.k	k.g	31/-kg.	25	775	10.0	310	
2	ch t		k.g	30/-kg.	20	600	8.0	240	
3	ch t mipkj								
(I)	rykfl rk jkx	fjMkfey m.z. 4gm./kg. ch t	gm.		80	120	32.0	48	
(II)	nhed fu;=.k	3m.l. dykjikbjhQkl / kg ch t		31/-kg.		25		10	
(III)		Fkkbjke	gm.	23	3	69	1.2	27.6	
(B.)	dYpj								
(I)		,tkVkoDVj dYpj l mipkfjr				100		40	
(II)	QkLQkjl	rhu idV QkLQkofDVu PSD.		12/Each		36		14.4	
(III)	PSM.	rhu idV QkLQkofDVu PSD.		12/Each		36		14.4	
3	mojd								
(I)	u=tu		k.g		60		24.0		
(II)	QkLQkjl		k.g		30		12.0		
(III)	Mh-,-ih-			10/kg.	66	660	26.4	264	
(IV)	;fj;k			6/kg.	121	728.64	48.6	291.456	
4	l{e rRo	tLr dh deh ij znso4	k.g	50/kg.	25	1250	10.0	500	
5	[kjirokj fu;=.k	500gm. ,Vktihu (A.I.)	LIT.	180/-PKT.	600	108	240.0	43	
		1.5kg. ,ykDykj				100		40	
6	ik/k lj{k.k								
(I)	,fQM	feFkkby fMeVku 25E.C.	LIT.		1	100		40	
TOTAL						**4708**		**1883**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&mMn

fdLe¼&d".kk@Vh -9

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	feFkkby ijkfFk;ku 2% p.k	k.g	17/-kg.	25	425	10.0	170	
2	cht		k.g	47/-kg.	15	705	6.0	282	
3	cht mipkj								
(I)		Fkkbjke	gm.	23	3	69	1.2	27.6	
(B.)	dYpj								
(I)	jkbtkfc;e dYpj	rhu idV i;kIr		12/Each		36		14.4	
(II)	PSM.	rhu idV i;kIr		12/Each		36		14.4	
(III)									
3	mojd								
(I)	u=tu		k.g		10		4.0		
(II)	QkLQkjl		k.g		30		12.0		
(III)	Mh-,-ih-			10/kg.	66	660	26.4	264	
(IV)	;fj;k			6/kg.	141	847.44	56.5	338.976	
4	l{e rRo								
5	[kjirokj fu;=.k	QyDykfju (A.I.)	LIT.	500/-LIT.	1	500		200	
TOTAL						**3278.44**		**1311**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&ex

fdLe¼&ilk c'kk[kh /Rmg-902

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	feFkkby ijkfFk;ku 2% p.k	k.g	17/-kg.	25	425	10.0	170	
2	cht		k.g	41/-kg.	15	615	6.0	246	
3	cht mipkj								
(I)									
(II)									
(III)									
(B.)	dYpj								
(I)	PSM.	rhu idV i;kIr		12/Each		36		14.4	
(II)	jkbtkfc;e	rhu idV i;kIr		12/Each		36		14.4	
(III)									
3	mojd								
(I)	u=tu		kg.		10		4.0		
(II)	QkLQkjl		kg.		30		12.0		
(III)	Mh-,-ih-			10/kg.	66	660	26.4	264	
(IV)	;fj;k			6/kg.	141	847.44	56.5	338.976	
4	l{e rRo								
TOTAL						**2619.44**		**1048**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&fry fdLe¼&RT.-46/TC-25									
d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	feFkkby ijkfFk;ku 2% p.k	k.g	17/-kg.	25	425	10.0	170	
		ftIle	k.g		250	500	100.0	200	
2	ch t		k.g	137/-kg.	2	274	0.8	110	
3	ch t mipkj								
(I)		Fkkbjke	gm.	23	3	69	1.2	27.6	
(II)	thok.k vxHkkjh jkx gr	LMIVk I kbfDyu 10lit. Ikkuh e	gm.	40/-idV	2	80	0.8	32	
(III)									
(B.)	dYpj								
(I)	,tkVkoDVj	rhu idV i;kIr		12/Each		36		14.4	
(II)	PSM.	rhu idV i;kIr		12/Each		36		14.4	
(III)									
3	mojd								
(I)	u=tu		k.g		20		8.0		
(II)	QkLQkjI		k.g		25		10.0		
(III)	Mh-,-ih-			10/kg.	55	550	22.0	220	
(IV)	;fj;k			6/kg.	113	678.48	45.2	271.392	
4	I{e rRo	ftIle dk i;kx							
5	[kjirokj fu;=.k	,ykDykj (A.I.)	k.g		1.5	100	0.6	40	
TOTAL						**2748.48**		**1099**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&Xokj

fdLe¼&nxkijk lQn@ilk uocgkj

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj								
2	cht		k.g	40/-kg.	15	600	6.0	240	
3	cht mipkj								
(I)	vxekjh jkx	250ppm. ,xhekbfl u		60		563		225	
(II)	Fkkbjke		gm.	23	3	69	1.2	27.6	
(III)									
(B.)	dYpj								
(I)	jkbtkfc;e dYpj	rhu idV i;klr		12/Each		36		14.4	
(II)	PSM.	rhu idV i;klr		12/Each		36		14.4	
(III)									
3	mojd								
(I)	u=tu		k.g		10		4.0		
(II)	QkLQkjl		k.g		40		16.0		
(III)	Mh-,-ih-			10/kg.	88	880	35.2	352	
(IV)	;fj;k			6/kg.	190	1137.84	75.9	455.136	
4	l{e rRo	ftd lYQV	k.g	50/-kg.	25	1250	10.0	500	
5	[kjirokj fu;=.k	2-4,D- ,LVjlkYV	gm.	250/-kg.	500	125	200.0	50	
TOTAL						**4696.84**		**1879**	

RAIPUR - II (IWMP XVI)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

ty xg.k {k= e Qly in'ku

uke Qly¼&Tokj

fdLe¼&jk tLFkku pjh& 1,2@CSH&5,6

d-l-	xfrfof/k	idkj	;fuV	nj	ifr gDV;j		in'ku gr ¼0.40g-½		fooj.k
					ek=k	jkf'k	ek=k	jkf'k	
1	Hkfe mipkj	dykjkikbjhQkl 4% p.k	k.g	31/-kg.	25	775	10.0	310	
2	cht	nku gr	k.g	30/-kg.	10	300	4.0	120	
		pkj gr	k.g		25		10.0		
3	cht mipkj								
(I)		Fkkbjke	gm.	23	3	69	1.2	27.6	
(II)		x/kdp.k	gm.	110	4	440	1.6	176	
(III)									
(B.)	dYpj								
(I)	,tkVkoDVj	rhu idV i;klr		12/Each		36		14.4	
(II)	PSM.	rhu idV i;klr		12/Each		36		14.4	
(III)									
3	mojd								
(I)	u=tu		k.g		80		32.0		
(II)	QkLQkjl		k.g		45		18.0		
(III)	Mh-,-ih-			10/kg.	99	990	39.6	396	
(IV)	;fj;k			6/kg.	186	1116	74.4	446.4	
4	l{e rRo	ftd lYQV dk i;kx	k.g	50/-kg.	25	1250	10.0	500	
TOTAL						**5012**		**2005**	

IWMP XVI (RAIPUR - II)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

xyh lyxhx dk; dk foLrr rdehuk

dk; dk uke %& xyh lyxhx ¼df"k@vdf"k Hkfe ij½ dk; dk foLrr rdehuk

;ktuk dk uke %& vkb MCY;-,e-ih-

tyxg.k {k= dk uke %& PALI - IWMP XVI (RAIPUR II) P.S. RAIPUR

d0 l0	dk; fooj.k	uki	ek=k
1	Banching of Base.	5.10 X 15 X 0.10 = 7.65	7.65 ?ku eh0
1	c.M dk y&vkmV	15 X 2 = 30.00	30.00 eh0
2	feêh o ck/k cuku dk dk; ¼feêh [knkb ,o 15&15 l eh0 ijrk e dVkb djuk bR;kfn lfgr½	(0.6+5.1)1/2 X 1.5 X 15	64.13 ?ku eh0
3	feêh d Mky ij iRFkj dk fifpx dk; ¼20 l 23 l eh0½	15 X 1.40 X 0.20 = 4.20	4.20 ox eh0

IWMP XVI (RAIPUR - II)

P.S. - RAIPUR, DISTT. - PALI (RAJ.)

xyh lyxhx dk; dk foLrr ykxr rdehuk

dk; dk uke %& xyh lyxhx ¼df"k@vdf"k Hkfe ij½ dk; dk foLrr ykxr rdehuk

;ktuk dk uke %& vkb MCY;-,e-ih-

tyxg.k {k= dk uke %& PALI - IWMP XVI (RAIPUR II) P.S. RAIPUR

d0 l0	dk; fooj.k	ek=k	nj	ifr	jkf'k :-
1	Banching of Base.	7.65	85	?ku eh0	650.25
1	c.M dk y&vkmV	30.00	0.47	eh0	14.10
2	feêh o ck/k cuku dk dk; ¼feêh [knkb ,o 15&15 leh0 ijrk e dVkb djuk bR;kfn lfgr½	64.13	85	?ku eh0	5451.05
3	feêh d Mky ij iRFkj dk fifpx dk; ¼20 l 23 leh0½	4.20	886	ox eh0	3721.20

TOTAL	**9836.60**
Add :- 3% Contingency	295.10
GRAND TOTAL	**10131.70**
Say Rs./- 0.10 Lac.	

ifr xyh lyxhx dk; dh ykxr :- 10000.00

RAIPUR - II (IWMP - XVI)
P.S. - RAIPUR, DISTT. - PALI (RAJ.)
MODEL ESTIMATE OF HORTICULTURE PLANTATION

MANGO

Total plant	400	No		W/S	
Thor fencing	100	Rmt/Ha	C/C	5mx5m	
Thor Danda	700	per ha			

S. No.	Details of work	Qty	Unit	Rate		Amount	
				Lc	Total	Lc	Total
1	Excavation of earth work in hard soil for digging of pits, 0.75 x0.75 x0.90 = 0.5062cum	202.50	Cum	92	92.00	18630.00	18630.00
2	Excavation of earth work for thor fencing pit size 0.15x0.15m	2.25	Cum	92	92.00	207.00	207.00
3	Dag balling work up to 5 to 7 cm depth	100	Rmt.	1.00	1.00	100.00	100.00
4	Supply and cutting of 80 cm thor sticks. 7 Danda /-Rmt	700.00	Per 100 stick	74.30	174.00	520.10	1218.00
5	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
6	Rehandling work of thor sticks up to 200 to 500mt distance.	700.00	Per 100 stick	76.50	76.5	535.50	535.50
7	Planting work of Thor sticks in 15 cm distance.	100.00	Rmt.	6.93	6.93	693.00	693.00
8	Treatment of pits					0.00	
a	Through chemicals	400	Per plant	0.55	0.55	220.00	220.00
b	Through mannure	400	Per plant	0.27	0.27	108.00	108.00
9	Planting of plant with rehandling upto 100m,refilling of soil & compaction etc	400	Per plant	7.40	7.40	2960.00	2960.00
10	Cost of Plant including transportation	400	Per plant	0.00	18.00	0.00	7200.00
11	Making of thanwala,of 50 cm radious	400	Per plant	2.40	2.40	960.00	960.00
12	Weeding & hoeing three times in the year (400x3x3=3600)	3600	Per plant	1.20	1.20	4320.00	4320.00
13	Cost of Mannure including transportation	400	Per Kg	0.50	2.00	200.00	800.00
14	Cost of Chemical including transportation	400	Per plant	0.50	1.00	200.00	400.00
	Total					30353.60	39051.50
15	Gap filling 20%					6070.72	7810.30
	Total					**36424.32**	**46861.80**
	Say Rs					**36424**	**46862**
	Contengency 3%						1406
	Grand total						**48268**

Labour Am	**36424**
Meterial Am	**11843**
Total Am	**48268**

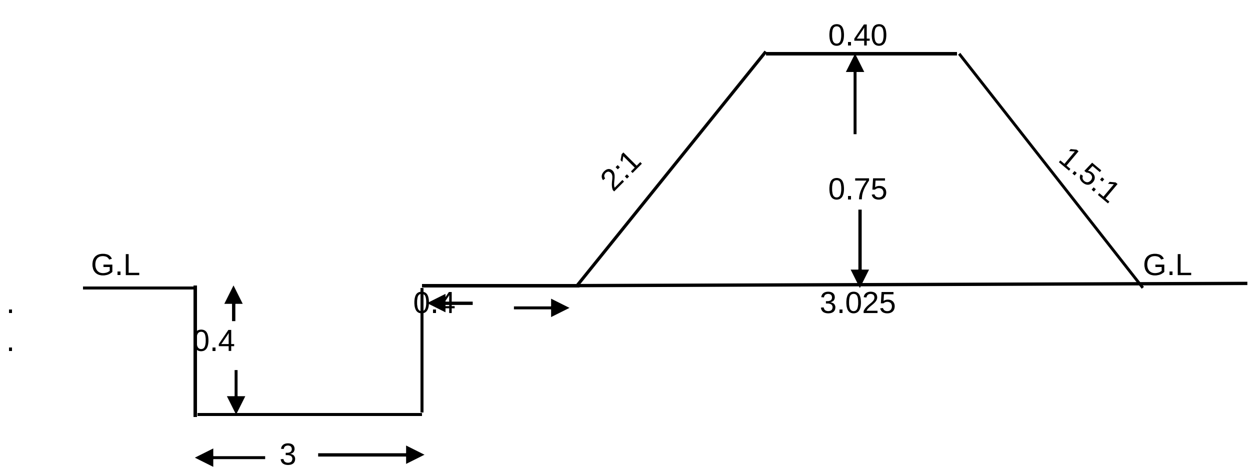
RAIPUR (IWMP XVI)

P.S. -RAIPUR, DISTT. - PALI (RAJ.)

MODEL ESTIMATE OF ARABLE LAND (CONTOUR BUND)					
Cross section of bund- 1.2844sqm					
S.No.	**Item**	**Quantity**	**Unit**	**Rate**	**Amount**
1	Dug belling work up to 5-7 cm depth	400	Rm	0.74	296.00
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	128.44	Cum	92.00	11816.48
3	Prepare pallets with composition of grass seed , fine soil and water	3	Kgs	14.20	42.60
4	Sowing of seed on bunds	300	Rm	0.49	147.00
5	Grass seed				
	Stylohemata	1	LS	38.00	38.00
	Dhaman	2	LS	40.00	80.00
					12420.08
		Contingency @ 3%			372.60
		Grand Total			**12792.68**
			Say	**12793**	

Rs **128** **PER MITER**

Avarage length per Rm/Ha = 60 Rm **Per Ha Cost** 7680.00



X-Section

Modal estimate of wasteweir in ARABLE LAND

ABSTRACT OF COST

Name of work :-Waste weir

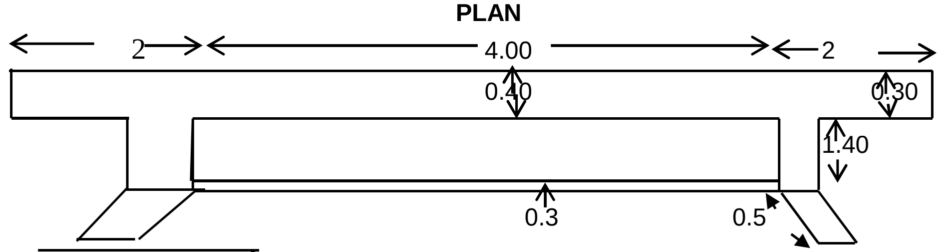
S.No	Particular	Qty.	Rate	Per	Amount	Labour Rate	L.Amount
1	Excavation in hard soil dry or most&disposal of excavated material within intial lead of 30 m and liftof 1.5m including dressing etc complete	6.55	75.00	cum	490.95	75	490.95
2	cement concrete well mixed in cement mortar(1:3:6) laid in position complete including curing Aggregate size upto 20mm. HB	1.85	2062.00	cum	3822.95	332.55	616.548
3	Random rubble stone masonary in cement sand mortar(1:6) for foundation	4.00	1802.00	cum	7211.60	508.5	2035.02
4	Random rubble stone masonary in cement sand mortar(1:6) forsuper structure	2.67	1802.00	cum	4809.09	508.5	1357.06
5	Cement plaster including smooth finishing in cement mortar (1:4)25mm thick	14.43	143.00	cum	2063.13	84.15	1214.07
6	Cement concrete coping in cement mortar1:.2:4. 100mm thick	0.27	2804.00	cum	745.86	338.05	89.9213
		TOTAL			19143.59		5803.57
7	Rehandling of cement beyond 100 m initial lead lead up to 200	1.04	61.00		63.35	61	63.3516
			TOTAL		19206.94		5866.92
	METARIAL				13340.02		
	LABOUR				5866.92		
			TOTAL		19206.94		
	Add 3% Contingency Charges				576.21		
			TOTAL Rs.		19783.15		
			Say		0.198	Lac	

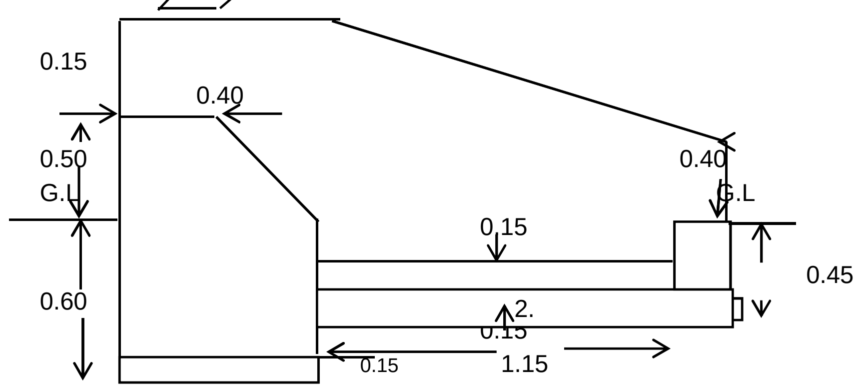
Prepared by checked by Approved by

MATERIAL CONSUMPTION STAEMENT

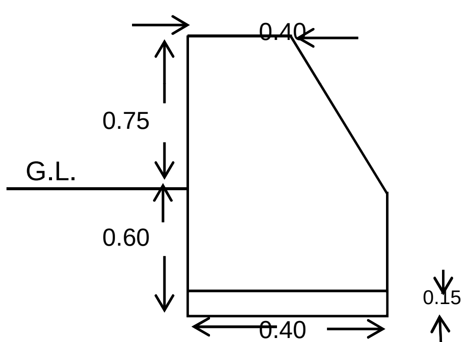
NAME OF WORK : RAIN WATER HARVESTING STRUCTURE	WASTE WEIR						
S.no	Particular	Qty.	Cement	Sand	Aggregate		Stone
			Bags	Cum	50mm	20mm	Cum
1	Cement concrete (1:4:8) mm HB (cum) 3.40,0.48,0.96	1.85	6.30	0.89	1.78		
2	R R stone masonary (1:6) Foundation/ Super structure (cum) 1.68, 0.36, 1.14	6.67	11.21	2.40			7.60
3	Cement plaster (1:6)2 mm thick (sqm) 0.108 0.0022	14.43	1.56	0.32			
4	Raised &cut pointing (sqm) 0.0.32, 0.0043						
5	Stone kharanja in cement mortar (1:6)(cum) 1.80, 0.375, 1.20						
6	Cement concrete coping in cement mortar1:2:4.75 mm thick	0.27	1.70	0.12	0.24		
7	Dry stone pitching						
		TOTAL	20.77	3.73	2.02		7.60
	SAY	21	BAGS	1.04	MT		

PLAN



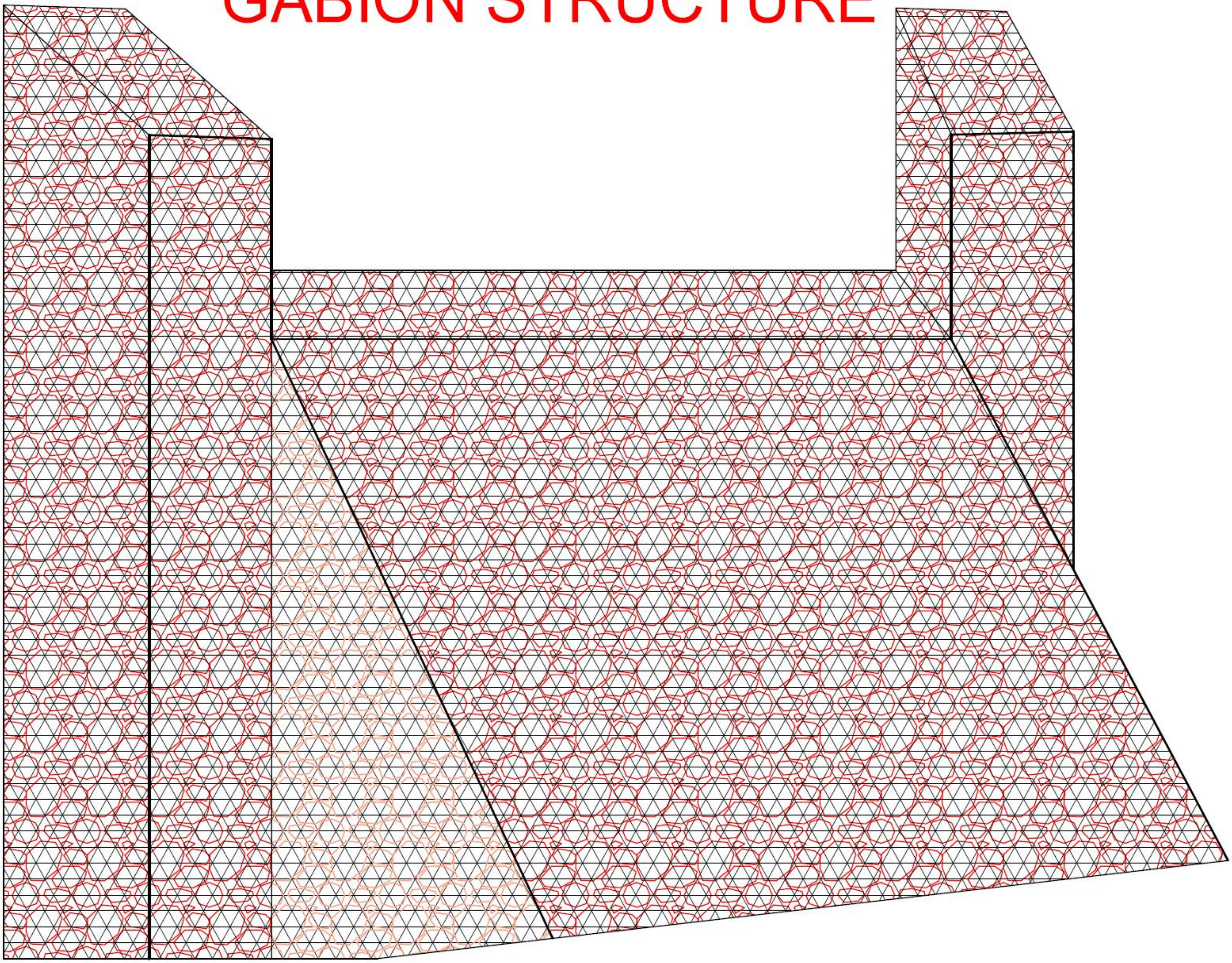


X-Section



S.W.& H.Ex- X- Sec.

GABION STRUCTURE




MAIN NALLA
P.S. - RAIPUR, DISTT. - PALI
NALLA :- M-L4
NALLA :- M-R1
NALLA :- M-L2
NALLA :- M-R2
NALLA :- M-R3
NALLA :- M-L3-L2
NALLA :- M-L3
NALLA :- M-L2-L1
NALLA :- M-L3-L1
NALLA :- M-R4
NALLA :- M-L1
NALLA :- M-L2-R1
NALLA :- M-R1-R1