INTEGRATED WATERSHED MANAGEMENT PROGRAMM
IN SAJNAM NADI WATERSHED, BLOCK- BIRDHA
(I.W.M.P.-LALITPUR- Ist)

# DETAIL PROJECT REPORT (D.P.R.)

Year : 2009-10

**Department of Land Devlopment & Water Resources, Uttar Pradesh**

**Project Implementing Agency**

**Bhoomi Sanrakshan Adhikari**

**LDWR, Lalitpur-I**

## CERTIFICATE

This is to be certified that the proposed Watershed Project (IWMP-I, Lalitpur, U.P.) comprising Seven micro-watersheds of district Lalitpur, Uttar Pradesh has been selected for its sustainable development on watershed basis under Integrated Watershed Management Programme. The land is physically available for proposed interventions and is not overlapping with any other schemes. It will be developed as per Common Guidelines for Watershed Development Project-2008, GOI, New Delhi. The significant results will be achieved through proposed interventions on soil and water conservation, ground water recharge, availability of drinking and irrigation water, agricultural production systems, live stock, fodder availability, livelihoods of asset less, capacity building, etc. The proposed **Detailed Project Report** of **IWMP-I, 2009-10** is proposed for approval.

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IWMP-I
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# EXECUTIVE SUMMARY

India is a developing country having vast diversified natural resources base. The county is claiming for overall self-sufficient in terms of food grains but the food security is in fragile situation. It has got international recognition on the standards of quality of the agriculture products. In contrast to the situation, the malnutrition and starvation deaths occur more frequently in the tribal pockets, which are being unnoticed by the rest of the society. However, the increase in population and livestock has resulted in greater need for food, fodder, fuel and fiber. The growing demand from industries and agriculture sector for employment and food security has lead to over exploitation natural resources. The food security cannot be achieved in endemic areas on a long-term basis unless otherwise the production is increased through judicious utilization of natural resources. The development programs initiated by govt. and non-govt. agencies could able to provide the relief measures to the rural communities but unable to meet the issues related to holistic development in the long run on sustainable basis. To achieve the overall goals of rural development it is critical importance to protect and improve the mountain or rain-fed upland watersheds. These rains fed areas contribute about 42% of the total food grains production as these areas are mainly occupied by the vulnerable and poor farmer's communities.

The decentralization planning policy on rural development during the eighth five year plan has laid emphasis on to take up the development activities on area basis i.e. Micro-watershed approach to achieve the objectives of sustainable development. At this critical point the concept of watershed can be defined, as the topographically delineated area that drained by stream in to a larger river. On many occasions watershed is defined as a socio-economic political unit for planning and management. The watershed management planning not only addresses the judicious utilization of natural resources. But also to provide solutions to various problems like decreased production, drought, flood control, lack of control over CPR, deforestation, lack of skill development and poor bargaining power for self-dependency of the community. Now the country has envisions the holistic development of human-plant-animal-land and water through the participatory watershed development and management to minimize the regional disparities and taking care of the environment.

**Bhomi Sanrakshan Adhikari Ram Ganga Command Project is a Governmental Organization, working with the deprived and disadvantaged groups in their search for promoting and ensuring better livelihood and quality of lives.**

The BSA is a non-profit making organization. Its philosophy rests on a non-political approach. The Centre as an intermediary organization, has committed itself to assist the underprivileged and oppressed poor in their struggle for empowerment in order to improve their socio-economic and environmental conditions. The BSA views development as a process where in importance is accorded to social as well as economic inputs and the mutual linkages for integrated development. The philosophy of BSA is oriented towards sustainable development with conservation of non-renewable natural resources, application of indigenous science and technological innovation, and judicious use of governmental resources for the larger benefit of the people.

BSA recognises the promotion of human survival values and human resources development as a key to the success of the development process.

# Foreword

DETAIL PROJECT REPORT (DPR) has been developed as a referral document for the implementation of "INTEGRATED WATERSHED MANAGEMENT PROGRAMM (IWMP) IN BETWA WATERSHED," through Department of Land Development & Water Resources, Ministry of Rural Development (MoRD), and Government of India.

Bhoomi Sanrakshan Adhikari, being chosen as one of the Government development partner implementing Agency (PIA), has taken utmost care through its intensive engagement with the selected watershed communities to reflect upon the core community issues affecting the live and livelihoods of tribal poor and explored the possible means to overcome their sufferings and offer them basket of self determined choices through the different processes of informed as well as collective participation.

Even if the concerned team members have put their best effort to prepare a candid document ensuring peoples participation, collecting all possible secondary information, this document is quite flexible one, which can be modified as per the needs of the communities in due course of time.

We along with watershed communities take this opportunity to express deep sense of gratitude and indebtedness to the Donors, all stakeholders along with government officials, functionaries of LALITPUR DISTRICT, U.P.

and Civil Society Organizations' (CSOs) sincerely deserve the great appreciation and thankfulness for their valuable cooperation and guidance, sustained interest, thoughtful and constructive criticism for the preparation of this DETAIL PROJECT REPORT (DPR)

The constant hard working, team spirit and supportive attitude of all team members of Bhomi Sanrakshan Adhikari Ram Ganga Command Project is unforgettable.

We are very much hopeful to bring desired changes among the communities with collaborative efforts.

PIA
Bhoomi Sanrakshan Adhikari
Ram Ganga Command Project
LALITPUR [UP]

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# PROJECT AT A GLANCE

**Summary of Activities Proposed (Financial)**

Project-IWMP-I PIA – LDWR, Lalitpur-I (Financial in lakh Rs.

| S. | Activity | Need based | Funds | Need of | Scheme | Convergence finalized | Remarks |
|---|---|---|---|---|---|---|---|

| No. | | requirement (Financial) | available from IWMP | Convergence/Proposal | from which convergence proposal | Scheme | Fund available | Level at which Decision taken | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Administration | 46.20 | 46.20 | - | - | - | - | - | - |
| 2 | Monitoring | 4.62 | 4.62 | - | - | - | - | - | - |
| 3 | Evaluation | 4.62 | 4.62 | - | - | - | - | - | - |
| 4 | Entry Point Activities | 18.48 | 18.48 | - | - | - | - | - | - |
| 5 | Institutional & Capacity building | 23.10 | 23.10 | - | - | - | - | - | - |
| 6 | DPR Preparation | 4.62 | 4.62 | - | - | - | - | - | - |
| 7 | Watershed Development Works | 341.84 | 258.72 | 68.958 | MNREGA | MNREGA | Nil | DRDA Lalitpur | |
| 8 | Production System | 46.20 | 46.20 | - | - | - | - | - | - |
| 9 | Livelihood activities through SHG | 41.58 | 41.58 | - | - | - | - | - | - |
| 10 | Consolidation & withdrawal phase | 13.86 | 13.86 | - | - | - | - | - | - |
| | **Total** | **545.12** | **462.00** | **68.527** | | | | | |

**CHAPTER-1**

# INTRODUCTION AND BACKGROUND

Status of watershed programme and approved plan by Steering committee, Govt. of India and status of previous Detailed Project Reports for Lalitpur district of Uttar Pradesh is given in following Tables 1.1, 1.2 and 1.3.

**Table No. 1.1: Status of watershed programme** **District-Lalitpur**

| Details | No. | Area (ha.) |
|---|---|---|
| Total Micro watersheds in the district | 713 | 503900 |
| Workable Micro watersheds | 525 | 370858 |
| Micro Watershed already treated by LDWR & other Agencies Uttar Pradesh | 343 | 241876 |
| Micro Watershed (MWS) available for treatment (At the time of start of IWMP in the district) | 182 | 128982 |

**Table1.2: Approved plan (PPRs) by Steering Committee (SC)/Govt. of India** **District-Lalitpur**

| Year | Projects | MWS | Area (Treatable) (ha) | Project Cost (Rs. Lakh) | Name of PIA | Date of Sanction by the SC. Govt. of India |
|---|---|---|---|---|---|---|
| 2009-10 | IWMP-I | 07 | 3850.00 | 462.00 | LDWR, Lalitpur-I | 16/03/2010 |
| 2009-10 | IWMP-II | 06 | 3700.00 | 444.00 | LDWR, Lalitpur-I | 16/03/2010 |
| 2009-10 | IWMP-III | 11 | 5000.00 | 600.00 | LDWR, Lalitpur-12 | 16/03/2010 |
| 2009-10 | IWMP-IV | 10 | 5000.00 | 600.00 | LDWR, Lalitpur-III | 16/03/2010 |
| **Total** | | **34** | **17550.00** | **2106.00** | | |

**Table 1:3: Status of previous DPRs**

| Sl. No. | Approved Project | Status of DPR under preparation/prepar | Treatable area | Project area (Geographical) Ha | Project cost (Lakh) | Project period (Fin. Year from……to… | PIA |
|---|---|---|---|---|---|---|---|

| | | ed/Approved by SLNA | Ha | | | | |
|---|---|---|---|---|---|---|---|
| 1 | IWMP-I | Prepared/under revision | 3850.00 | 4731.00 | 462.00 | 2010-11 to 2013-14 | LDWR, Lalitpur-I |
| | IWMP-II | Prepared/under revision | 3700.00 | 4550.00 | 444.00 | 2010-11 to 2013-14 | LDWR, Lalitpur-II |
| | IWMP-III | Prepared/under revision | 5000.00 | 7676.00 | 600.00 | 2010-11 to 2013-14 | LDWR, Lalitpur-12 |
| | IWMP-IV | Prepared/under revision | 5000.00 | 7805.00 | 600.00 | 2010-11 to 2013-14 | LDWR, Lalitpur-III |
| | **Total** | | **17550** | **24672.00** | **2106.00** | | |

**1.1 Project Background**

Integrated Watershed Management Programme-I comprises seven micro-watershed namely Khajuriya (2C2D2d2a), Satarwas (2C2D2d2c), Teela-Ist (2C2D2d2d), Mainwar-Ist (2C2D2d2k)Mainwar-IInd (2C2D2d2b), Teela-IInd (2C2D2d2e) & Singepur (2C2D2d2h). Watershed project is situated in Birdha block of District Lalitpur and spread over in 09 villages of 07 gram Panchayat. The total geographical area of the IWMP-I is 4731.00 ha, out of which 3850.00 ha is treatable under Integrated Watershed Management Programme (IWMP-I).

**Table 1.4: Details of IWMP-I for which this DPR is prepared**

| Watershed Project | Micro Watersheds (MWS) detail | Micro watersheds code | Treatable Area (ha) | Name of Watershed in which MWS is falling |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| | | | | **(River/Nala name)** |
| IWMP-I | Khajuriya | 2C2D2d2a | 635.00 | Sajnam River |
| IWMP-I | Satarwas | 2C2D2d2c | 335.00 | Sajnam River |
| IWMP-I | Teela-Ist | 2C2D2d2d | 480.00 | Sajnam River |
| IWMP-I | Mainwar_Ist | 2C2D2d2k | 460.00 | Sajnam River |
| IWMP-I | Mainwar_IInd | 2C2D2d2b | 455.00 | Sajnam River |
| IWMP-I | Teela-IInd | 2C2D2d2e | 780.00 | Sajnam River |
| IWMP-I | Singepur | 2C2D2d2h | 705.00 | Sajnam River |
| | **Total** | | **3850.00** | |

**1.2 Need and Scope for Watershed Development**

Bundelkhand region was in a grip of severe drought continuously from 2004 to 2007. In the region, more than 85 per cent of open wells were dried up due to deficit rainfall during drought. Cattle were abandoned due to shortage of water and fodder. Most part of the region was dependent on drinking water supply through tanker. Therefore, management of natural resources on watershed basis is urgent need of the region.

Watershed project was selected with following objectives:

**Long Term Objectives:**

- To optimize productivity of the land
- To restore ecological balance in degraded and fragile eco-system
- To narrow down the disparity between rainfed and irrigated areas
- To create sustained employment opportunities

**1.3 Weightage for selection of Watershed**

Watershed project was selected on the basis of criteria mentioned in Table 1.5 and composite ranking was developed on the basis of these parameters. The seventeen criteria were taken with total of 150 weightage points. The criterion taken are availability of drinking water, irrigation, degree of soil erosion, water holding capacity, area under rainfed agriculture, status of field bund/contour

bund / graded bund, presence of hard rock below the land, options for livelihood, percentage of small and marginal farmers, degraded land, ground water status, status of technical knowledge for improved farming systems, weather conditions, poverty index (% of poor population), virginity of land, productivity potential of land and soil organic carbon status. The weightage for project is about 70 per cent (Table 1.6).

**Table 1.5: Criteria and weightage for selection of watershed**

| S.No | Criteria | Maximum Score | Range and Score | | | |
|---|---|---|---|---|---|---|
| 1. | Poverty index (%of poor to population) | 10 | Above 80% (10) | 80 to 50% (7.5) | 50 to 20% (5) | Below 20% (.25) |
| 2. | % of SC/ST population | 10 | More than 40% (10) | 20 to 40% (5) | Less than 20% (3) | |
| 3. | Actual wages | 5 | Actual wages are significantly lower than minimum wages (5) | Actual wages are equal to or higher than minimum wages (0) | | |
| 4. | % of small & marginal farmers | 10 | More than 80% (10) | 50 to 80% (5) | Less than 50% (3) | |
| 5. | Ground Water status | 5 | Over exploited (5) | Critical (3) | Sub critical(2) | Safe(0) |
| 6. | Moisture index/DPAP/DDP block | 15 | -66.7 & below (15) DDP block | -33.3 to -66.6 (10) DPAP block | 0 to -33.2 (0) Non DPAP/DDP block | |
| 7. | Area under rainfed agriculture | 15 | More than 90% (15) | 80 to 90 % (10) | 70 to 80% (5) | Above 70% (Reject) |
| 8. | Drinking water | 10 | No source (10) | Problematic village (7.5) | Partially covered (5) | Fully covered (0) |
| 9. | Degraded land | 15 | High-above 20% (15) | Medium 10 to 20% (10) | Low less than 10% of TGA (5) | |
| 10. | Productivity potential of the land | 15 | Lands with low production & where productivity can be | Lands with moderate production & | Land with high production & where productivity can be | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | significantly enhanced with reasonable efforts (15) | where productivity can be enhanced with reasonable efforts (10) | marginally enhanced with reasonable efforts (5) | |
| 11. | Contiguity to another watershed that has already been developed/treated | 10 | Contiguous to previously treated watershed & contiguity within the micro watershed in the project (10) | contiguity within the micro watershed in the project but non contiguous to previously treated watershed (5) | Neither Contiguous to previously treated watershed nor contiguity within the micro watershed in the project (0) | |
| 12. | Cluster approach in the plains (more than one contiguous micro watersheds in the project) | 15 | Above 6 micro watershed in the cluster (15) | 4 to 6 micro watersheds in the cluster (10) | 2 to 4 micro watersheds in the cluster (5) | |
| 13. | Cluster approach in the hills (more than one contiguous micro watershed in the project) | 15 | Above 5 micro watershed in the cluster (15) | 3 to 5 micro watersheds in the cluster (10) | 2 to 3 micro watersheds in the cluster (5) | |

**Table 1.6: Weightage of the projectTable**

| **S.No** | **Criteria** | Weight age points |
|---|---|---|

| | | |
|---|---|---|
| 1. | Poverty index (%of poor to population) | 7.5 |
| 2. | % of SC/ST population | 5 |
| 3. | Actual wages | 5 |
| 4. | % of small & marginal farmers | 10 |
| 5. | Ground Water status | 0 |
| 6. | Moisture index/DPAP/DDP block | 10 |
| 7. | Area under rainfed agriculture | 10 |
| 8. | Drinking water | 7.5 |
| 9. | Degraded land | 10 |
| 10. | Productivity potential of the land | 15 |
| 11. | Contiguity to another watershed that has already been developed/treated | 10 |
| 12. | Cluster approach in the plains (more than one contiguous micro watersheds in the project) | 15 |
| 13. | Cluster approach in the hills (more than one contiguous micro watershed in the project) | NA |
| 14. | **Total** | 105 |

**1.4 Details of ongoing watershed programme**

Presently, no watershed development programme is going on in the micro-watershed**.**

CHAPTER-2

# GENERAL DESCRIPTION OF PROJECT AREA

## 2.1 Location:

The micro-watersheds of IWMP-I is located in Birdha block of Lalitpur district. It is about 25 km. from Lalitpur on Lalitpur to Mehroni road. Location (lat/long), Gram Panchayat, villages and its geographical area for each micro-watershed are depicted in Table 2.1. Total area of the project is 4731.00 ha, out of which 3850.00 ha is treatable. The geographical area of micro-watershed varied in the range of 453.00 to 920.00 ha.

**Table 2.1: Micro-watershed wise details of location, Gram Panchayat, villages and geographical area of IWMP- I**

| Sl. No. | Name of micro watershed with code | Latitude/Longitude | Name of GP | Name of villages | Name of Block | Area of Village included in MWS (Geographical) | Details of importand/approach with distance km. (From District HQ) |
|---|---|---|---|---|---|---|---|
| 1 | Khajuriya 2C2D2d2a | 24o97"03' 24o86"31' 78o81"13' 78o10"81' | Khajuriya<br>Singepur<br>Khitwas | Khajuriya<br>Singepur<br>Khitwas | Birdha | 678.152<br>104.151<br>13.834 | 26 Km. |
| | **Total** | | | | | **796.137** | |
| 2 | Satarwas 2C2D2d2c | | Satarwas<br>Khitwas<br>Andela | Satarwas<br>Khitwas<br>Andela | Birdha | 286.275<br>52.468<br>114.532 | 17 Km. |
| | **Total** | | | | | **453.275** | |
| 3 | Teela-Ist 2C2D2d2d | | Andela<br>Teela<br>Mainwar<br>Satarwas | Andela<br>Teela<br>Mainwar<br>Satarwas | Birdha | 68.648<br>136.268<br>304.273<br>80.570 | 24 Km. |
| | **Total** | | | | | **589.760** | |
| 4 | Mainwar_Ist 2C2D2d2k | | Mainwar<br>Andela<br>Satoura<br>Reechhpura | Mainwar<br>Andela<br>Satoura<br>Reechhpura | Birdha | 466.984<br>63.898<br>22.503<br>7.554 | 25 Km. |
| | **Total** | | | | | **560.939** | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | Mainwar_IInd 2C2D2d2b | | Mainwar<br>Andela<br>Khajuriya<br>Khitwas | Mainwar<br>Andela<br>Khajuriya<br>Khitwas | Birdha | 250.147<br>205.670<br>51.709<br>52.468 | 25 Km. |
| | **Total** | | | | | **559.994** | |
| 6 | Teela-IInd 2C2D2d2e | | Reechhpura<br>Birdha<br>Teela | Reechhpura<br>Birdha<br>Teela | Birdha | 395.268<br>171.809<br>352.944 | 24 Km. |
| | **Total** | | | | | **920.021** | |
| 7 | Singepur 2C2D2d2h | | Singepur<br>Kalothara<br>Satoura<br>Kokta | Singepur<br>Kalothara<br>Satoura<br>Kokta | Birdha | 680.059<br>96.481<br>76.205<br>23.138 | 32 Km. |
| | **Total** | | | | | **875.883** | |
| | **Grand Total** | | | | | **4731.010** | |

**2.2 Area and Landuse:** Village wise detailed information on type of land is depicted in Table 2.2. The total culturable land of the project is 4331.125 ha, out of which 481.251(11.11%) ha land is under assured irrigation mainly by means of open/bore wells.

| Sr. No. | Name of MWS with code No. | Name of village | Cultivated rainfed area | cultivated irrigated area | wasteland | | Private Agri Land | | | | Forest Land | Community land | Other | Total Area (ha |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Cultivable | Non-cultivable | Gen | SC/ST | OBC | Total | | | (Habitate, Road etc. | (Geographical) |
| 1 | Khajuriya 2C2D2d2a | Khajuriya | 546.210 | 68.276 | 150.310 | 19.197 | 125.274 | 162.856 | 338.239 | 626.368 | | 13.495 | 38.289 | 678.152 |
| | | Singepur | 79.554 | 9.944 | 21.892 | 2.796 | 19.322 | 28.983 | 48.305 | 96.609 | | 1.965 | 5.577 | 104.151 |
| | | Khitwas | 9.231 | 1.155 | 2.540 | 0.324 | 2.592 | 3.887 | 6.479 | 12.958 | | 0.228 | 0.648 | 13.834 |
| | **Total** | | **634.995** | **79.376** | **174.742** | **22.317** | **147.187** | **195.726** | **393.022** | **735.936** | | **15.688** | **44.513** | **796.137** |
| 2 | Satarwas 2C2D2d2c | Satarwas | 216.990 | 27.124 | 60.084 | 7.674 | 53.393 | 80.090 | 133.483 | 266.966 | | 4.597 | 14.712 | 286.275 |
| | | Khitwas | 35.597 | 4.450 | 9.857 | 1.259 | 9.860 | 14.790 | 24.651 | 49.301 | | 0.754 | 2.413 | 52.468 |
| | | Andela | 82.416 | 10.302 | 22.821 | 2.915 | 21.440 | 32.159 | 53.599 | 107.198 | | 1.746 | 5.588 | 114.532 |
| | **Total** | | **335.003** | **41.875** | **92.762** | **11.848** | **84.693** | **127.040** | **211.733** | **423.465** | | **7.097** | **22.713** | **453.275** |
| 3 | Teela-I 2C2D2d2d | Andela | 55.470 | 6.934 | 15.337 | 1.959 | 13.734 | 18.728 | 29.964 | 62.426 | 1.000 | 1.289 | 3.933 | 68.648 |
| | | Teeal | 110.110 | 13.764 | 30.445 | 3.888 | 25.180 | 37.771 | 62.951 | 125.902 | | 2.559 | 7.807 | 136.268 |
| | | Mainwar | 249.315 | 31.164 | 68.934 | 8.804 | 56.160 | 84.241 | 140.401 | 280.802 | | 5.795 | 17.676 | 304.273 |
| | | Satarwas | **65.104** | 8.138 | 18.001 | 2.299 | 14.888 | 22.332 | 37.221 | 74.441 | | 1.513 | 4.616 | 80.570 |
| | **Total** | | **480.000** | **60.000** | **132.717** | **16.950** | **109.963** | **163.071** | **270.537** | **543.571** | **1.000** | **11.156** | **34.032** | **589.759** |
| 4 | Mainwar-I 2C2D2d2k | Mainwar | 386.424 | 48.303 | 104.333 | 13.326 | 87.035 | 130.552 | 217.587 | 435.173 | | 7.930 | 23.881 | 466.984 |
| | | Teela | 52.875 | 6.609 | 14.276 | 1.823 | 11.909 | 17.864 | 29.773 | 59.545 | | 1.085 | 3.268 | 63.898 |
| | | Reechhpura | **18.621** | 2.328 | 5.028 | 0.642 | 4.194 | 6.291 | 10.485 | 20.970 | | 0.382 | 1.151 | 22.503 |
| | | Satuora | 2.081 | 0.260 | 0.562 | 0.072 | 1.476 | 2.215 | 3.691 | 7.382 | | 0.043 | 0.129 | 7.554 |
| | **Total** | | **460.000** | **57.500** | **124.199** | **15.863** | **104.614** | **156.921** | **261.535** | **523.071** | | **9.440** | **28.428** | **560.939** |
| 5 | Mainwar-II 2C2D2d2b | Mainwar | 204.017 | 25.502 | 55.888 | 7.138 | 46.191 | 69.287 | 115.478 | 230.956 | | 4.787 | 14.404 | 250.147 |
| | | Andela | 167.742 | 20.968 | 45.951 | 5.869 | 37.978 | 56.967 | 94.946 | 189.891 | | 3.936 | 11.843 | 205.670 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Khajuriya | 42.173 | 5.272 | 11.553 | 1.476 | 9.548 | 14.323 | 23.871 | 47.742 | | 0.990 | 2.977 | 51.709 |
| | | Khitwas | 41.068 | 5.134 | 11.250 | 1.437 | 9.721 | 14.582 | 24.303 | 48.605 | | 0.964 | 2.899 | 52.468 |
| | **Total** | | **455.000** | **56.875** | **124.642** | **15.920** | **103.439** | **155.158** | **258.597** | **517.194** | | **10.677** | **32.123** | **559.994** |
| 6 | Teela-II 2C2D2d2e | Richhpura | 336.427 | 42.053 | 92.247 | 11.782 | 62.694 | 104.490 | 181.117 | 348.301 | 16.000 | 7.754 | 23.213 | 395.268 |
| | | Birdha | **139.993** | 17.499 | 38.385 | 4.903 | 31.785 | 47.677 | 79.462 | 158.923 | | 3.227 | 9.659 | 171.809 |
| | | Tilla | 303.580 | 37.948 | 83.241 | 10.632 | 65.000 | 97.500 | 162.500 | 325.000 | | 6.997 | 20.947 | 352.944 |
| | **Total** | | **780.000** | **97.500** | **213.873** | **27.317** | **159.479** | **249.667** | **423.078** | **832.223** | **16.000** | **17.978** | **53.820** | **920.021** |
| 7 | Singepur 2C2D2d2h | Singepur | 551.958 | 68.995 | 151.938 | 19.405 | 131.857 | 175.809 | 320.224 | 627.891 | | 11.988 | 40.180 | 680.059 |
| | | Kalothra | 78.307 | 9.788 | 21.556 | 2.753 | 17.853 | 26.780 | 44.634 | 89.267 | | 1.701 | 5.513 | 96.481 |
| | | Satoura | **55.960** | 6.995 | 15.404 | 1.967 | 14.210 | 21.315 | 35.525 | 71.050 | | 1.215 | 3.940 | 76.205 |
| | | Kokta | 18.780 | 2.347 | 5.169 | 0.660 | 4.546 | 6.819 | 11.365 | 22.730 | | 0.408 | 0.000 | 23.138 |
| | **Total** | | **705.000** | **88.126** | **194.067** | **24.785** | **168.467** | **230.724** | **411.748** | **810.939** | | **15.312** | **49.632** | **875.883** |
| | **Grand Total** | | **3850.000** | **481.251** | **1057.002** | **135.000** | **877.841** | **1278.307** | **2230.250** | **4386.399** | **17.000** | **87.348** | **265.261** | **4756.008** |

*(Source : LDWR, Lalitpur-I)*

**2.3 Physiography**

The micro-watersheds of IWMP-I is situated at an elevation of some 315-319 m above mean sea level and has relief from 16 to 23 m. The watershed has a general slope of less than 1 per cent. General topography of the watershed is mild to gentle. Elevation range and relief are given in Table 2.3.

**Table 2.3: Micro-watershed wise elevation range and relief**

| **Name of MWS** | **Minimum** | **Maximum** | **Relief** |
|---|---|---|---|
| Khajuriya 2C2D2d2a | **315** | **332** | **17** |
| Satarwas 2C2D2d2c | **319** | **334** | **23** |
| Teela-Ist 2C2D2d2d | **318** | **339** | **21** |
| Mainwar_Ist 2C2D2d2k | **316** | **329** | **16** |
| Mainwar_IInd 2C2D2d2b | **318** | **341** | **23** |
| Teela-IInd 2C2D2d2e | **319** | **337** | **19** |
| Singepur 2C2D2d2h | **316** | **335** | **19** |
| | | | |

**Slope**: Spatial distribution of different slope classes was prepared using Arc GIS. Slope was divided into five classes' viz. 0-0.5, 0.5-1.0, 1-3, 3-5, and more than 5 per cent. Per cent areal extent of different slope classes in IWMP-I micro-watershed is shown in Table 2.4. The dominant slope category in the micro-watershed were 1-3 per cent (60%) followed by 3-5 per cent (21%).

**Table 2.4: Areal extent of various slope classes in the micro-watershed of IWMP-I**

| Sl. No. | Name of MWS & code | Slope range wise area (ha) | | | | | | Total project area (ha) |
|---|---|---|---|---|---|---|---|---|
| | | 0-0.5% | 0.5-1.0% | 1-3% | 3-5% | >5% | | |
| | | | | | | Undulating | Terraced | |
| 1 | Khajuriya 2C2D2d2a | 39.10 | 46.95 | 469.25 | 172.08 | 54.76 | - | 782.14 |
| 2 | Satarwas 2C2D2d2c | 33.22 | 37.35 | 249.10 | 78.90 | 16.60 | - | 415.17 |
| 3 | Teela-Ist 2C2D2d2d | 47.55 | 59.40 | 356.42 | 100.95 | 29.71 | - | 594.03 |
| 4 | Mainwar_Ist 2C2D2d2k | 44.45 | 55.60 | 339.10 | 83.40 | 33.35 | - | 555.90 |
| 5 | Mainwar_IInd 2C2D2d2b | 55.80 | 66.95 | 323.55 | 83.10 | 27.88 | - | 557.88 |
| 6 | Teela-IInd 2C2D2d2e | 95.75 | 114.90 | 574.35 | 134.05 | 38.22 | - | 957.27 |
| 7 | Singepur 2C2D2d2h | 69.50 | 104.25 | 521.15 | 130.30 | 43.41 | - | 868.61 |
| | | 385.37 | 485.40 | 2832.92 | 783.38 | 243.93 | - | 4731.01 |

## 2.4 Climate

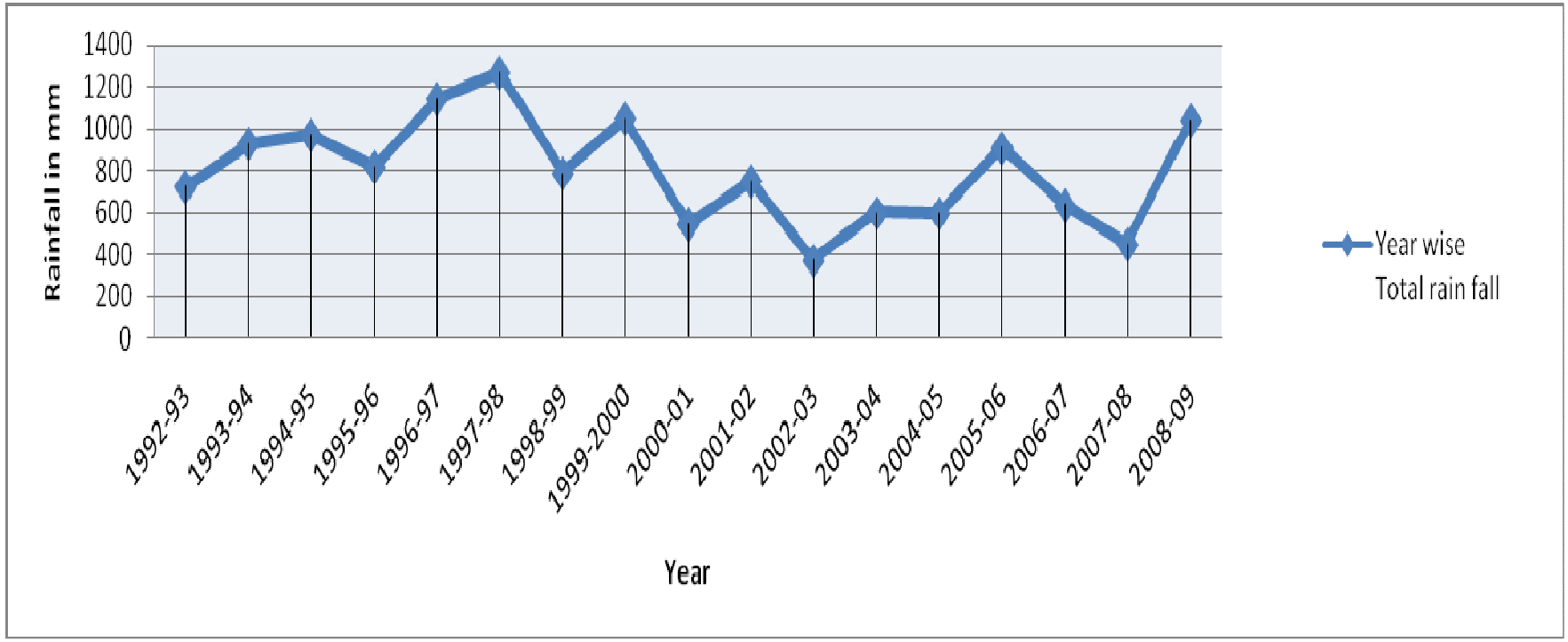
The annual rainfall of the Bundelkhand region varies from 750 to 1300 mm, about 90% of which is received during South-West monsoon period (Singh *et al*. 2002). The major part of the rainfall is received during the month of July and August. The length of growing season in Bundelkhand ranges between 90 to 150 days depending upon rainfall and temperature regimes. The winter rains are erratic, occasional, meager and uncertain. The total rainy days/year vary from 30-45 in the region with an average of 37. The distribution of rainfall is very erratic. Low rainfall and drought are common features. Long dry spells during rainy season are also experienced often, which adversely affect the crops. It has been observed that in a cycle of 5 years, 2 are normal, 2 drought years and 1 is excessive rainfall year (Tiwari *et al*. 1998).

The climate of Jhansi is characterized by a hot dry summer and cold winter and is marked for high variability of rainfall year to year. There are primarily four seasons: – Dry Summer season – from March to May i.e. before advent of monsoon, moist summer season – from June to September (Monsoon) transition period - in October and November, which is the post monsoon period, and winter season – from December to February The coldest months in the year are December and January. Average monthly rainfall and temperature

**Table 2.5: Average monthly rainfall and temperature at IWMP-I, Lalitpur**

| S. No. | Year | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1992-93 | 42 | 178 | 364 | 126 | 0 | 0 | 0 | 0 | 4 | 11 | 0 | 0 | 725 |
| 2 | 1993-94 | 20 | 125 | 264 | 444 | 14 | 0 | 0 | 37 | 5 | 0 | 22 | 0 | 931 |
| 3 | 1994-95 | 133 | 444 | 304 | 69 | 0 | 0 | 0 | 14 | 4 | 2 | 0 | 0 | 970 |
| 4 | 1995-96 | 22 | 182 | 374 | 182 | 0 | 0 | 7 | 23 | 18 | 10 | 0 | 0 | 818 |
| 5 | 1996-97 | 50 | 302 | 533 | 147 | 87 | 0 | 0 | 0 | 0 | 0 | 9 | 15 | 1143 |
| 6 | 1997-98 | 125 | 614 | 224 | 66 | 69 | 31 | 118 | 0 | 0 | 20 | 0 | 0 | 1267 |
| 7 | 1998-99 | 76 | 285 | 371 | 35 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 788 |
| 8 | 1999-2000 | 93 | 200 | 269 | 508 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1070 |
| 9 | 2000-01 | 97 | 229 | 110 | 64 | 0 | 0 | 0 | 4 | 0 | 0 | 7 | 35 | 546 |
| 10 | 2001-02 | 279 | 247 | 160 | 61 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 752 |
| 11 | 2002-03 | 70 | 62 | 236 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 374 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 2003-04 | 190 | 86 | 106 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 600 |
| 13 | 2004-05 | 109 | 54 | 303 | 57 | 38 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 598 |
| 14 | 2005-06 | 41 | 716 | 104 | 42 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 909 |
| 15 | 2006-07 | 75 | 293 | 167 | 55 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 635 |
| 16 | 2007-08 | 56 | 193 | 171 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 450 |
| 17 | 2008-09 | 582 | 153 | 179 | 81 | 0 | 6 | 0 | 25 | 0 | 0 | 0 | 15 | 1041 |



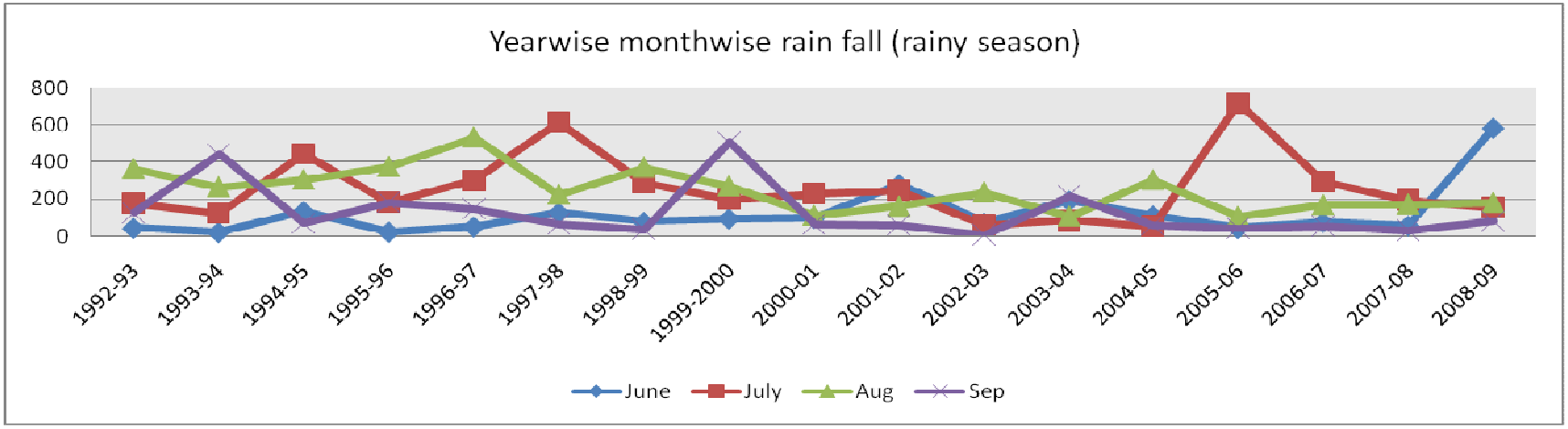



**Table 2.6: Cumulative yearly rainfall minimum and minimum temperature at Lalitpur**

| Year | Rainfall (mm) | Average Maximum Temp.(C) | Average Minimum Temp.(C) |
|---|---|---|---|
| 1992-93 | 725 | 32.0 | 17.2 |
| 1993-94 | 931 | 32.2 | 17.2 |
| 1994-95 | 970 | 32.5 | 17.4 |
| 1995-96 | 818 | 31.7 | 18.0 |
| 1996-97 | 1143 | 32.0 | 17.2 |
| 1997-98 | 1267 | 32.2 | 17.2 |
| 1998-99 | 788 | 32.5 | 17.4 |
| 1999-2000 | 1070 | 31.7 | 18.0 |
| 2000-01 | 546 | 32.5 | 17.4 |
| 2001-02 | 752 | 31.7 | 18.0 |
| 2002-03 | 374 | 31.7 | 18.0 |
| 2003-04 | 600 | 32.0 | 17.2 |
| 2004-05 | 598 | 32.2 | 17.2 |
| 2005-06 | 909 | 32.5 | 18.2 |
| 2006-07 | 635 | 33.4 | 17.6 |
| 2007-08 | 450 | 36.2 | 18.3 |
| 2008-09 | 1041 | 38.3 | 19.0 |

**Table 2.7: Monthwise Temprature of current year 2011 (Digree Centigrate)**

| Day | Jan | | Feb | | Mar | | Apr | | May | | Jun | | Jul | | Aug | | Sep | | Oct | | Nev | | Dec | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
| 1 | 22 | 6 | 25 | 10 | 30 | 16 | 37 | 20 | 43 | 27 | 41 | 30 | 32 | 24 | 31 | 24 | 33 | 25 | 34 | 20 | 33 | 16 | 28 | 12 |
| 2 | 23 | 5 | 27 | 9 | 32 | 13 | 37 | 21 | 41 | 26 | 40 | 27 | 34 | 24 | 33 | 25 | 31 | 25 | 34 | 20 | 33 | 16 | 27 | 12 |
| 3 | 20 | 5 | 29 | 11 | 34 | 16 | 36 | 22 | 41 | 26 | 39 | 25 | 34 | 25 | 32 | 25 | 31 | 24 | 33 | 17 | 33 | 17 | 29 | 13 |
| 4 | 22 | 1 | 31 | 11 | 32 | 13 | 35 | 18 | 41 | 27 | 42 | 29 | 36 | 25 | 28 | 24 | 30 | 23 | 33 | 19 | 34 | 16 | 30 | 15 |
| 5 | 23 | 3 | 32 | 13 | 30 | 15 | 35 | 16 | 40 | 27 | 44 | 29 | 35 | 25 | 31 | 24 | 30 | 24 | 35 | 19 | 34 | 17 | 31 | 16 |
| 6 | 23 | 4 | 32 | 13 | 32 | 16 | 37 | 17 | 41 | 27 | 44 | 29 | 31 | 23 | 29 | 24 | 32 | 24 | 34 | 22 | 34 | 17 | 32 | 17 |
| 7 | 26 | 4 | 32 | 14 | 33 | 16 | 38 | 22 | 44 | 26 | 45 | 31 | 33 | 25 | 25 | 23 | 30 | 24 | 36 | 21 | 33 | 17 | 32 | 16 |
| 8 | 26 | 6 | 27 | 14 | 35 | 17 | 37 | 21 | 41 | 26 | 44 | 29 | 34 | 24 | 27 | 23 | 27 | 23 | 36 | 21 | 32 | 17 | 31 | 17 |
| 9 | 24 | 7 | 28 | 12 | 32 | 17 | 38 | 21 | 43 | 26 | 40 | 25 | 31 | 23 | 29 | 23 | 31 | 23 | 36 | 21 | 32 | 15 | 30 | 16 |
| 10 | 22 | 5 | 28 | 12 | 31 | 15 | 39 | 22 | 43 | 26 | 38 | 26 | 30 | 23 | 28 | 24 | 27 | 23 | 35 | 21 | 33 | 17 | 25 | 12 |
| 11 | 25 | 5 | 30 | 13 | 30 | 15 | 39 | 28 | 43 | 28 | 43 | 27 | 30 | 24 | 29 | 23 | 28 | 24 | 34 | 20 | 33 | 17 | 25 | 7 |
| 12 | 26 | 7 | 32 | 14 | 31 | 13 | 39 | 24 | 43 | 26 | 41 | 29 | 34 | 24 | 29 | 23 | 31 | 23 | 35 | 20 | 32 | 18 | 24 | 8 |
| 13 | 30 | 9 | 32 | 16 | 34 | 13 | 36 | 23 | 44 | 28 | 39 | 27 | 34 | 25 | 31 | 24 | 32 | 24 | 35 | 19 | 32 | 18 | 24 | 8 |
| 14 | 27 | 11 | 31 | 17 | 36 | 15 | 37 | 23 | 44 | 28 | 41 | 25 | 32 | 25 | 28 | 24 | 33 | 24 | 36 | 20 | 32 | 17 | 26 | 8 |
| 15 | 25 | 11 | 31 | 15 | 35 | 19 | 39 | 23 | 44 | 26 | 35 | 24 | 33 | 25 | 30 | 24 | 32 | 25 | 36 | 21 | 32 | 15 | 26 | 9 |
| 16 | 21 | 4 | 25 | 15 | 37 | 17 | 40 | 23 | 45 | 28 | 37 | 26 | 31 | 24 | 29 | 24 | 32 | 23 | 35 | 19 | 32 | 14 | 26 | 9 |
| 17 | 25 | 5 | 24 | 13 | 39 | 18 | 42 | 25 | 45 | 28 | 39 | 28 | 27 | 24 | 31 | 23 | 31 | 24 | 36 | 19 | 32 | 15 | 25 | 9 |
| 18 | 27 | 9 | 25 | 10 | 39 | 19 | 38 | 24 | 45 | 28 | 32 | 24 | 31 | 23 | 31 | 24 | 31 | 23 | 36 | 19 | 33 | 15 | 26 | 9 |
| 19 | 24 | 8 | 26 | 10 | 39 | 19 | 38 | 24 | 44 | 28 | 38 | 24 | 29 | 25 | 31 | 23 | 31 | 22 | 34 | 18 | 33 | 15 | 26 | 8 |
| 20 | 23 | 7 | 26 | 13 | 37 | 19 | 36 | 20 | 44 | 28 | 34 | 22 | 27 | 22 | 31 | 24 | 32 | 23 | 34 | 17 | 33 | 15 | 27 | 10 |
| 21 | 27 | 7 | 27 | 12 | 36 | 18 | 38 | 23 | 42 | 28 | 33 | 25 | 26 | 24 | 32 | 24 | 31 | 22 | 34 | 18 | 31 | 15 | 27 | 10 |
| 22 | 29 | 9 | 27 | 11 | 38 | 18 | 38 | 20 | 40 | 26 | 26 | 23 | 25 | 23 | 34 | 24 | 32 | 21 | 33 | 17 | 28 | 14 | 27 | 11 |
| 23 | 29 | 12 | 30 | 13 | 36 | 19 | 40 | 20 | 41 | 24 | 28 | 23 | 27 | 23 | 32 | 25 | 33 | 21 | 34 | 17 | 28 | 15 | 27 | 9 |
| 24 | 26 | 12 | 30 | 15 | 36 | 18 | 40 | 22 | 42 | 27 | 26 | 23 | 27 | 24 | 32 | 24 | 33 | 22 | 35 | 18 | 28 | 15 | 26 | 9 |
| 25 | 24 | 12 | 27 | 14 | 36 | 19 | 42 | 21 | 43 | 29 | 34 | 23 | 30 | 24 | 33 | 24 | 33 | 22 | 35 | 18 | 28 | 14 | 26 | 9 |
| 26 | 26 | 11 | 29 | 14 | 36 | 17 | 42 | 24 | 43 | 30 | 27 | 23 | 34 | 24 | 31 | 23 | 33 | 22 | 34 | 17 | 28 | 15 | 25 | 10 |
| 27 | 25 | 8 | | | 38 | 21 | 40 | 23 | 42 | 25 | 29 | 24 | 35 | 26 | 32 | 24 | 32 | 22 | 33 | 17 | 29 | 15 | 25 | 10 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 24 | 8 | | | 39 | 19 | 41 | 24 | 43 | 29 | 25 | 23 | 32 | 25 | 32 | 25 | 33 | 21 | 33 | 16 | 28 | 14 | 24 | 8 |
| 29 | 25 | 10 | | | 38 | 20 | 42 | 26 | 42 | 28 | 26 | 23 | 33 | 24 | 32 | 25 | 33 | 21 | 32 | 16 | 28 | 13 | 23 | 7 |
| 30 | 26 | 9 | | | 37 | 21 | 42 | 25 | 43 | 29 | 31 | 23 | 31 | 24 | 32 | 24 | 34 | 21 | 33 | 15 | 28 | 12 | 24 | 7 |
| 31 | 25 | 10 | | | 37 | 20 | | | 44 | 28 | | | 32 | 24 | 33 | 25 | | | 32 | 16 | | | 25 | 12 |
| Average | 24.8 | 7.42 | 26.5 | 11.9 | 35 | 17.1 | 38.6 | 22.2 | 42.7 | 27.2 | 36 | 25.6 | 31.3 | 24.1 | 30.6 | 23.9 | 31.4 | 22.9 | 34.4 | 18.6 | 31.3 | 15.5 | 26.7 | 10.7 |

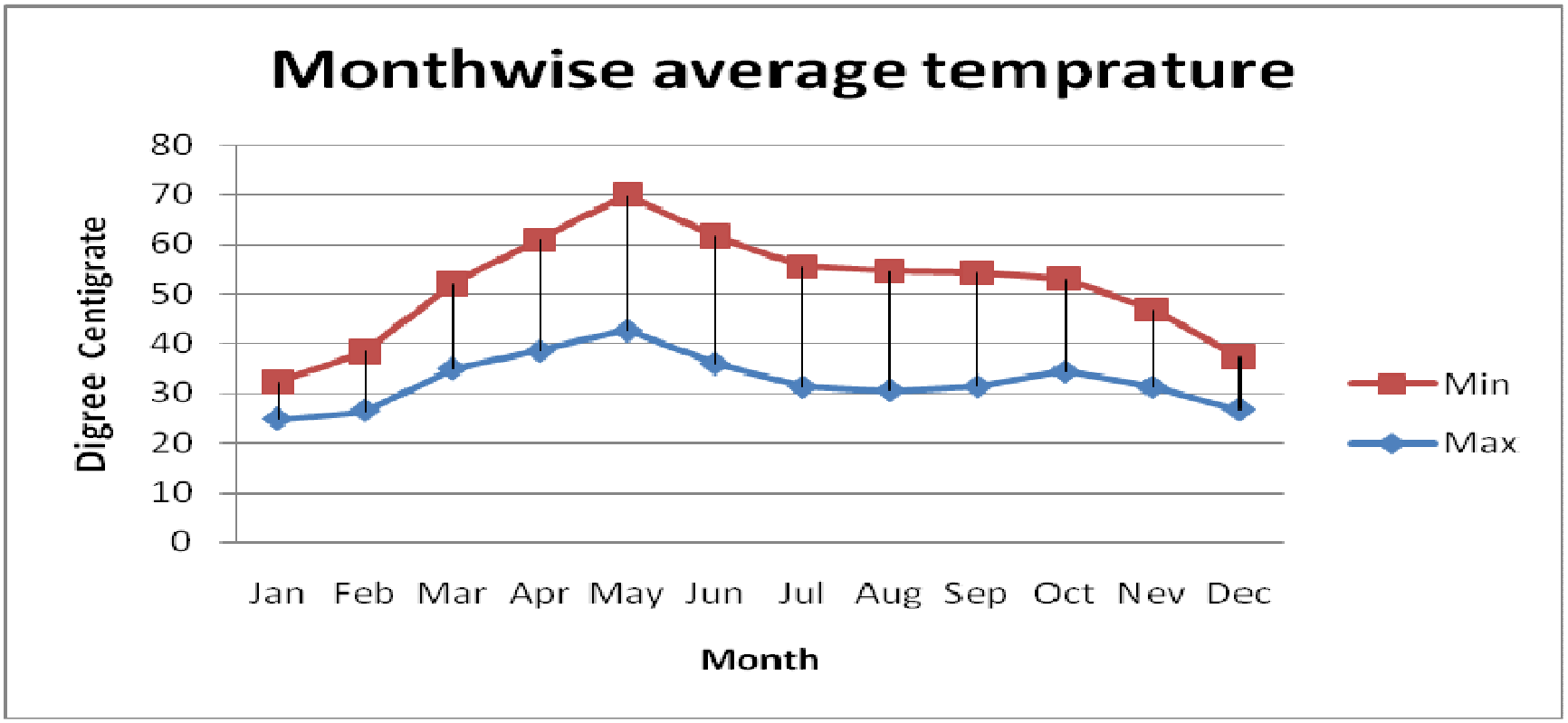


**Table 2.8: Details of flood and drought in the project area (IWMP-I, Lalitpur) Project IWMP-I**

| Name of micro watershed | Particulars | Villages | Periodicity | | Not affected |
|---|---|---|---|---|---|
| | | | Annual | Any other (please specify) | |
| Khajuriya<br>Satarwas<br>Teela-Ist<br>Mainwar-Ist<br>Mainwar-IInd<br>Teela-IInd<br>Singepur | Flood | No. of villages | | | |
| | | Name of Villages | | | |
| | Drought | No. of Villages: 09 | Recurrence 2-3 Years | | |
| | | Name of villages : Satarwas, Andela, Mainwar, Teela, Singepur, Reechhpura, Satoura, Kokta, Kalothra | | | |

CHAPTER-3

# BASELINE SURVEY AND PARTICIPATORY RURAL APPRAISAL

Participatory rural appraisal (PRA) is a tool to appraise the socio-economic conditions along with all kind of resources available in the watershed through the active participation of the villagers. There are several tools and techniques of PRA. The PRA including house hold survey of Khajuriya, Satarwas, Teela-I, Mainwar-I, Mainwar-II, Teela-II & Singepur micro-watershed was conducted by PIA and described in the subsequent sections.

### 3.1. Social-Economic Analysis

It is apparent from the social profile that the micro-watershed is inhabited by different caste and class. About 28 per cent of the population is scheduled caste. Population details of the IWMP-I are depited in Table 3.1. In general persons migrate from the project area due to drought and earn more money, however, migration was more than 40 per cent during 2007-08 due to continuous drought from 2004 to 2007 in the region. Majority of population migrate to New Delhi, Indore, Bhopal etc. during drought.The scenario of migration, infrastructure and common properties resources available in the project was analysed through house hold survey and is depicted in Table 3.2, 3.3 and 3.4, respectively.

**Table 3.1: Demographic Features in the project area (IWMP-I, lALITPUR)**

| SN | Name of village | Total Population | | | Population of SC/ST | | |
|---|---|---|---|---|---|---|---|
| | | Total | Male | Female | Total | Male | Female |
| 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1 | Khajuriya | 1868 | 973 | 895 | 263 | 138 | 125 |
| 2 | Singepur | 1354 | 729 | 625 | 284 | 146 | 138 |
| 3 | Khitwas | 2305 | 1227 | 1078 | 709 | 374 | 335 |
| 4 | Satarwas | 2889 | 1524 | 1365 | 602 | 313 | 289 |
| 5 | Andela | 1301 | 689 | 612 | 350 | 193 | 157 |
| 6 | Mainwar | 1579 | 812 | 767 | 567 | 294 | 273 |
| 7 | Birdha | 5163 | 2719 | 2444 | 747 | 332 | 315 |
| 8 | Kokta | 141 | 70 | 71 | | | |
| 9 | Kalothara | 1473 | 767 | 706 | 339 | 177 | 162 |
| 10 | Satoura | 1088 | 583 | 505 | 317 | 170 | 147 |
| | **Total** | 14732 | 9120 | 9068 | 4178 | 2137 | 1941 |

**Table 3.2: Details of land holding pattern in IWMP-I, Lalitpur**

| S. No. | Names MWS with code | Name of Village/GP | Type of Farmer | No. of households | No. of BPL households | Land holding (ha) | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Irrigated | Rainfed | Total |
| 1 | Khajuriya 2C2D2d2a | Khajuriya | (i) Big (above 4 ha.) | 49 | | 35.386 | 190.014 | 225.400 |
| | | Singepur | (ii) Medium(2-4 ha.) | 98 | | 26.349 | 179.451 | 205.800 |
| | | Khitwas | (iii) Small (1-2 ha.) | 165 | 14 | 17.641 | 172.109 | 189.750 |
| | | | (iv) Marginal(0-1 ha.) | 156 | 19 | | 93.426 | 93.426 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **468** | **33** | **79.376** | **635.000** | **714.376** |
| 2 | Satarwas 2C2D2d2c | Satarwas | (i) Big (above 4 ha.) | 26 | | 21.349 | 98.251 | 119.600 |
| | | Andela | (ii) Medium (2-4 ha.) | 37 | | 12.384 | 94.916 | 107.300 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | (iii) Small (1-2 ha.) | 86 | 6 | 6.384 | 98.536 | 104.920 |
| | | | (iv) Marginal (0-1 ha.) | 54 | 11 | 1.758 | 43.297 | 45.055 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **203** | **17** | **41.875** | **335.000** | **376.875** |
| 3 | Teela-Ist 2C2D2d2d | Mainwar | (i) Big (above 4 ha.) | 39 | | 36.294 | 139.206 | 175.500 |
| | | Andela | (ii) Medium(2-4 ha.) | 73 | | 16.387 | 154.433 | 170.820 |
| | | Satarwas | (iii) Small (1-2 ha.) | 102 | 7 | 7.319 | 120.181 | 127.500 |
| | | | (iv)Marginal(0-1 ha.) | 76 | 8 | | 66.180 | 66.180 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **270** | **15** | **60.000** | **480.000** | **540.000** |
| 4 | Mainwar-Ist 2C2D2d2k | Mainwar | (i) Big (above 4 ha.) | 48 | | 41.357 | 165.043 | 206.400 |
| | | Teela | (ii) Medium(2-4 ha.) | 74 | | 6.542 | 148.858 | 155.400 |
| | | Reechhpura | (iii) Small (1-2 ha.) | 89 | 7 | 9.601 | 92.749 | 102.350 |
| | | Andela | (iv)Marginal(0-1 ha.) | 68 | 9 | | 53.350 | 53.350 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **279** | **16** | **57.500** | **460.000** | **517.500** |
| 5 | Mainwar-IInd 2C2D2d2b | Mainwar | (i) Big (above 4 ha.) | 46 | | 35.691 | 175.909 | 211.600 |
| | | Andela | (ii) Medium (2-4 ha.) | 61 | | 12.386 | 115.714 | 128.100 |
| | | Khajuriya | (iii) Small (1-2 ha.) | 71 | 7 | 8.798 | 72.852 | 81.650 |
| | | Khitwas | (iv) Marginal (0-1 ha.) | 109 | 12 | | 90.525 | 90.525 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **287** | **19** | **56.875** | **455.000** | **511.875** |
| 6 | Teela-IInd 2C2D2d2e | Mainwar | (i) Big (above 4 ha.) | 68 | | 52.143 | 260.657 | 312.800 |
| | | Birdha | (ii) Medium (2-4 ha.) | 105 | | 29.584 | 230.816 | 260.400 |
| | | Reechhpura | (iii) Small (1-2 ha.) | 146 | 11 | 15.773 | 195.927 | 211.700 |
| | | | (iv) Marginal (0-1 ha.) | 103 | 16 | | 92.600 | 92.600 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **422** | **27** | **97.500** | **780.000** | **877.500** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 | Singepur 2C2D2d2h | Singepur | (i) Big (above 4 ha.) | 42 | | 44.216 | 178.384 | 222.600 |
| | | Kokta | (ii) Medium (2-4 ha.) | 76 | | 31.281 | 166.319 | 197.600 |
| | | Kalothara | (iii) Small (1-2 ha.) | 162 | 14 | 7.345 | 243.755 | 251.100 |
| | | Satoura | (iv) Marginal (0-1 ha.) | 136 | 21 | 5.284 | 116.542 | 121.826 |
| | | | (v) Lanless | | | | | |
| | | | **Sub-Total** | **416** | **35** | **88.126** | **705.000** | **793.126** |
| | | | **Grand Total** | **2345** | **161** | **481.25** | **3850** | **4331.3** |

**Table 3.3: Details of migration from Project area (IWMP-I, Lalitpur): Pre-project status**

| Sl. No. | Names of Watershed | Name of village | No. of persons migrating | No. of days per year of migration | Major reason(s) for migrating | Distance of destination of migration from the village (km) | Occupation during migration | Income from such occupation (Rs. in lakh) |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | 27 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Singepur | 0 | 0 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 0 | 0 | 0 |
| | | Khitwas | 0 | 120-180 | Due to Poverty, Non Employment & Low potential | 250-500 | Labour | 0.25-0.40 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | agriculture & single cropping pattern | | | |
| **2** | Satarwas 2C2D2d2c | Satarwas | 26 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Andela | 0 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | 24 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Andela | 0 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Satarwas | 34 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | 24 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping | 250-500 | Labour | 0.25-0.40 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | pattern | | | |
| | | Andela | 0 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | 29 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Andela | 0 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Khajuriya | 18 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Khitwas | 16 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | 0 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping | 250-500 | Labour | 0.25-0.40 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | pattern | | | |
| | | Birdha | 32 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Teela | 12 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| **7** | Singepur 2C2D2d2h | Singepur | 34 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Kokta | 5 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Kalothara | 10 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |
| | | Satoura | 4 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping | 250-500 | Labour | 0.25-0.40 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | pattern | | | |
| | Total of Project | | 207 | 120-180 | Due to Poverty, Non Employment & Low potential agriculture & single cropping pattern | 250-500 | Labour | 0.25-0.40 |

**PRA EXERCISE in IWMP-I PROJECT (LDWR, Lalitpur-I)**

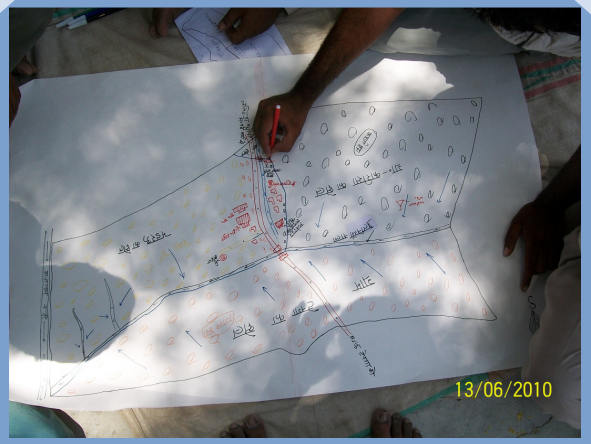


**Table 3.4: Details of infrastructure in IWMP-I, Lalitpur**

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | Khajuriya 2C2D2d2a | (i) | Name of villages connected to the main road by an all-weather road | Khajuriya, Singepur, Khitwas (Lalitpur-Mehroni Rd.) | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | Nil | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 01 | (S) 01 | (HS) No | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | Yes | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | No | | | |
| | | (vii) | Names of villages with access to Post Office | Yes | | | |
| | | (viii) | Names of villages with access to Banks | No | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | No | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) No | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 01 | | | |
| | | (xiv) | Panchayat Bhawan/Community Centre | Yes | | | |

.

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | | 5 | | | |
| 2 | Satarwas 2C2D2d2c | (i) | Name of villages connected to the main road by an all-weather road | Andela & Satarwas : Lalitpur-Mehroni Rd. | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | 60 (Andela) | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 03 | (S) 02 | (HS) No | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | Yes | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | No | | | |
| | | (vii) | Names of villages with access to Post Office | Yes | | | |
| | | (viii) | Names of villages with access to Banks | No | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | No | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) No | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 03 (Andela & Satarwas) | | | |
| | | (xiv) | Panchayat Ghar & Community Centre | Available (Satarwas, Andela) | | | |

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | | 5 | | | |
| 3 | Teela-Ist 2C2D2d2d | (i) | Name of villages connected to the main road by an all-weather road | Andela, Satarwas, Mainwar Lalitpur-Mehroni Rd | | | |
| | | (ii) | Village's Name provided with electricity | Andela, Satarwas, Mainwar | | | |
| | | (iii) | No. of households without access to drinking water | 60 (Andela) | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 04 | (S) 03 | (HS) No | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | No | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | No | | | |
| | | (vii) | Names of villages with access to Post Office | No | | | |
| | | (viii) | Names of villages with access to Banks | No | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | Available | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) No | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 02 ( Andela & Satarwas) | | | |
| | | (xiv) | Panchayat Ghar/Community Centre | Yes | | | |

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | | 5 | | | |
| 4 | Mainwar-Ist 2C2D2d2k | (i) | Name of villages connected to the main road by an all-weather road | Mainwar, Teela (Lalitpur-Mehroni Rd)<br>Satoura, Richhpura (Lalitpur-Sagar Rd) | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | Nil | | | |
| | | (iv) | No. of educational institutions :<br>Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P)<br>04 | (S)<br>04 | (HS)<br>No | (VI)<br>No |
| | | (v) | Names of villages with access to Primary Health Centre | No | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | No | | | |
| | | (vii) | Names of villages with access to Post Office | No | | | |
| | | (viii) | Names of villages with access to Banks | No | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | No | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres<br>(e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U)<br>No | (S)<br>No | (PA)<br>No | (O)<br>No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 04 | | | |
| | | (xiv) | Panchayat ghar/Community Centre | Yes | | | |

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | | 5 | | | |
| 5 | Mainwar-IInd 2C2D2d2b | (i) | Name of villages connected to the main road by an all-weather road | Mainwar, Khajuriya, Khitwas, Andela Lalitpur-Mehroni Road | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | Nil | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 04 | (S) 04 | (HS) No | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | 01 | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | 01 | | | |
| | | (vii) | Names of villages with access to Post Office | 01 | | | |
| | | (viii) | Names of villages with access to Banks | 01 | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | Yes | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) No | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 04 | | | |
| | | (xiv) | Panchayatghar/Community Centre | Yes | | | |

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| **1** | **2** | **4** | | **5** | | | |
| **6** | Teela-IInd 2C2D2d2e | (i) | Name of villages connected to the main road by an all-weather road | Richhpur, Teela (Lalitpur-Mehroni Rd) Birdha (Lalitpur-Sagar Rd.) | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | Nil | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 03 | (S) 02 | (HS) 01 | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | Yes | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | Yes | | | |
| | | (vii) | Names of villages with access to Post Office | Yes | | | |
| | | (viii) | Names of villages with access to Banks | Yes | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | Available | | | |
| | | (x) | Names of villages with access to Agro-industries | Yes | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) Yes | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 04 | | | |
| | | (xiv) | Panchayatghar/Community Centre | Available | | | |

| SN | Name of Micro Watershed | Parameters | | Status | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | | 5 | | | |
| 7 | Singepur 2C2D2d2h | (i) | Name of villages connected to the main road by an all-weather road | Singepur, Kalothra, Satoura (Lalitpur Sagar Rd.) | | | |
| | | (ii) | Village's Name provided with electricity | All | | | |
| | | (iii) | No. of households without access to drinking water | Nil | | | |
| | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS)/ vocational institution(VI) | (P) 04 | (S) 03 | (HS) No | (VI) No |
| | | (v) | Names of villages with access to Primary Health Centre | No | | | |
| | | (vi) | Names of villages with access to Veterinary Dispensary | No | | | |
| | | (vii) | Names of villages with access to Post Office | No | | | |
| | | (viii) | Names of villages with access to Banks | No | | | |
| | | (ix) | Names of villages with access to Markets/ mandis | Yes | | | |
| | | (x) | Names of villages with access to Agro-industries | No | | | |
| | | (xi) | Total quantity of surplus milk deficit | No | | | |
| | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) No | (S) No | (PA) No | (O) No |
| | | (xiii) | Name of villages with access to Anganwadi Centre | 02 | | | |
| | | (xiv) | Panchayatghar/Community Centre | Yes | | | |

**Table 3.5: Details of common property resources In IWMP-I, Lalitpur**

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 1 | Khajuriya 2C2D2d2a | (i) Wasteland/ degraded land | | | 2.500 | | | | 2.500 | |
| | | (ii) Pastures | | | | | | | | |
| | | (iii) Orchards | 1.020 | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | 0.2700 | | | | | |
| | | (vii) Community Buildings | 0.056 | | | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | 01.349 | | | | | |
| | | (xi) Others (Pl. specify) | 0.002 | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 2 | Satarwas 2C2D2d2c | ( i) Wasteland/ degraded land | | | 3.500 | | | | 3.500 | |
| | | (ii) Pastures | | | | | | | | |
| | | (iii) Orchards | 0.020 | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | 0.300 | | | | | |
| | | (vii) Community Buildings | 0.004 | | | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | 01.560 | | | | | |
| | | (xi) Others (Pl. specify) | 0.002 | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 3 | Teela-Ist 2C2D2d2d | (i) Wasteland/ degraded land | | | 13.430 | | | | 13.430 | |
| | | (ii) Pastures | | | 4.447 | | | | | |
| | | (iii) Orchards | | | | | | | | |
| | | (iv) Village Woodlot | | | 20.861 | | | | 20.861 | |
| | | (v) Forest | | | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | 2.310 | | | | | |
| | | (vii) Community Buildings | 0.002 | | | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | 0.015 | | | | | | | |
| | | (xi) Others (Pl. specify) | 3.105 | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 4 | Mainwar-I 2C2D2d2k | (i) Wasteland/ degraded land | | 3.245 | 2.46 | | | 3.245 | 2.46 | |
| | | (ii) Pastures | | | | | | | | |
| | | (iii) Orchards | | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | | | | | | |
| | | (vii) Community Buildings | | | 0.02 | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | 0.002 | | | | | |
| | | (xi) Others (Pl. specify) | | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 5 | Mainwar-II 2C2D2d2b | (i) Wasteland/ degraded land | | | 6.915 | | | | 6.915 | |
| | | (ii) Pastures | | | 1.00 | | | | | |
| | | (iii) Orchards | | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | | | | | | |
| | | (vii) Community Buildings | | | | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | 0.02 | | | | | |
| | | (xi) Others (Pl. specify) | | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 6 | Teela-II 2C2D2d2e | (i) Wasteland/ degraded land | | | 8.00 | | | | 8.00 | |
| | | (ii) Pastures | | | 43.00 | | | | | |
| | | (iii) Orchards | | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | 12.950 | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | 8.829 | | | | | |
| | | (vii) Community Buildings | | | 0.002 | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | .004 | | | | | |
| | | (xi) Others (Pl. specify) | | | | | | | | |

| 1 | 2 | 4 | 5 | | | | 6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S. No. | Names of MWS with code | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | PRI | Any other (Pl. Specify) |
| 7 | Singepur | (i) Wasteland/ degraded land | | | | | | | | |
| | | (ii) Pastures | | | | | | | | |
| | | (iii) Orchards | | | | | | | | |
| | | (iv) Village Woodlot | | | | | | | | |
| | | (v) Forest | | 20.00 ha | | | | | | |
| | | (vi) Village Ponds/ Tanks | | | | | | | | |
| | | (vii) Community Buildings | | | 1.00 ha. | | | | | |
| | | (viii) Weekly Markets | | | | | | | | |
| | | (ix) Permanent markets | | | | | | | | |
| | | (x) Temples/ Places of worship | | | 0.900 | | | | | |
| | | (xi) Others (Pl. specify) | | | | | | | | |

### 3.2 Soil and Land Holding Pattern

Majority of the land of the project is heavy textured soil. Category wise details of farmer and their irrigated area are described in Table 3.6.

**Table 3.6: Details of Soil texture in IWMP-I, Lalitpur**

| Sr. No. | MWS Project | Area in different soil groups (ha.) | | | Details |
|---|---|---|---|---|---|
| | | Light textured soil sand, loamy sand | Medium textured (Sandy loam, loam, silt loam) | Heavy textured soil (clayey) | |
| 1 | Khajuriya 2C2D2d2a | 25.40 | 101.60 | 508.00 | Mar+Padwa+Kawer |
| 2 | Satarwas 2C2D2d2c | 6.70 | 46.90 | 281.40 | Mar+Padwa+Kawer |
| 3 | Teela-Ist 2C2D2d2d | 21.60 | 84.00 | 374.40 | Mar+Padwa+Kawer |
| 4 | Mainwar_Ist 2C2D2d2k | 9.20 | 73.60 | 377.20 | Mar+Padwa+Kawer |
| 5 | Mainwar_Iind 2C2D2d2b | 13.65 | 77.35 | 364.00 | Mar+Padwa+Kawer |
| 6 | Teela-Iind 2C2D2d2e | 23.40 | 124.80 | 631.80 | Mar+Padwa+Kawer |
| 7 | Singepur 2C2D2d2h | 14.10 | 98.70 | 592.20 | Mar+Padwa+Kawer |
| | **Total** | **114.05** | **606.95** | **3129.00** | |

### 3.3 Major Crops, its Productivity and Production

Micro-watershed wise grown crops, their productivity and production under irrigated and rainfed condition is given in Table 3.5. As far as productivity of cereals is concerned, it is significantly lower than the state and national average.

**Table 3.7: Micro-watershed wise details of Crops, their Productivity and Production in IWMP-I, Lalitpur**

**MWS : Khajuriya 2C2D2d2a**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 78.76 | - | 6.50 | - | 511.91 | - | 767.86 | |
| 3 | Arhar | - | 0.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 78.00 | - | 4.80 | - | 374.40 | - | 280.80 | |
| 7 | Oilseeds (Til) | - | 2.00 | - | 1.50 | - | 3.00 | - | 15.00 | |
| 8 | Soyabeen | - | | - | | - | | - | 0.00 | |
| | **Total** | | **158.76** | | **12.80** | | **889.31** | | **1063.66** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 60.00 | 300.00 | 14.00 | 9.50 | 840.00 | 2850.00 | 1500.00 | 4275.00 | |
| 2 | Barley | - | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | | 122.00 | 11.00 | 8.00 | 0.00 | 976.00 | - | 976.00 | |
| 4 | Gram | | 72.00 | 10.00 | 7.80 | 0.00 | 561.60 | - | 702.00 | |
| 5 | Pea | | 180.00 | 10.40 | 10.50 | 0.00 | 1890.00 | - | 1417.50 | |
| | Jou | | 10.00 | - | 9.00 | - | 90.00 | - | 135.00 | |
| 6 | Mustard | | 6.85 | | 4.00 | | 27.42 | - | 41.12 | |
| 7 | Potato | | - | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **60.00** | **690.85** | | **48.80** | **840.00** | **6395.02** | **1500.00** | **7546.62** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |

**MWS : Satarwas 2C2D2d2d**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 10.00 | - | 6.50 | - | 65.00 | - | 97.50 | |
| 3 | Arhar | - | 14.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 90.00 | - | 4.80 | - | 432.00 | - | 324.00 | |
| 7 | Oilseeds | - | 8.00 | - | 1.50 | - | 12.00 | - | 60.00 | |
| 8 | Soyabeen | - | | - | | - | | - | 0.00 | |
| | **Total** | | **122.00** | | **12.80** | | **509.00** | | **481.50** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 41.88 | 90.00 | 15.00 | 9.50 | 628.13 | 855.00 | 1500.00 | 1282.50 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 76.00 | 0.00 | 8.00 | 0.00 | 608.00 | - | 608.00 | |
| 4 | Gram | - | 10.00 | 0.00 | 7.80 | 0.00 | 78.00 | - | 97.50 | |
| 5 | Pea | - | 94.00 | 0.00 | 10.50 | 0.00 | 987.00 | - | 740.25 | |
| | Jou | - | 5.00 | 0.00 | 9.00 | 0.00 | 45.00 | - | 67.50 | |
| 6 | Mustard | - | 0.00 | 0.00 | 4.00 | | 0.00 | - | 0.00 | |
| 7 | Potato | - | 2.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **41.88** | **277.00** | **15.00** | **48.80** | **628.13** | **2573.00** | **1500.00** | **2795.75** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

**MWS : Teela Ist 2C2D2d2c**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 20.00 | - | 6.50 | - | 130.00 | - | 195.00 | |
| 3 | Arhar | - | 8.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 190.00 | - | 4.80 | - | 912.00 | - | 684.00 | |
| 7 | Oilseeds | - | 5.00 | - | 1.50 | - | 7.50 | - | 37.50 | |
| 8 | Soyabeen | - | 12.00 | - | | - | | - | 0.00 | |
| | **Total** | | **235.00** | | **12.80** | | **1049.50** | | **916.50** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 60.00 | 135.00 | 15.00 | 9.50 | 900.00 | 1282.50 | 1500.00 | 1923.75 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 64.00 | 0.00 | 8.00 | 0.00 | 512.00 | - | 512.00 | |
| 4 | Gram | - | 48.00 | 0.00 | 7.80 | 0.00 | 374.40 | - | 468.00 | |
| 5 | Pea | - | 135.00 | 0.00 | 10.50 | 0.00 | 1417.50 | - | 1063.13 | |
| | Jou | - | 10.00 | 0.00 | 9.00 | 0.00 | 90.00 | - | 135.00 | |
| 6 | Mustard | - | 7.00 | 0.00 | 4.00 | | 28.00 | - | 42.00 | |
| 7 | Potato | - | 2.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **60.00** | **401.00** | **15.00** | **48.80** | **900.00** | **3704.40** | **1500.00** | **4143.88** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

**MWS : Mainwar Ist 2C2D2d2k**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 10.00 | - | 6.50 | - | 65.00 | - | 97.50 | |
| 3 | Arhar | - | 0.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 260.00 | - | 4.80 | - | 1248.00 | - | 936.00 | |
| 7 | Oilseeds | - | 0.00 | - | 1.50 | - | 0.00 | - | 0.00 | |
| 8 | Soyabeen | - | | - | | - | | - | 0.00 | |
| | **Total** | | **270.00** | | **12.80** | | **1313.00** | | **1033.50** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 57.50 | 95.00 | 15.00 | 9.50 | 862.50 | 902.50 | 1500.00 | 1353.75 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 30.00 | 0.00 | 8.00 | 0.00 | 240.00 | - | 240.00 | |
| 4 | Gram | - | 25.00 | 0.00 | 7.80 | 0.00 | 195.00 | - | 243.75 | |
| 5 | Pea | - | 235.00 | 0.00 | 10.50 | 0.00 | 2467.50 | - | 1850.63 | |
| | Jou | - | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | - | 0.00 | |
| 6 | Mustard | - | 0.00 | 0.00 | 4.00 | | 0.00 | - | 0.00 | |
| 7 | Potato | - | 1.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **57.50** | **386.00** | **15.00** | **48.80** | **862.50** | **3805.00** | **1500.00** | **3688.13** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

**MWS : Mainwar IInd 2C2D2d2b**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 15.00 | - | 6.50 | - | 97.50 | - | 146.25 | |
| 3 | Arhar | - | 0.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 260.00 | - | 4.80 | - | 1248.00 | - | 936.00 | |
| 7 | Oilseeds | - | 5.00 | - | 1.50 | - | 7.50 | - | 37.50 | |
| 8 | Soyabeen | - | 40.00 | - | | - | | - | 0.00 | |
| | **Total** | | **320.00** | | **12.80** | | **1353.00** | | **1119.75** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 56.00 | 108.00 | 15.00 | 9.50 | 840.00 | 1026.00 | 1500.00 | 1539.00 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 77.00 | 0.00 | 8.00 | 0.00 | 616.00 | - | 616.00 | |
| 4 | Gram | - | 25.00 | 0.00 | 7.80 | 0.00 | 195.00 | - | 243.75 | |
| 5 | Pea | - | 204.00 | 0.00 | 10.50 | 0.00 | 2142.00 | - | 1606.50 | |
| | Jou | - | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | - | 0.00 | |
| 6 | Mustard | - | 0.00 | 0.00 | 4.00 | | 0.00 | - | 0.00 | |
| 7 | Potato | - | 2.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **56.00** | **416.00** | **15.00** | **48.80** | **840.00** | **3979.00** | **1500.00** | **4005.25** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

**MWS : Teela IInd 2C2D2d2e**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 78.76 | - | 6.50 | - | 511.91 | - | 767.86 | |
| 3 | Arhar | - | 0.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 78.00 | - | 4.80 | - | 374.40 | - | 280.80 | |
| 7 | Oilseeds | - | 2.00 | - | 1.50 | - | 3.00 | - | 15.00 | |
| 8 | Soyabeen | - | 0.00 | - | | - | | - | 0.00 | |
| | **Total** | | **158.76** | | **12.80** | | **889.31** | | **1063.66** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 97.50 | 299.00 | 15.00 | 9.50 | 1462.50 | 2840.50 | 1500.00 | 4260.75 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 128.00 | 0.00 | 8.00 | 0.00 | 1024.00 | - | 1024.00 | |
| 4 | Gram | - | 78.00 | 0.00 | 7.80 | 0.00 | 608.40 | - | 760.50 | |
| 5 | Pea | - | 209.00 | 0.00 | 10.50 | 0.00 | 2194.50 | - | 1645.88 | |
| | Jou | - | 0.00 | 0.00 | 9.00 | 0.00 | 0.00 | - | 0.00 | |
| 6 | Mustard | - | 9.25 | 0.00 | 4.00 | | 37.02 | - | 55.52 | |
| 7 | Potato | - | 0.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **97.50** | **723.25** | **15.00** | **48.80** | **1462.50** | **6704.42** | **1500.00** | **7746.65** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

**MWS : Singepur 2C2D2d2h**

| S.No | Crop. | Area in (Ha.) | | Productivity Qtl,/Ha | | Production (Qtl.) | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grain/Main product | | Fodder/Fuel/other Product. | | |
| | | Irrigated | Rainfed | Irrigated | Rainfed. | Irrigated | Rainfed | Irrigated | Rainfed | |
| A | Kharif | - | - | - | - | - | | - | - | |
| 2 | Maze | - | 56.00 | - | 6.50 | - | 364.00 | - | 546.00 | |
| 3 | Arhar | - | 0.00 | - | - | - | | - | 0.00 | |
| 4 | Urd/Mung | - | 490.00 | - | 4.80 | - | 2352.00 | - | 1764.00 | |
| 7 | Oilseeds | - | 8.00 | - | 1.50 | - | 12.00 | - | 60.00 | |
| 8 | Soyabeen | - | 0.00 | - | | - | | - | 0.00 | |
| | **Total** | | **554.00** | | **12.80** | | **2728.00** | | **2370.00** | |
| B | Rabi | - | - | - | - | | - | - | - | |
| 1 | Wheat | 88.13 | 356.00 | 15.00 | 9.50 | 1321.89 | 3382.00 | 1500.00 | 5073.00 | |
| 2 | Barley | - | 0.00 | - | 0.00 | 0.00 | 0.00 | | 0.00 | |
| 3 | Masoor | - | 40.00 | 0.00 | 8.00 | 0.00 | 320.00 | - | 320.00 | |
| 4 | Gram | - | 8.00 | 0.00 | 7.80 | 0.00 | 62.40 | - | 78.00 | |
| 5 | Pea | - | 204.00 | 0.00 | 10.50 | 0.00 | 2142.00 | - | 1606.50 | |
| | Jou | - | 0.00 | 0.00 | 9.00 | - | 0.00 | - | 0.00 | |
| 6 | Mustard | - | 8.00 | 0.00 | 4.00 | | 32.00 | - | 48.00 | |
| 7 | Potato | - | 0.00 | | - | | - | - | - | |
| | | | | | | | | | | |
| | **Total** | **88.13** | **616.00** | **15.00** | **48.80** | **1321.89** | **5938.40** | **1500.00** | **7125.50** | |
| C | Zaid | | - | - | - | | - | - | - | |
| 3 | Urd/Mung | | | | | | - | - | - | |
| | Total | - | - | - | - | - | - | | | |

It was observed that the productivity of wheat, gram, mustard, arhar and linseed was about 66, 37, 33,49 and 26 per cent, respectively, less than the average (*Source: Directorate of Economics and Statistics, Department of Agriculture and Cooperation*) productivity of the state of Uttar Pradesh.

**Table 3.8: Food, fodder and fuel production in the project area (IWMP-I, District- Lalitpur)**

| Summary | Unit | Production During Kharif | Production during Rabi | Total Production | Remarks |
|---|---|---|---|---|---|
| **Food Production** | | | | | |
| Cereals | Quintil | 1745.32 | 19993.52 | 21738.83 | |
| Pulses | Quintil | 6028.80 | 19611.30 | 25640.10 | |
| Oilseed | Quintil | | | 0.00 | |
| **Grand Total** | | | | **47378.93** | |
| **Fooder Production** | | | | | |
| Dry Fodder | Quintil | 5393.10 | 35258.63 | | |
| Green Fodder | Quintil | 0 | 0 | | |
| **Fuel Production** | | | | | |
| Arhar+Musterd+Til Plants+Mize | Quintil | 2842.97 | 186.6 | | |
| Over all Croping Intensity | | | | | |

### 3.4 Agro forestry and Horticulture

There is no systematic agro forestry and orchard in the project area, however, few scattered trees of desi ber, aonla, guava, kathal, etc. was found in the micro-watersheds which is consumed locally (Table 3.7).

**Table 3.9: Horticulture Status**

**Project- IWMP I** **District -Lalitpur**

| S. N. | Name of micro watershed with code | Name of village | Name of Important horticultural crop | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Orchard | | | | Scattered Fruit Crop | | |
| | | | Name | Area ha. | Productivity qtl/ha | Production qtls | No. | Productivity qtl/No. | Production qtls |
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | Lamon | 0.600 | 10.00 | 6.00 | 50 | 1.40 | 70 |
| | | Singepur | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Khitwas | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| **2** | Satarwas 2C2D2d2c | Satarwas | Nil | Nil | Nil | Nil | 20 | 1.50 | 30.00 |
| | | Andela | Nil | Nil | Nil | Nil | 37 | 1.50 | 55.50 |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | Nil | Nil | Nil | Nil | 50 | 1.40 | 70.00 |
| | | Andela | Nil | Nil | Nil | Nil | 33 | 1.50 | 49.50 |
| | | Satarwas | Nil | Nil | Nil | Nil | 46 | 1.50 | 69.00 |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | Nil | Nil | Nil | Nil | 92 | 1.40 | 128.80 |
| | | Andela | Nil | Nil | Nil | Nil | 30 | 1.50 | 45.00 |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | Nil | Nil | Nil | Nil | 60 | 1.50 | 90.00 |
| | | Andela | Nil | Nil | Nil | Nil | 25 | 1.50 | 37.50 |
| | | Khajuriya | Nil | Nil | Nil | Nil | 15 | 1.25 | 22.50 |
| | | Khitwas | Nil | Nil | Nil | Nil | 15 | 1.50 | 22.50 |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | Grave | 0.200 | 5.00 | | 50 | 1.50 | 75.00 |
| | | Andela | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Birdha | Grave | 1.500 | 20.00 | | 75 | 1.50 | 112.50 |
| **7** | Singepur | Singepur | Guava +Lamon | 8.000 | 5.00 | 40.00 | 110 | 1.50 | 165.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Kalothara | Nil | Nil | Nil | Nil | 40 | 1.40 | 56.00 |
| | | Satoura | Nil | Nil | Nil | Nil | 25 | 1.50 | 37.50 |
| | Total of Project | | | 10.3 | 40.00 | 46.00 | 773 | | 1136.3 |

**3.5 Livestock**

In the name of cattle mainly desi cow are found in the project which productivity is significantly lower than the average productivity of the state. The Details of livestock and its productivity are available in Table respectively.

**Table 3.10: Livestock Population**

**Project- IWMP I** **District –Lalitpur**

(All Figure in No.)

| S. N. | Name of Micro watershed with code. | Name of Village | Cow | | Buffalow | | Ox/ Bull | Goat | Sheep | Piggeries | Poultry | | | Other specify |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Desi | Cro | Desi | Mur | | | | | Broiler | Layers | Total | |
| 1 | 2 | 3 | | | 5 | 6 | 7 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | Khajuriya 2C2D2d2a | Khajuriya | 170 | 0 | 200 | 8 | 12 | 300 | | | 60 | 70 | 130 | |
| | | Singepur | 90 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | Khitwas | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | Satarwas 2C2D2d2c | Satarwas | 73 | 0 | 43 | 8 | 26 | 70 | 0 | 18 | 55 | 40 | 94 | |
| | | Andela | 62 | 0 | 38 | 5 | 16 | 43 | 0 | 0 | 42 | 30 | 72 | |
| 3 | Teela-Ist 2C2D2d2d | Mainwar | 35 | - | 23 | 4 | 21 | 15 | - | - | 9 | 3 | 12 | - |
| | | Andela | 50 | - | 25 | 5 | 16 | 12 | - | - | 10 | 5 | 15 | - |
| | | Satarwas | 30 | - | 20 | 7 | 18 | 25 | - | - | 18 | 12 | 30 | - |
| 4 | Mainwar-Ist 2C2D2d2k | Mainwar | 75 | 10 | 150 | 18 | 33 | 30 | | | 110 | 20 | 120 | |
| | | Andela | 12 | 2 | 15 | 7 | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | 50 | 10 | 65 | 45 | 36 | 28 | - | - | 100 | 15 | 115 | - |
| | | Andela | 50 | - | 50 | 15 | 30 | 25 | - | - | 115 | 22 | 137 | - |
| | | Khajuriya | 30 | 2 | 35 | 10 | 21 | 13 | - | - | 50 | 9 | 59 | - |
| | | Khitwas | 24 | 4 | 18 | 12 | 15 | 13 | - | - | 50 | 7 | 57 | - |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | 60 | - | 50 | | 12 | 30 | - | - | - | - | - | - |
| | | Andela | 80 | - | 80 | | 20 | 10 | - | - | - | - | - | - |
| | | Birdha | 90 | - | 40 | | 13 | 15 | - | - | - | - | - | - |
| **7** | Singepur 2C2D2d2h | Singepur | 150 | - | 250 | 25 | 20 | 350 | | - | 100 | 50 | 150 | - |
| | | Kalothara | 300 | - | 235 | 50 | 35 | 600 | 50 | - | 100 | 80 | 180 | - |
| | | Satoura | 100 | - | 50 | 4 | 54 | 310 | 100 | - | 75 | 50 | 125 | - |
| | Total of Project | | 1531 | 28 | 1412 | 223 | 398 | 1889 | 150 | 18 | 894 | 413 | 1296 | |

**Table 3.11: Details of Livestock Productivity** **Project- IWMP I**

**District-Lalitpur**

| **SN** | **Name of Micro watershed** | **Name of Village** | **Milk Production (Liter Per day)** | | | | **Goatry** | **Poultry** | | **Piggeries weight Kg/Pig** |
|---|---|---|---|---|---|---|---|---|---|---|
| | **with code** | | **Cows** (Desi 750 ml./day) | | **Buffalos** (Desi 1lt./day (murrah 3.5 lt./day) | | **Weight in Kg/goat** | **Broiler Weight in Kg/ Brl** | **Layers No. of eggs/day** | |
| | | | **Desi** | **Crossed** | **Desi** | **Murrah** | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | | **9** | **10** | **11** |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | 36 | - | 144 | 28 | 16 | 2 | 55 | - |
| | | Singepur | 19 | - | 18 | 0 | - | - | - | - |
| | | Khitwas | - | - | - | - | - | - | - | - |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **2** | Satarwas 2C2D2d2c | Satarwas | 15 | - | 31 | 28 | 17 | 1.5 | 40 | 45 |
| | | Andela | 13 | - | 27 | 18 | 18 | 1.6 | 30 | - |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | 7 | - | 17 | 14 | 18 | 2 | 30 | - |
| | | Andela | 11 | - | 18 | 18 | 16 | 2 | 42 | - |
| | | Satarwas | 6 | - | 14 | 25 | 20 | 2 | 30 | - |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | 16 | - | 108 | 63 | 15 | 1.5 | 20 | |
| | | Andela | - | - | - | - | - | -- | - | - |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | 11 | - | 47 | 158 | 15 | 1.5 | 25 | - |
| | | Andela | 11 | - | 36 | 53 | 14 | 1.5 | 35 | - |
| | | Khajuriya | 6 | - | 25 | 35 | 13 | 1.5 | 15 | - |
| | | Khitwas | 5 | - | 13 | 42 | 13 | 1 | 10 | - |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | 13 | - | 36 | 0 | 19 | - | - | - |
| | | Andela | 17 | - | 58 | 0 | 20 | - | - | - |
| | | Birdha | 19 | - | 29 | 0 | 19 | - | - | - |
| **7** | Singepur 2C2D2d2h | Singepur | 32 | - | 180 | 88 | 15 | 0.8 | 50 | - |
| | | Kalothara | 63 | - | 169 | 175 | 15 | 0.8 | 60 | - |
| | | Satoura | 21 | - | 36 | 14 | 15 | 0.8 | 25 | - |
| | **Total of Project** | | **319** | | **1006** | **756** | **278** | **20.5** | **467** | |

### 3.6 Forest and Grassland

There is no grassland available in the project area, however, information on naturally generated/grown degraded forest is given in Table 3.10.

**Table 3.12: Forest, Vegetative Cover/Grass Land Project- IWMP -I District -Lalitpur**

| S. No. | Name & Code of Micro watershed | Name of Village | Forest (Area ha) | | | Grass Land (Area ha) | | Other vegetative cover (Area ha) | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Reserve | Gram Samaj (Natural/Planted) | Total | Gram Samaj | Private | Gram Samaj | Private |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Singepur | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Khitwas | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| **2** | Satarwas 2C2D2d2c | Satarwas | Nil | Nil | Nil | Nil | Nil | Nil | 2.100 |
| | | Andela | Nil | Nil | Nil | Nil | Nil | Nil | 2.600 |
| **3** | Teela-I 2C2D2d2d | Mainwar | Nil | Nil | Nil | Nil | Nil | Nil | 3.100 |
| | | Andela | Nil | 1.000 | 1.000 | 4.447 | Nil | Nil | 2.250 |
| | | Satarwas | Nil | Nil | Nil | Nil | Nil | Nil | 1.8 |
| **4** | Mainwar-I 2C2D2d2k | Mainwar | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Andela | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| **5** | Mainwar-II 2C2D2d2b | Mainwar | Nil | Nil | Nil | 13 | Nil | Nil | Nil |
| | | Andela | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Khajuriya | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Khitwas | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | 12.000 | 4.000 | 16.000 | 6.000 | Nil | Nil | Nil |
| | | Andela | Nil | 5.000 | 5.000 | 5.000 | Nil | Nil | Nil |
| | | Birdha | Nil | 4.000 | 4.000 | Nil | Nil | Nil | Nil |
| **7** | Singepur 2C2D2d2h | Singepur | 20.000 | 2.000 | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Kalothara | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | Satoura | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Total of Project | | 32.000 | 16.000 | 26.000 | 28.447 | | | 11.850 |

**3.7 Livelihood Status**

Assestless/landless people earn their livelihood mainly from labour and *batai.* They were earning about Rs. 3000/per month. It is expected that their income will enhance due to watershed management as it will generate sustained employment opportunity. Intervention based on piggeries, fisheries, black smithy and carpentery was not in practice. Livelihood status of landless, farmers and interventions based livelihood status are shown in Table respectively.

**Table 3.13: Livelihood Status of Landless People**

| S. N. | Name & Code of micro watershed | Name of Village | Name of Livelihood Activity | No. of house hold engaged | | | | | Pre project Average Income | Desired Activities | Expected Income from desired activities | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sc | St | Other | Women | Total | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1 | Khajuriya 2C2D2d2a | Khajuriya | - | - | - | - | - | - | - | - | - | - |
| | | Singepur | - | - | - | - | - | - | - | - | - | - |
| | | Khitwas | - | - | - | - | - | - | - | - | - | - |
| 2 | Satarwas 2C2D2d2c | Satarwas | - | - | - | - | - | - | - | - | - | - |
| | | Andela | - | - | - | - | - | - | - | - | - | - |
| 3 | Teela-Ist 2C2D2d2d | Mainwar | - | - | - | - | - | - | - | - | - | - |
| | | Andela | - | - | - | - | - | - | - | - | - | - |
| | | Satarwas | - | - | - | - | - | - | - | - | - | - |
| 4 | Mainwar-Ist 2C2D2d2k | Mainwar | - | - | - | - | - | - | - | - | - | - |
| | | Andela | - | - | - | - | - | - | - | - | - | - |
| 5 | Mainwar-IInd 2C2D2d2b | Mainwar | - | - | - | - | - | - | - | - | - | - |
| | | Andela | - | - | - | - | - | - | - | - | - | - |
| | | Khajuriya | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Khitwas | - | - | - | - | - | - | - | - | - | - |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | - | - | - | - | - | - | - | - | - | - |
| | | Birdha | - | - | - | - | - | - | - | - | - | - |
| | | Andela | Labour | 01 | - | - | - | 01 | 0.18 PA | Cottage Ind. | 0.30 | - |
| **7** | Singepur 2C2D2d2h | Singepur | | | | 01 | | 01 | | | | |
| | | Kalothara | - | - | - | - | - | - | - | - | - | - |
| | | Satoura | - | - | - | - | - | - | - | - | - | - |
| | Total of Project | | | 01 | | 01 | | 01 | | | | |

**Table 3.14: Details of Livelihood Status of the Farmers Project- IWMP-I** **District –Lalitpur**

Amount in Lacs

| S. No. | Name & Code of micro watershed | Name of Village | Name of Livelihood Activity | No. of Persons engaged | | | | | Pre project Average Income (P.A.) | Desired Activities | Expected Income from desired activities | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Sc | St | Other | Women | Total | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | Agriculture + A.H., Labour, Batai | 75 | 318 | 4 | 4 | 397 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Singepur | Agriculture + A.H., Labour, Batai | 8 | 0 | 56 | - | 64 | 0.30-0.40 | | 0.50-0.60 | |
| | | Khitwas | Agriculture + A.H., Labour, Batai | - | - | 7 | - | 7 | 0.30-0.40 | | 0.50-0.60 | |
| **2** | Satarwas 2C2D2d2c | Satarwas | Agriculture + A.H., Labour, Batai | 14 | 17 | 83 | 5 | 119 | 0.30-0.40 | Improvement of agri.prod. Improvement | 0.50-0.60 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Andela | Agriculture + A.H., Labour, Batai | 8 | - | 64 | 3 | 72 | 0.30-0.40 | of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | Agriculture + A.H., Labour, Batai | 15 | - | 111 | 4 | 130 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Andela | Agriculture + A.H., Labour, Batai | 12 | - | 75 | 3 | 90 | 0.30-0.40 | | 0.50-0.60 | |
| | | Satarwas | Agriculture + A.H., Labour, Batai | 10 | 7 | 31 | 2 | 50 | 0.30-0.40 | | 0.50-0.60 | |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | Agriculture + A.H., Labour, Batai | 49 | - | 204 | 3 | 256 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Andela | Agriculture + A.H., Labour, Batai | 2 | - | 21 | - | 23 | 0.30-0.40 | | 0.50-0.60 | |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | Agriculture + A.H., Labour, Batai | 32 | - | 142 | 2 | 176 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Andela | Agriculture + A.H., Labour, Batai | 6 | - | 59 | - | 65 | 0.30-0.40 | | 0.50-0.60 | |
| | | Khajuriya | Agriculture + A.H., Labour, Batai | - | - | 21 | - | 21 | 0.30-0.40 | | 0.50-0.60 | |
| | | Khitwas | Agriculture + A.H., Labour, | - | - | 25 | - | 25 | 0.30-0.40 | | 0.50-0.60 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Batai | | | | | | | | | |
| **6** | Teela-IInd 2C2D2d2e | Mainwar (Richhpura) | Agriculture + A.H., Labour, Batai | 18 | - | 179 | 3 | 200 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Birdha | Agriculture + A.H., Labour, Batai | 12 | - | 86 | 2 | 100 | 0.30-0.40 | | 0.50-0.60 | |
| | | Andela (Teela) | Agriculture + A.H., Labour, Batai | 21 | - | 95 | 6 | 122 | 0.30-0.40 | | 0.50-0.60 | |
| **7** | Singepur 2C2D2d2h | Singepur | Agriculture + A.H., Labour, Batai | 45 | 16 | 217 | 4 | 282 | 0.30-0.40 | Improvement of agri.prod. Improvement of animal husbandry NRM, Livelihood activities | 0.50-0.60 | |
| | | Kokta | Agriculture + A.H., Labour, Batai | | | | | | 0.30-0.40 | | 0.50-0.60 | |
| | | Kalothara | Agriculture + A.H., Labour, Batai | 22 | 3 | 75 | 2 | 102 | 0.30-0.40 | | 0.50-0.60 | |
| | | Satoura | Agriculture + A.H., Labour, Batai | 5 | - | 26 | 1 | 32 | 0.30-0.40 | | 0.50-0.60 | |
| | Total of Project | | | 354 | 361 | 1581 | 44 | 2333 | | | | |

**Table 3.15: Present Livelihood Status (No. of households/Income per year) in IWMP-I, Lalitpur**

'Income in Lacs

| S. No | Name of MWS with code | Name of village | Activities | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Dairy | | Poultry | | Goatry | | Piggeries | | Fisheries | | Black Smithy | | Carpentry | | Stitching/ knitting | | Wages | | Agriculture & Other | |
| | | | No | Av. Income | No | Av. income | No | Av. income | No | Av. income | No | Av. income | No | Av. income | No | Av. income | No | Av. income | No | Av. income | No | Av. income |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | 8 | 0.21 | 4 | 0.3 | 15 | 0.22 | - | - | - | - | 4 | 0.19 | 5 | 0.2 | 4 | 0.2 | 67 | 0.18 | 290 | 0.25 |
| | | Singepur | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6 | 0.14 | 58 | 0.32 |
| | | Khitwas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7 | 0.29 |
| **2** | Satarwas 2C2D2d2c | Satarwas | - | - | - | - | 7 | 0.19 | - | - | - | - | - | - | - | - | - | - | 40 | 0.15 | 72 | 0.27 |
| | | Andela | - | - | - | - | 5 | 0.21 | - | - | - | - | - | - | - | - | - | - | 28 | 0.12 | 39 | 0.26 |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | - | - | - | - | 8 | .0.27 | - | - | - | - | - | - | - | - | - | - | 32 | 0.14 | 90 | 0.28 |
| | | Andela | - | - | - | - | 5 | 0.24 | - | - | - | - | - | - | - | - | - | - | 25 | 0.15 | 60 | 0.28 |
| | | Satarwas | - | - | - | - | 7 | 0.28 | - | - | - | - | - | - | - | - | - | - | 17 | 0.12 | 26 | 0.29 |
| **4** | Mainwar-I 2C2D2d2k | Mainwar | 4 | 0.19 | 8 | 0.18 | 20 | 0.21 | - | - | - | - | - | - | - | - | - | - | 50 | 0.18 | 176 | 0.24 |
| | | Andela | | | | 0.15 | | 0.24 | | | | | | | | | | | | 0.18 | 23 | 0.021 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5** | Mainwar-II 2C2D2d2b | Mainwar | 10 | 0.18 | 8 | 0.19 | 8 | 0.23 | - | - | - | - | 2 | 0.15 | 1 | 0.13 | 1 | 0.18 | 56 | 0.19 | 90 | 0.245 |
| | | Andela | 5 | 0.16 | 8 | 0.14 | 8 | 0.24 | - | - | - | - | 2 | 0.16 | 1 | 0.14 | 1 | 0.16 | 19 | 0.21 | 21 | 0.028 |
| | | Khajuriya | 2 | 0.19 | | | 2 | 0.21 | - | - | - | - | - | - | - | - | - | - | 7 | 0.21 | 10 | 0.027 |
| | | Khitwas | 2 | 0.21 | | | 2 | 0.22 | - | - | - | - | - | - | - | - | - | - | 6 | 0.21 | 15 | 0.25 |
| **6** | Teela-IInd 2C2D2d2e | Mainwar (Richhpura) | - | - | - | - | 15 | 0.18 | - | - | - | - | 3 | 0.14 | 2 | 0.2 | - | - | 28 | 0.13 | 152 | 0.28 |
| | | Birdha | - | - | - | - | 7 | 0.17 | - | - | 2 | 0.25 | 1 | 0.13 | - | - | - | - | 11 | 0.13 | 79 | 0.24 |
| | | Andela (Teela) | - | - | - | - | 11 | 0.18 | - | - | - | - | - | - | - | - | - | - | 19 | 0.14 | 92 | 0.23 |
| **7** | Singepur 2C2D2d2h | Singepur | 15 | 0.21 | 10 | 0.16 | 9 | 0.18 | | | | | | | | | | | 85 | 0.18 | 163 | 0.275 |
| | | Kokta | | | | | | | | | | | | | | | | | | | | |
| | | Kalothara | 5 | 0.24 | 2 | 0.18 | 8 | 0.18 | | | | | | | | | | | 25 | 0.16 | 62 | 0.25 |
| | | Satoura | 5 | 0.21 | 2 | 0.16 | 3 | 0.18 | | | | | | | | | | | 10 | 0.17 | 12 | 0.23 |
| | Project Total | | 56 | 0.20 | 42 | 0.21 | 140 | 0.195 | | | 2 | 0.25 | 12 | 0.154 | 9 | 0.167 | 6 | 0.18 | 531 | 0.16 | 1537 | 0.227 |

### 3.8 Hydrology, Water resources and Soil and moisture Conservation

Open shallow dug wells are the only means of irrigation in the area and these wells support only for life saving irrigation. In general, irrigation interval is low due to low water holding capacity of the soils. In the name of soil and moisture conservation only field bund Use of micro-irrigation is almost nil in the area. Groundwater status, irrigation status and source are given in Table 3.14, 3.15 and 3.16, respectively.

**Table 3.16: Ground Water Status in IWMP-I, Lalitpur**

| S. No. | Name & Code of Micro watershed | Name of Village | Depth of Ground Water Table (Below Ground level) in Meter | | No. of Observation well | Remarks |
|---|---|---|---|---|---|---|
| | | | Before Monsoon | After Monsoon | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya, Singepur Khitwas | 9.90 | 7.80 | 06 | |
| **2** | Satarwas 2C2D2d2c | Satarwas Andela | 7.80 | 6.30 | 07 | |
| **3** | Teela-Ist 2C2D2d2d | Mainwar, Andela Satarwas | 7.80 | 6.00 | 03 | |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar Andela | 7.70 | 6.20 | 06 | |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar, Andela Khajuriya, Khitwas | 7.30 | 6.00 | 07 | |
| **6** | Teela-IInd 2C2D2d2e | Mainwar (Richhpura) Birdha, Andela (Teela) | 7.25 | 5.50 | 05 | |
| **7** | Singepur 2C2D2d2h | Singepur, Kokta Kalothara, Satoura | 9.20 | 7.50 | 07 | |

Depth of water table in open shallow dug wells in the project area was about 8-10 m during pre monsoon, however it was in the range of 6-8 m during post monsoon season.

**Table 3.17: Irrigation status**

**Project- IWMP -I** **District -Lalitpur**

| S. No. | Name & Micro Watershed with code | Name of Village | Gross Cultivated Area | | | | Net Cultivated Area | Gross Irrigated Area | | | | Net Irrigated Area | Rainfed Area |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Kharif | Rabi | Zaid | Total | | Kharif | Rabi | Zaid | Total | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | 158.76 | 770.000 | | 928.76 | 775 | | 60.00 | | 60.000 | 60.00 | 703.00 |
| | | Singepur | | | | | | | | | | | |
| | | Khitwas | | | | | | | | | | | |
| **2** | Satarwas 2C2D2d2c | Satarwas | 122 | 390.000 | | 512 | 405 | | 38.00 | | 41.880 | 38.00 | 367.000 |
| | | Andela | | | | | | | | | | | |
| | | KHitwas | | | | | | | | | | | |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | 235 | 565.000 | | 800 | 572 | | 46.000 | | 46.000 | 46.000 | 518.000 |
| | | Andela | | | | | | | | | | | |
| | | Satarwas | | | | | | | | | | | |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | 270 | 525.000 | | 795 | 538 | | 45.500 | | 45.500 | 45.500 | 484.000 |
| | | Andela | | | | | | | | | | | |
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | 320 | 520.000 | | 840 | 539 | | 43.000 | | 43.000 | 43.000 | 478.000 |
| | | Andela | | | | | | | | | | | |
| | | Khajuriya | | | | | | | | | | | |
| | | Khitwas | | | | | | | | | | | |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | 158.76 | 890.000 | | 1048.76 | 905 | | 70.500 | | 70.500 | 70.500 | 820.000 |
| | | Andela | | | | | | | | | | | |
| | | Birdha | | | | | | | | | | | |
| **7** | Singepur 2C2D2d2h | Singepur | 554 | 802.000 | | 1356 | 824 | | 65.000 | | 65.000 | 65.000 | 749.000 |
| | | Kalothara | | | | | | | | | | | |
| | **Total** | | 1818.52 | 4462.000 | | 6280.52 | 4558 | | 368.000 | | 368.000 | 368.000 | 4119.000 |

**Table 3.18: Sourcewise Irrigation**

| S. No. | Name &Micro watershed with code | Name of Village | Canal Area | State Tube wells | | Tanks | | Open well | | Bore wells | | Lift irrigation | | Others (Specify) Rainfed | | Total Irrigated Area | Remarks (Rainfed area Ha.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | No. | Area | No. | Area | No. | Area | No. | Area | No. | Area | No. | Area | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| **1** | Khajuriya 2C2D2d2a | Khajuriya | | | | | | 3 | 12.00 | 4 | 48.00 | | | | | | |
| | | Singepur | | | | | | | | | | | | | | | |
| | | Khitwas | | | | | | | | | | | | | | | |
| **2** | Satarwas 2C2D2d2c | Satarwas | | | | | | 4 | 7 | 3 | 31.00 | | | | | | |
| | | Andela | | | | | | | | | | | | | | | |
| **3** | Teela-Ist 2C2D2d2d | Mainwar | | | | | | 3 | 11.000 | 5 | 35.00 | | | | | | |
| | | Andela | | | | | | | | | | | | | | | |
| | | Satarwas | | | | | | | | | | | | | | | |
| **4** | Mainwar-Ist 2C2D2d2k | Mainwar | | | | | | 5 | 12.50 | 4 | 32.50 | | | | | | |
| | | Andela | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5** | Mainwar-IInd 2C2D2d2b | Mainwar | | | | | | 4 | 8.50 | 5 | 34.50 | | | | | | |
| | | Andela | | | | | | | | | | | | | | | |
| | | Khajuriya | | | | | | | | | | | | | | | |
| | | Khitwas | | | | | | | | | | | | | | | |
| **6** | Teela-IInd 2C2D2d2e | Mainwar | | | | | | 6 | 18 | 7 | 52.00 | | | | | | |
| | | Andela | | | | | | | | | | | | | | | |
| | | Birdha | | | | | | | | | | | | | | | |
| **7** | Singepur 2C2D2d2h | Singepur | | | | | | 5 | 17 | 5 | 48.00 | | | | | | |
| | | Kalothara | | | | | | | | | | | | | | | |
| | | Satoura | | | | | | | | | | | | | | | |

Chapter-4

# INSTITUTIONAL BUILDING AND PROJECT MANAGEMENT

## 4.1 Project Implementing Agency

The Project Implementing Agency (PIA) is Soil Conservation Officer, Department of Land Development and Water Resources, IWMP-I, Jhansi-II, Jhansi, Uttar Pradesh. The PIA was given responsibility to develop the micro-watershed by District Watershed Development Unit (DWDU) and State Level Nodal Agency (SLNA) considering its vast experiences in handling land and water management issues in the region. The PIA has well experienced trained and sufficient staff to handle the watershed management programme efficiently. Most of the staff of PIA has exposure of several watershed projects. In addition the PIA has access for technical backstopping from the ICAR viz. IGFRI and NRCAF, and KVK located at Jhansi. Details of PIA are presented in subsequent section.

**Table 4.1: Details of Project Implementing Agency (PIA), IWMP-I, Lalitpur**

| S. No. | Particulars of PIA | |
|---|---|---|
| 1 | 2 | 3 |
| **(i)** | **Date of selection of PIA** | **23/08/2010** |
| **(ii)** | **Type of organization#** | **Government Agency** |
| **(iii)** | **Name of organization** | **Department of Land Development & Water Resourses** |
| **(iv)** | **Designation & Address** | **Bhoomi Sanrakhan Adhikari, LDWR, Lalitpur, Unit-I**<br>**Saras Bhawan, Jail Chouraha, Lalitpur** |
| **(v)** | **Telephone** | **BSA: 09412229647** |
| **(vi)** | **Fax** | **05176-276430** |
| **(vii)** | **E-mail** | **Bsaldwrla.up@nic.in** |

**4.2: Details of Staff at PIA**

| S. NO. | Designation | Name | M/F | Qualification | Field of Experience & Period | Remarks |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 |
| | S.S.A. | Mr. Y. N. Dubey | M | Diploma in Civil Engg. | 31 | 55 |
| | J.E. | ,, Rajendra yadav | M | Intermediate A.G. Engg.Diploma | 27 | 50 |
| | Accountant | ,, Rampal | M | M.Com. | 27 | 52 |
| | Seniour Clerk | ,, Ramswarup babu | M | B.A. | 32 | 53 |
| | junior Clrek | ,, Jairam Toiwari | M | M.A. | 31 | 54 |
| | A.S.C.I. | ,, Raghuveer Singh | M | B.Sc.Ag. | 33 | 58 |
| | A.S.C.I. | ,, Salendra Yadav | M | B.Sc.Ag. | 29 | 52 |
| | A.S.C.I. | ,, Vinay Kumar yadav | M | M.A. Diploma in A.g. | 33 | 57 |
| | Sench Parvechak | ,, Raghuraj Singh | M | Intermediate | 26 | 48 |
| | Sench Parvechak | ,, Salig Ram Tiwari | M | Intermediate | 26 | 52 |
| | Seench Pal | ,, Hari Shankar Tiwari | M | Intermediate | 26 | 52 |
| | Seench Pal | ,, Vinod Kumar Shrama | M | Intermediate | 32 | 56 |
| | Tracer | ,, Dhrampal Singh | M | Intermediate & Diploma. | 08 | 26 |
| | Driver | ,, Harichandra Vishkarma | M | High School | 27 | 56 |
| | IV Class | ,, Jasvant Singh | M | Litrate | 30 | 50 |
| | IV Class | ,, Chintaman | M | Litrate | 34 | 56 |

Note:- Details of all the persons working in BSA Unit is to be incorporated

**Table 4.3: Details of Watershed Development Team (WDT) in the project area**

**Project- IWMP -I** **PIA-BSA, LDWR, Lalitpur-I** **District -Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| S. N. | Name of WDT member | M/F# | Age | Qualification / Experience | Description of professional training | Role/ Function## | Date of appointment of WDT member |
| 1 | Mr. Krishna Deep Tiwari | M | 27 | B.Sc. Ag. | | Agriculture Specialist | 01/09/2011 |
| 2. | Mr. Jitendra Singh Parmar | M | 30 | Graduate | | Social Mobilizer | 01/08/2011 |

**Details of Watershed Committee (WC)**

The project IWMP-I spread over in 09 villages of 07 gram panchayat. Gram panchayat wise watershed committee was constituted, except Gata and Sujwan, and detailes are given in below Table.

**Table 4.4: Watershed Committee, Khajuriya : Gram Panchayat - Khajuriya**

**Name of Project : IWMP-IIWMP District- Lalitpur**

| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 1 | Khajuriya | 2.9.2010 | President | M | | | | □ | | | □ | | | | B.A. | Implementation of Watershed programme under the supervision of |
| | | | Secretary | M | | | | □ | | | □ | | | | Inter | |
| | | | Member | M | | | | | □ | | □ | | | | $5^{th}$ | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | | | □ | | □ | | | | 5th | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | | □ | | | □ | □ | | | Literate | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Member | M | □ | | | | □ | | | | □ | | Literate | PIA (as per common guide lines |
| | | | Member | F | □ | | □ | | | | | | □ | | Literate | |
| | | | Member | F | | | | | □ | | | □ | □ | | B.A. | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Satarwas : Gram Panchayat - Satarwas** **Name of Project:- IWMP I** **District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 2 | Satarwas | 2.9.2010 | President | M | | | | | □ | | | | | | B.Com. | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | | | | □ | | | | | | | B.A. | |
| | | | Member | F | | | | | | | | | □ | | Literate | |
| | | | Member | M | □ | | □ | | | | | | □ | | Literate | |
| | | | Member | F | | | | □ | | | | □ | | | 5th | |
| | | | Member | M | | | | □ | | | | □ | | | BA | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | | □ | | | □ | | | | Literate | |
| | | | Member | M | | | | □ | | | □ | | | | Literate | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Andela : Gram Panchayat - Andela** **Name of Project:- IWMP**
**District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 3 | Andela | 2.9.2010 | President | M | | | □ | | | | □ | | | | Literate | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | | | □ | | | | | | | | B.A. | |
| | | | Member | M | | | | □ | | | | | □ | | 5th | |
| | | | Member | F | | | □ | | | | | | □ | | Literate | |
| | | | Member | F | | | | □ | | | | □ | | | Literate | |
| | | | Member | F | | | | □ | | | | □ | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag | |

**Watershed Committee, Birdha : Gram Panchayat - Birdha** **Name of Project:- IWMP**
**District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 4 | Birdha | 3.9.2010 | President | F | | | | | □ | | □ | | | | B.A. | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | □ | | □ | | | | □ | | | | Inter | |
| | | | Member | M | | | □ | | | | □ | | | | 5th | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | | □ | | | □ | | | | 5th | |
| | | | Member | M | | | □ | | | | □ | | | | | |
| | | | Member | M | □ | | | | | | | | □ | | | |
| | | | Member | F | □ | | | | | | | | □ | | | |
| | | | Member | M | □ | | | □ | | | | □ | | | 10th | |
| | | | Member | M | | | | | | | | □ | | | | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Khitwas : Gram Panchayat - Khitwas** **Name of Project:- IWMP District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 5 | Khitwas | 3.9.2010 | President | F | | | | | | | □ | | | | 8th | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | | | □ | | | | □ | | | | Inter | |
| | | | Member | M | | | □ | | | | □ | | | | $5^{th}$ | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | | □ | | | | | □ | | Literate | |
| | | | Member | F | | | | □ | | | | | □ | | Literate | |
| | | | Member | M | □ | | | | | | | □ | | | Literate | |
| | | | Member | M | □ | | | | | | | □ | | | Literate | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Mainwar : Gram Panchayat - Mainwar** **Name of Project:- IWMP District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 6 | Mainwar | 4.9.10 | President | F | | | □ | | | | □ | | | | Literate | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | | | □ | | | | □ | | | | Inter | |
| | | | Member | M | | | □ | | | | □ | | | | 5th | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | M | | | □ | | | | □ | | | | Literate | |
| | | | Member | | | | □ | | | | □ | | | | Literate | |
| | | | Member | | | | □ | | | | | | □ | | Literate | |
| | | | Member | | | | □ | | | | | | □ | | Illiterate | |
| | | | Member | | | | □ | | | | | □ | | | Illiterate | |
| | | | Member | | | | □ | | | | | □ | | | Illiterate | |
| | | | Member | | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Satoura : Gram Panchayat - Kalothra** **Name of Project:- IWMP District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 7 | Kalothra | 4.9.2010 | President | M | | | | | □ | | □ | | | Pradhan | 10 | Implementation of Watershed programme under the supervision of PIA (as per common guide lines es |
| | | | Secretary | M | | | | | | | □ | | | | 10 | |
| | | | Member | M | | | | □ | | | □ | | □ | | 10 | |
| | | | Member | M | | | | | | | □ | | | | 8 | |
| | | | Member | M | | | □ | | | | □ | | | | 12 | |
| | | | Member | M | | | □ | | | | | | □ | | 10 | |
| | | | Member | M | | | □ | | | | | □ | | | 10 | |
| | | | Member | M | | | | | | | | □ | | | 8 | |
| | | | Member | M | | | | | | | □ | | | | 8 | |
| | | | Member | M | | | | | | | | | | | 8 | |
| | | | Member | | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Satarwas Gram Panchayat Singepur** **Name of Project:- IWMP District- Lalitpur**

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
| 8 | Singepur | 4.9.2010 | President | M | | | | | □ | | □ | | | | 8th | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | □ | | | □ | | | □ | | | | 10th | |
| | | | Member | M | | | | | □ | | | | □ | | $5^{th}$ | |
| | | | Member | M | | | | | □ | | □ | | | | Literate | |
| | | | Member | M | | | | | □ | | □ | | | | 5th | |
| | | | Member | M | | | | □ | | | □ | | | | | |
| | | | Member | M | | | | □ | | | | □ | | | | |
| | | | Member | M | | | | □ | | | | | □ | | | |
| | | | Member | M | | | □ | | | | | □ | | | | |
| | | | Member | M | □ | | □ | | | | □ | | | | | |
| | | | Member | M | | | | | | | | | | WDT | B.Sc. Ag. | |

**Watershed Committee, Satarwas Gram Panchayat - Satoura** **Name of Project:- IWMP District- Lalitpur**

| Sl. No. | Name of Gram Sabha/ GP | Date of Constitution/ Registration as a Society (dd/mm/ yyyy) | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function(s) assigned# |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Satoura | 2.9.2010 | President | M | | | | | □ | | □ | | | Pradhan | 10 | Implementation of Watershed programme under the supervision of PIA (as per common guide lines |
| | | | Secretary | M | □ | | □ | | | | | | | | 10 | |
| | | | Member | M | □ | | □ | | | | | | □ | | 8 | |
| | | | Member | M | □ | | □ | | | | □ | | □ | | 8 | |
| | | | Member | M | | | | □ | | | □ | | | | 5 | |
| | | | Member | | | | | □ | | | □ | | | | 8 | |
| | | | Member | | | | | □ | | | □ | | | | 8 | |
| | | | Member | | | | | | | | □ | | | | 8 | |
| | | | Member | | | | | | □ | | | | | | 10 | |
| | | | Member | | | | □ | | | | | | | | 8 | |
| | | | Member | | | | | | | | | | | WDT | B.Sc. Ag. | |

**Details of Self Help Groups (SHGs) in the project area**

There were 09 villages in the project area and village-wise Self Help Groups (SHGs) constituted is given in Table 4.5. Total 34 SHGs were already constituted in the project villages, of them, 24 are men SHGs, 8 women SHGs and 2 mixed SHGs, respectively. Total 144 SHGs have to be constituted to ensure the livelihood of marginalized population in the project. Formation of remaining 110 SHGs is in progress. Livelihood Action Plan is given in Annexure-I.

**Table 4.5: Village wise details of Self Help Groups (SHGs) in the project area IWMP- I Lalitpur**

| 1 | 2 | 3 | 4 | | | | 5 | | | | 6 | | | 7 | | | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S. N. | Name of MWS | Names of villages | Total no. of Constituted/registered SHGs | | | | No. of members | | | | No. of SC/ST in each category | | | No. of BPL in each category | | | Date of formation of SHGs |
| | | | With only Men | With only Women | With both | Total | Categories | M | F | Total | M | F | Total | M | F | Total | |
| 1 | Khajuriya | Khajuriya | 1 | | 1 | 2 | (i) Landless | | 6 | 6 | | 6 | 6 | | | | 26.8.11 |
| | | | | | | | (ii) SF | 10 | | 10 | 10 | | 10 | 10 | | 10 | |
| | | | | | | | (iii) MF | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | |
| | | Singepur | 1 | 1 | | 2 | (i) Landless | 10 | 12 | 22 | 10 | 12 | 22 | 5 | 3 | 8 | 19.11.11 |
| | | | | | | | (ii) SF | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | |
| 2 | Satarwas | Satarwas | 2 | | 1 | 2 | (i) Landless | 13 | 5 | 18 | 13 | 5 | 18 | | | | 21.1.10 |
| | | | | | | | (ii) SF | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | (iii) MF | | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |
| | | Andela | | 1 | | | (i) Landless | | 11 | 11 | | 11 | 11 | | 3 | 3 | 11.8.11 | |
| | | | | | | | (ii) SF | | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |
| 3 | Teela-Ist | Mainwar | 2 | | | 2 | (i) Landless | 18 | | 18 | 18 | | | 3 | | 3 | 17.11.77 | |
| | | | | | | | (ii) SF | 1 | | 1 | 1 | | | 1 | | 1 | | |
| | | | | | | | (iii) MF | 1 | | 1 | 1 | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |
| | | Birdha | 2 | | | 2 | (i) Landless | 22 | | 22 | | | | 19 | | 19 | | |
| | | | | | | | (ii) SF | | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |
| | | Andela | | | | | (i) Landless | | | | | | | | | | | |
| | | | | | | | (ii) SF | | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |
| 7 | Singepur | Singepur | | | | | (i) Landless | | | | | | | | | | | |
| | | | | | | | (ii) SF | | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Kokta | | | | | (i) Landless | | | | | | | | | | |
| | | | | | | | (ii) SF | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | |
| | | Kalothara | | 1 | | 1 | (i) Landless | | 12 | 12 | | 12 | 12 | | 4 | 4 | 27.8.11 |
| | | | | | | | (ii) SF | | | | | | | | | | |
| | | | | | | | (iii) MF | | | | | | | | | | |
| | | | | | | | (iv) LF | | | | | | | | | | |

**Table 4.6: Details of Formation of Self Help Groups**

**Project- IWMP -I** **District-Lalitpur**

| S. N. | Name of micro watershed | Name of village | Name of Groups | Date of constitution | Name of Adhyaksh | Name of Sachiv | Total No. of Members | | | | Name of Bank and Address | Account No. & Date | Up to date saving | Group Activities |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Women | Sc/ ST | Other | Total | | | | |
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | 13 |
| **1** | Khajuriya | Khajuriya | Ramraja SHG | 26.08.11 | Prem Narayan | Prakash | - | - | 10 | 10 | Under Process | - | - | Goatary |
| | | | Krishna SHG | 26.8.11 | Mahendra Barar | Vijay | 6 | 4 | | 10 | | | | Bas Daliya |
| | | Singepur | Maa Laxmi | 19.11.11 | Bhagwati | Kusum | 12 | 12 | - | 12 | Under Process | | | Poultry |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SHG | | | | | | | | | | | |
| | | | Karma Bai | | Karan | Deshraj | | 10 | | 10 | | | | Goatary |
| | | Khitwas | 01 SHG | Under Process | | | | | | | Under Process | | | |
| | **Total** | | **5** | | | | | | | | | | | |
| **2** | Satarwas | Satarwas | Jai Bheem SHG | 21.1.12 | Mahan Lal | Suresh | 3 | 6 | 3 | 6 | Under Process | | | Goatary |
| | | | Jai Bajrang SHG | | Koshlya | Somakshi | 5 | 6 | 1 | 6 | | | | Goatary |
| | | | Barya SHG | | Dharmendra | Rajkumar | | 6 | 6 | 6 | | | | Daiey |
| | | Andela | 01 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **04** | | | | | | | | | | | |
| **3** | Teela-Ist | Mainwar | **03 SHG** | **Under Process** | | | | | | | | | | |
| | | Andela | Krishna SHG | 21.11.11 | Kera | Suman | 10 | - | - | 10 | Under Process | | | |
| | | | 01 SHG | Under Process | | | | | | | | | | |
| | | Satarwas | 01 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **06** | | | | | | | | | | | |
| **4** | Mainwar-Ist | Mainwar | Bajrang SHG | 17.11.11 | Bhagirath | Suresh | | 10 | | 10 | | | | Dairy |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Jai Bhawani SHG | 17.11.11 | Tulsi Ram | Arjun | | 10 | | 10 | | | | Dairy |
| | | Andela | 01 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **03** | | | | | | | | | | | |
| **5** | Mainwar-Iind | Mainwar | 02 SHG | Under Process | | | | | | | | | | |
| | | Andela | Hardol SHG | 11.8.11 | Guddi Rajak | Sunita Rajak | 11 | 11 | | 11 | SBI Khitwas | 32021485937 | 1700 | Goatery |
| | | Khajuriya | 01 SHG | Under Process | | | | | | | | | | |
| | | Khitwas | 01 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **05** | | | | | | | | | | | |
| **6** | Teela-IInd | Reechpura | Maa saraswati SHG | 29.11.11 | Raju | Shishupal | | | 7 | 7 | under Process | | | Masala |
| | | Birdha | Bhimrao Ambedkar SHG | 25.12.11 | Chandrabhan | Vimlesh | | | 11 | 11 | Under Process | | | Goatary |
| | | | Radh Krishna SHG | | Jitendra | Nand Kishore | | | 11 | 11 | Under Process | | | Poultry |
| | | Teela | Shivshankar SHG | 8.8.11 | Ladkunwar | Nanhi Dulaiya | 14 | | 14 | 14 | PNB, Birdh | 123900010012262 1 | 6000 | Dairy |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Anjani SHG | 5.8.11 | Maida Rajak | Rachna | 12 | 4 | 8 | 12 | PNB, Birdh | 123900010012261 2 | | Dairy |
| | | Teela | 02 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **07** | | | | | | | | | | | |
| **7** | Singepur | Singepur | 02 SHG | Under Process | | | | | | | | | | |
| | | Kalothara | Ambedkar SHG | 27.811 | Rekha Rani | Geeta | 12 | 12 | | 12 | PNB, Birdha | 123900010012399 4 | 5000 | Dairy |
| | | Satoura | 01 SHG | Under Process | | | | | | | | | | |
| | **Total** | | **04** | | | | | | | | | | | |
| | **Total for Project** | | **34** | | | | | | | | | | | |

**Table 4.7: Micro-watershed wise details of User Groups in IWMP-I, Lalitpur**

| 1 | 2 | 3 | 4 | | | | 5 | | | | 6 | | | | 7 | | | 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S. N. | Name of MWS | Names of villages | Total no. of Ugs | | | | No. of members | | | | No. of SC/ST in each category | | | | No. of BPL in each category | | | Date of formation of UGs |
| | | | With only Men | With only Women | With both | Total | Categories | M | F | Total | M | F | Total | | M | F | Total | |
| 1 | Khajuriya | Khajuriya | 14 | - | 3 | 17 | (i) Landless | | | 0 | | | | | | | | |
| | | Singepur | | - | | | (ii) Marginal | 8 | | 8 | 2 | | 6 | | 2 | | 2 | |
| | | | | - | | | (iii) Small | 14 | 3 | 17 | | | 5 | | 2 | 1 | 3 | |
| | | | | - | | | (iv) Middle | 54 | | 54 | | 1 | 6 | | | | 0 | |
| | | | | - | | | (V) Big Farmers | 12 | | 12 | 1 | | 1 | | | | | |
| | **Sub Total** | | | | | | | **88** | 3 | **91** | **3** | **1** | **18** | | **4** | | **4** | |
| 2 | Satarwas | Satarwas | 14 | - | 8 | 22 | (i) Landless | | | 0 | | | | | | | | |
| | | Andela | | - | | | (ii) Marginal | 33 | 6 | 39 | | | 0 | | 6 | 1 | 7 | |
| | | | | - | | | (iii) Small | 49 | 5 | 54 | 2 | | 2 | | 2 | | 2 | |
| | | | | - | | | (iv) Middle | 43 | 6 | 47 | | | 0 | | | | | |
| | | | | - | | | (V) Big Farmers | 13 | 3 | 16 | | | 0 | | | | | |
| | **Sub Total** | | | | | | | **68** | **12** | **78** | **2** | **0** | **2** | | **8** | **1** | **9** | |
| 3 | Teela-Ist | Mainwar | 6 | - | 10 | 16 | (i) Landless | | | 0 | | | | | | | | |
| | | Andela | | - | | | (ii) Marginal | 13 | 6 | 14 | 2 | | 2 | | 4 | | 4 | |
| | | Satarwas | | - | | | (iii) Small | 16 | 8 | 28 | 3 | | 3 | | 2 | | 2 | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | - | | | (iv) Middle | 14 | 1 | 17 | 1 | | 1 | | | | |
| | | | | - | | | (V) Big Farmers | 11 | 1 | 11 | 1 | | 1 | | | | |
| | **Sub Total** | | | | | | | **54** | **16** | **70** | | | **7** | **6** | | **6** | |
| 4 | Mainwar-Ist | Mainwar | 13 | - | 9 | 22 | (i) Landless | | | | | | | | | | |
| | | Andela | | - | | | (ii) Marginal | 30 | 2 | 32 | 7 | 1 | 7 | 6 | 1 | 7 | |
| | | | | - | | | (iii) Small | 37 | 6 | 43 | 5 | 1 | 6 | 4 | | 4 | |
| | | | | - | | | (iv) Middle | 59 | 9 | 68 | 3 | 1 | 4 | | | | |
| | | | | - | | | (V) Big Farmers | 11 | 5 | 16 | | | 1 | | | | |
| | **Sub Total** | | | | | | | **127** | **22** | **159** | **15** | **3** | **18** | **10** | **1** | **11** | |
| 5 | Mainwar-IInd | Mainwar | 17 | - | 2 | 19 | (i) Landless | | | | | | | | | | |
| | | Andela | | - | | | (ii) Marginal | 21 | 3 | 24 | 8 | 1 | 9 | 3 | 1 | 4 | |
| | | Khajuriya | | - | | | (iii) Small | 18 | 11 | 29 | 6 | 2 | 8 | 3 | | 3 | |
| | | Khitwas | | - | | | (iv) Middle | 29 | 7 | 36 | 4 | | 4 | | | | |
| | | | | - | | | (V) Big Farmers | 11 | | 11 | | | | | | | |
| | **Sub Total** | | | | | | | **79** | **21** | **100** | **18** | **3** | **21** | **6** | **1** | **7** | |
| 6 | Teela-IInd | Mainwar | 19 | - | 4 | 23 | (i) Landless | | | | | | | | | | |
| | | Birdha | | - | | | (ii) Marginal | 17 | 1 | 18 | 9 | 3 | 12 | 5 | 1 | 6 | |
| | | Andela | | - | | | (iii) Small | 24 | 2 | 26 | 3 | 4 | 7 | 5 | | 5 | |
| | | | | - | | | (iv) Middle | 36 | 3 | 39 | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | - | | | (V) Big Farmers | 13 | 1 | 14 | | | | | | | |
| | **Sub Total** | | | | | | | **90** | **7** | **97** | **12** | **7** | **19** | **10** | **1** | **11** | |
| 7 | Singepur | Singepur | 19 | - | 5 | 24 | (i) Landless | | | | | | | | | | |
| | | Kalothra | | - | | | (ii) Marginal | 23 | 1 | 24 | 12 | 1 | 13 | 4 | | 4 | |
| | | Satoura | | - | | | (iii) Small | 27 | 2 | 29 | 9 | 2 | 11 | 2 | | 2 | |
| | | | | | | | (iv) Middle | 36 | 2 | 38 | 3 | 1 | 4 | | | | |
| | | | | | | | (V) Big Farmers | 13 | 1 | 14 | | | | | | | |
| | **Sub Total** | | | | | | | **102** | **6** | **105** | **24** | **4** | **28** | **6** | | **6** | |
| | **TOTAL of Project** | | **102** | | **41** | **143** | | **608** | **87** | **700** | **74** | **18** | **113** | **50** | **4** | **54** | |

**Table 4.8: Micro-watershed wise details of User Groups in IWMP-I, Lalitpur**

| S. N. | Name of micro watershed | Name of village | Name of Groups | Date of constitution | Name of Adhyaksh | Name of Sachiv/Treasurer | Total No. of Members | | | | Name of Bank and Address | Account No. & Date | Upto date saving | Group Activities | Status of User Agreement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Wo-men | Sc/ ST | Other | Total | | | | | |
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | Under Process | | | Irrigation | Under Process |
| **1** | Khajuriya | Khajuriya | GP-4 | | Rajesh | Ram Prasad | | | 6 | 6 | Under Process | | | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GP-7 | | Ramdas | Barelal | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-8 | | Munna Lal | Pawan | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-9 | | Prakash | Ramsaevak | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-13 | | Harprasad | Padam | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | Harcharan | Nandram | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-6 | | Swami prasad | Veer Singh | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | CD-9 | | Mukhtar | Jamil | 1 | | 2 | 3 | Under Process | Irrigation | Under Process |
| | | | CD-16 | | Brijnandan | Shyamlal | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-19 | | Nouse | Sattar | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-15 | | Bharat | Dashrath | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-22 | | Sukhdev | Munish | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | | CD-25 | | Lakhan | Nababkhan | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Bihari | Ganesh | 1 | | 2 | 3 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Dharmend | Jamna | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-4 | | Manbhawan | Tulsiram | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-5 | | Sri Ram | Balchand | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | Singepur | GP-1 | | Rajesh | Ramprasad | | | 5 | 5 | Under Process | Irrigation | Under |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Process |
| | | | GP-5 | | Munna Lal | Gopi | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-2 | | Roopchand | Hariram | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | **Total** | | **20** | | | | **10** | **8** | **88** | **92** | | | |
| **2** | Satarwas | Satarwas | CD-10 | | Bhajan Lal | Kashiram | 1 | | 1 | 2 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Pancham Singh | Durga Prasad | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Jagdish Prasad | Hari Singh | | | 1 | 1 | Under Process | Irrigation | Under Process |
| | | | WHB-4 | | Kamlesh | Veerandra Singh | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | | CD-9 | | Narayan Singh | Anant Ram | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-7 | | Ram Kumar | Vijay Kumar | 2 | | 4 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-16 | | Brish Bhan | Rahul | 1 | | 2 | 3 | Under Process | Irrigation | Under Process |
| | | | CD-17 | | Jitendra Singh | Kammod | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | CD-15 | | Bhagwan Singh | Lakhan | 2 | 1 | 1 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-18 | | Mohan Lal | Harpal Singh | | 1 | 2 | 3 | Under Process | Irrigation | Under Process |
| | | | GP-15 | | Phoola Bai | Gulab Singh | 2 | | 3 | 5 | Under Process | Irrigation | Under Process |
| | | | GP13 | | Durga Prasad | Deshraj | 1 | | 1 | 2 | Under Process | Irrigation | Under Process |
| | | | GP-16 | | Shiv Prasad | Kundan | | | 2 | 2 | Under Process | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Andela | GP-2 | | Mani Ram | GoreLal | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-4 | | Parsadi | GoreLal | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | GP-19 | | Bhagunta | Rakshpal Singh | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-5 | | Bhaiyalal | Bahadur Singh | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-6 | | Niranjan Singh | Bal Chand | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | CD-4 | | Hanumat Singh | Munna Lal | 2 | | 2 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-18 | | Ramkesh | Jahar Singh | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | GP-8 | | Raja Ram | Bhagwat Singh | 1 | | 2 | 3 | Under Process | Irrigation | Under Process |
| | | | GP-5 | | Asha Ram | Ghanshyam | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | **Total** | | **22** | | | | **12** | **2** | **64** | **78** | | | |
| **3** | Teela-Ist | Mainwar | WHB-4 | | Har Charan | Bhujje | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-9 | | Mithlesh kuwar | Roop Singh | 3 | | | 3 | Under Process | Irrigation | Under Process |
| | | | CD-1 | | Majboot Singh | Raj kumar | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | Ram Karan | Indrapal Singh | 2 | | 2 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-4 | | Hari Ram | Karan Singh | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-5 | | Khilan | Shyam | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-3 | | Shiv rani | Bhaiyan | 1 | | 5 | 6 | Under Process | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GP-4 | | Khakim Singh | Nathu Ram | 1 | | 5 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-5 | | Jasvir Singh | Anil Kumar | 2 | 2 | 2 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-6 | | Sundar | Kripal Singh | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | Andela | WHB-1 | | Parsadi | Sita Ram | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Bhagunta | Ramkesh | 1 | | 1 | 2 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Phool Singh | Shibu | | 1 | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | **GP-9** | | **Mithlesh kuwar** | **Roop Singh** | **3** | | | **3** | Under Process | Irrigation | Under Process |
| | | | GP-7 | | Bhagirath | Pancham Singh | | 1 | 5 | 5 | Under Process | Irrigation | Under Process |
| | | Satarwas | CD-6 | | Deshraj | Jageshwar | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | **Total** | | **16** | | | | **16** | **4** | **51** | **70** | | | |
| **4** | Mainwar-I | Mainwar | GP-1 | | Ashok Kumar | Malthu | 2 | | 9 | 11 | Under Process | Irrigation | Under Process |
| | | | GP-3 | | Ramal Kumar | Ajjuddi | 1 | | 5 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-4 | | Bhagirath | Ramswaroop | 2 | 2 | 4 | 8 | Under Process | Irrigation | Under Process |
| | | | GP-9 | | Bacchu | Sunil | 1 | 2 | 5 | 8 | Under Process | Irrigation | Under Process |
| | | | GP-2 | | Hari Ram | Ganesh | 1 | | 7 | 8 | Under Process | Irrigation | Under Process |
| | | | CD-1 | | Bhaiya la | Kalle | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-4 | | Ramswaroop | Ramdas | 1 | 2 | 5 | 8 | Under Process | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CD-6 | | Manoj | Geeta | 4 | | 3 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-9 | | Diwan Singh | Majbut Singh | 1 | | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-12 | | Govind Singh | Mulayam | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-2 | | Jasua | Ashok Kumar | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-7 | | Udaibhan | Ghanshyam | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-14 | | Sri Ram | Phoolchnad | 2 | | 2 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-1 | | Kissu Pal | Gole Thakur | 1 | | 6 | 7 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Prabhat | Anand Kumar | 2 | | 6 | 8 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Kallu Yadav | Bhaiya Lal | | | 9 | 9 | Under Process | Irrigation | Under Process |
| | | | WHB-4 | | Bal Chand | Brijesh Yadav | | | 11 | 11 | Under Process | Irrigation | Under Process |
| | | | WHB-5 | | Jasua | Gubanda | 3 | 4 | | 7 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | | | | | 9 | 9 | Under Process | Irrigation | Under Process |
| | | | GP-7 | | | | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | Andela | CD-8 | | | | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-6 | | Ram Singh | Munna | | | 8 | 8 | Under Process | Irrigation | Under Process |
| | **Total** | | **22** | | | | **22** | **10** | **127** | **159** | | | |
| **5** | Mainwar-II | Mainwar | CD-1 | | Sunder | Munni | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CD-2 | | Komal Yadav | Sita Ram | 2 | | 5 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | Mohar Pal | Laxman | 2 | | 6 | 8 | Under Process | Irrigation | Under Process |
| | | | CD-4 | | Sallan | Rabude | | 3 | 3 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-1 | | Chali raja | Gokul | 1 | | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-3 | | Govind Singh | Mohan | 1 | 2 | 3 | 6 | Under Process | Irrigation | Under Process |
| | | | GP-4 | | Gyasi | Nirbhan Lodhi | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-5 | | Sovrab | Prithvi | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-6 | | Ghanshya m | Rajesh | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | WHB-1 | | Dayaram | Phoolchand | 2 | 2 | 2 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Morpal | Badi Dulaiya | 1 | 1 | 2 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Bhagirath | Khem Chand | | 3 | 3 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-4 | | Galli Kushwaha | Hari Ram | 3 | | 2 | 5 | Under Process | Irrigation | Under Process |
| | | | WHB-5 | | Rabuda | Girja Devi | 5 | | 1 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-6 | | Kassu Pal | Damma Ahirwar | | 4 | 3 | 7 | Under Process | Irrigation | Under Process |
| | | Khajuriy a | CD-5 | | Mouji | Jahar | 3 | 2 | 2 | 7 | Under Process | Irrigation | Under Process |
| | | | GP-8 | | Dhamma | Ladle | | 4 | 3 | 7 | Under Process | Irrigation | Under Process |
| | **Total** | | **17** | | | | **21** | **21** | **58** | **100** | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **6** | Teela-IInd | Andela | GP-7 | | Parmal Singh | Jagbhan Singh | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | (Teela) | GP-5 | | Ishwar Das | Tiju | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | GP-8 | | Laxman Singh | Punu | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-6 | | Imrat Singh | Kashiram | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-10 | | Ummed Singh | Ravraja | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-9 | | Ram Raja | Pancham Singh | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-5 | | Ralli | Ganesh | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Hardas | Tulsi | 1 | 2 | 1 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-6 | | Harpal Sing | Roshan Singh | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | Mainwar | GP-2 | | Tej Singh | Trilok Singh | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | (Reechhpura) | GP-1 | | Ujagar Singh | Dhooram | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-6 | | Natthu Sing | Prakash | | | 6 | 6 | Under Process | Irrigation | Under Process |
| | | | CD-1 | | Arjun Singh | Ashok Kumar | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-2 | | Kunji | Rajaram | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | Omkar | Shyamlal | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | WHB-5 | | Shyam lal | Kishorilal | | | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Jagdish | Shivdayal | 1 | | 3 | 4 | Under Process | Irrigation | Under |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Process |
| | | | WHB-1 | | Raghvendra | Nirpat | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | Birdha | CD-4 | | Ram Singh | Hardas | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | **Total** | | **19** | | | | **5** | **2** | **89** | **97** | | | |
| **7** | Singepur | Singepur | GP-1 | | Kudai | Gokul | 1 | 4 | | 4 | Under Process | Irrigation | Under Process |
| | | | GP-2 | | Shiv Dayal | Janki | 1 | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | | GP-5 | | Ghanshyam | Daya Ram | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | GP-6 | | Keshav Das | Mukesh | | 1 | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-3 | | | | | | 3 | 3 | Under Process | Irrigation | Under Process |
| | | | CD-9 | | Santosh | Sukh Nandan | | | 7 | 7 | Under Process | Irrigation | Under Process |
| | | | CD-11 | | Bhawani Singh | Ram Pratap | | | 5 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-13 | | Narayan | Hallu | | | 5 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-14 | | Khem Chand | Pancha | | 1 | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | Cd-15 | | Narayan | Pramod | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-18 | | Janki | Bhajju | | 2 | 2 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-19 | | Bharav | Janki | | 1 | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | CD-20 | | Indra Pal | Ramadhar | 1 | | 4 | 5 | Under Process | Irrigation | Under Process |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CD-21 | | Chhote Lal | Hari Ram | | 2 | 3 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-17 | | Chaturbhuj | Ram Pratap | | 1 | 4 | 5 | Under Process | Irrigation | Under Process |
| | | | CD-8 | | | | | | 2 | 2 | Under Process | Irrigation | Under Process |
| | | | WHB-1 | | Sri Ram | Prakash | 2 | 1 | 1 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-2 | | Puran Singh | Vindrawan | | | 4 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-3 | | Jandel Singh | Kalyan Singh | 1 | | 3 | 4 | Under Process | Irrigation | Under Process |
| | | | WHB-4 | | Roop Chan | Pramod | | 2 | 3 | 5 | Under Process | Irrigation | Under Process |
| | | | WHB-5 | | Chaturbhuj | Darua | | 6 | 0 | 6 | Under Process | Irrigation | Under Process |
| | | | WHB-6 | | Jandel Singh | Mohan Lal | | 1 | 4 | 5 | Under Process | Irrigation | Under Process |
| | | Kalothra | GP-3 | | Bhagunta | Gulab | | 4 | 0 | 4 | Under Process | Irrigation | Under Process |
| | | Satoura | GP-4 | | Babu Das | Ratna | | 2 | 3 | 5 | Under Process | Irrigation | Under Process |
| | **Total** | | **24** | | | | **6** | **28** | **74** | **105** | | | |
| | **Total for Project** | | **140** | | | | **92** | **75** | **551** | **701** | | | |

**Table 4.9: Details of Fund flow of Watershed Committee Accounts** (Amount in Rs.)

**Name of Project IWMP I (2009-10)** **District – Lalitpur** **Amount. in lacs**

| S. No. | Name of MWS with Code | Name of watershed committee (WC) | Opening Balance | Deposit | | | Withdrawal | | | Interest accrued | Closing balance |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | DRDA/ ZP cheque No./date | Amount / Date of deposit in WC Account | Total amount available in WC Account | Amount withdrawn by Cash/ Cheque | Date of with-drawal | Purpose of with-drawal | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **1** | Khajuriya 2C2D2d2a | Watershed Committee Khajuriya | 5.715 | 543926 Dt. 18-8-11 | 5.715 | 5.715 | - | - | - | - | 5.715 |
| **2** | Satarwas 2C2D2d2c | Watershed Committee Satarwas | 3.015 | 18.8.11 | 3.015 | 3.015 | 0.695 | - | - | - | 2.320 |
| **3** | Teela-Ist 2C2D2d2d | Wateshed Committee, Teela-I | 4.320 | Dt. 3.9.10 | 4.320 | 4.320 | - | - | - | - | 4.320 |
| **4** | Mainwar-Ist 2C2D2d2k | Watershed Committee Mainwar-I | 4.140 | 18.8.11 | 4.140 | 4.140 | - | - | - | - | 4.140 |
| **5** | Mainwar-IInd 2C2D2d2b | Watershed Committee Mainwar-II | 4.095 | 18.8.11 | 4.095 | 4.095 | - | - | - | - | 4.095 |
| **6** | Teela-IInd 2C2D2d2e | Watershed Committee Teela-II | 7.020 | 543924 1.7.11 | 7.020 | 7.020 | 0.451 | - | - | - | 6.569 |
| **7** | Singepur 2C2D2d2h | Watershed Committee Singepur | 6.345 | 18.8.11 | 6.345 | 6.345 | - | - | - | - | 6.345 |
| | **Total of Project** | | **34.65** | **-** | **34.65** | **34.65** | **1.146** | **-** | **-** | **-** | **33.504** |

**Details of Convergence of IWMP with other Schemes***

**Project IWMP - I** **District –Lalitpur**

| S. No. | Name of Micro Watershed | Names of Departments with Schemes converging with IWMP | Fund made available to IWMP due to convergence (Rs. in lakh) | Was this fund included in Rs.12,000/ 15,000 per ha. | | Name of activity/task/structure undertaken with converged funds | Reference no. of activity/ task/ structure in DPR[@] | Level at which decision for convergence was taken[$] |
|---|---|---|---|---|---|---|---|---|
| | | | | Yes | No | (a) Structures | | |
| | | | | | | (b) livelihoods | | |
| | | | | | | (c ) Any other (pl. specify)[#] | | |
| 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| **1** | Khajuriya 2C2D2d2a | MNREGA | 10.838 | Additional to the cost of Rs.3000/- per ha. | | Natural Resource Management (Soil and water conservation Structures) | Included in DPR | District Level |
| **2** | Satarwas 2C2D2d2c | MNREGA | 6.115 | | | | | |
| **3** | Teela-Ist 2C2D2d2d | MNREGA | 5.615 | | | | | |
| **4** | Mainwar-Ist 2C2D2d2k | MNREGA | 5.656 | | | | | |
| **5** | Mainwar-IInd 2C2D2d2b | MNREGA | 9.754 | | | | | |
| **6** | Teela-IInd 2C2D2d2e | MNREGA | 15.881 | | | | | |
| **7** | Singepur 2C2D2d2h | MNREGA | 15.099 | | | | | |
| | Total of Project | | 68.958 | | | | | |

**Chapter-5**

# MANAGEMENT/ACTION PLAN

The details of Preparatory Phase, Works Phase and Convergence planning are described in subsequent section

**5.1 Entry Point Activities (EPA)**

Entry point activities were executed with the consent of stake holders and it helped in winning the confidence of the villagers for moving ahead the other programmes of watershed. In total 17 EPA activities were executed in the project area which costed Rs. 2973120.00. Photographs of entry point activities done in the project are given below:

**Table 5.1: Entry Point Activities:**

| Name of PIA | Name of Project | Year | Name of Block | Name of MWS | code no. | Activity of EPA | Cost (lakhs) | Remarks |
|---|---|---|---|---|---|---|---|---|
| BSA, LDWR Lalitpur-Ist | IWMP-I | 2009-10 | Birdha | Khajuriya | 2C2D2d2a | • Krishak Gosthi Chabutra<br>• Well Repairing | 3.048 | |
| | | | | Satarwas | 2C2D2d2c | • Krishak Gosthi Chabutra<br>• Puliya | 3.384 | |
| | | | | Teela-Ist | 2C2D2d2d | • Krishak Gosthi Chabutra<br>• Well Repairing | 2.208 | |
| | | | | Mainwar-Ist | 2C2D2d2k | • Krishak Gosthi Chabutra<br>• Puliya<br>• Shokpit | 2.184 | |
| | | | | Mainwar-IInd | 2C2D2d2b | • Krishak Gosthi Chabutra<br>• Puliya<br>• Water Harventing | 2.304 | |
| | | | | Teela-IInd | 2C2D2d2e | • Krishak Gosthi Chabutra<br>• Puliya | 3.744 | |
| | | | | Singepur | 2C2D2d2h | • Krishak Gosthi Chabutra<br>• Corewall<br>• Soakpit | 1.608 | |

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

EPA Activities

## 5.2 Works Phase

**Following are the major problems of the watersheds**

- Water scarcity both for drinking as well as irrigation
- Excess runoff and soil loss
- Low water holding capacity of the soil
- Low productivity of crops
- Low fertility of soil
- Low cropping intensity
- Lack of technical knowledge
- *Anna Pratha* (let loose system of cattle)
- Poor vegetative cover
- Poor/low productive breeds of miltch animals
- Lack of feed & fodder availability
- Non availability of wood/fuel
- Lack of proper market facilities
- Low income of the households
- Lack of employment opportunity.

**Estimation of Runoff from the Watershed**

Runoff from the watershed is estimated by Curve Number method of the Soil Conservation Service of the USDA using 18 years data (1990-2009) with a gap of 2005 and 2006). It is estimated that runoff potential of the project area is 228 mm, equivalent to 30.4 per cent of average annual rainfall. Expected runoff and soil loss from the project area are depicted Table 5.1.

**Table 5.2: Details of soil erosion in the project area**

**Names of project IWMP I** **District -Lalitpur**

| S.N. | Name of Micro Watershed | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|---|
| | | Cause | Type of erosion | Area affected (ha) | Run off (mm/ year) | Average soil loss (Tonnes/ ha/ year) |
| | Khajuriya 2C2D2d2a | Water erosion | | | | |
| | | a | Sheet | 381 | 228 | 12-15 |
| | | b | Rill | 222 | | |
| | | c | Gully | 32 | | |
| | | Total | | 635 | | |
| | Satarwas 2C2D2d2c | Water erosion | | | | |
| | | a | Sheet | 201 | 228 | 10-15 |
| | | b | Rill | 117 | | |
| | | c | Gully | 17 | | |
| | | Total | | 335 | | |
| | Teela-I 2C2D2d2d | Water erosion | | | | |
| | | a | Sheet | 288 | 228 | 10-15 |
| | | b | Rill | 168 | | |
| | | c | Gully | 24 | | |
| | | Total | | 480 | | |
| | Mainwar-I 2C2D2d2k | Water erosion | | | | |
| | | a | Sheet | 276 | 228 | 10-15 |
| | | b | Rill | 161 | | |
| | | c | Gully | 23 | | |
| | | Total | | 460 | | |
| | Mainwar-II 2C2D2d2b | Water erosion | | | | |
| | | a | Sheet | 273 | 228 | 10-15 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | b | Rill | 159 | | |
| | | c | Gully | 23 | | |
| | | Total | | 455 | | |
| | Teela-II 2C2D2d2e | Water erosion | | | | |
| | | a | Sheet | 468 | 228 | 10-15 |
| | | b | Rill | 273 | | |
| | | c | Gully | 39 | | |
| | | Total | | 780 | | |
| | Singepur 2C2D2d2h | Water erosion | | | | |
| | | a | Sheet | 423 | 228 | 10-15 |
| | | b | Rill | 247 | | |
| | | c | Gully | 35 | | |
| | | Total | | 705 | | |
| | **Total of Project** | **Water erosion** | | | | |
| | | **a** | **Sheet** | **2307** | **228** | **10-15** |
| | | **b** | **Rill** | **1342** | | |
| | | **c** | **Gully** | **201** | | |
| | | **Total** | | **3850** | | |

**Watershed Development Activities Proposed**

The details of the activities of watershed works (natural resource conservation) are marked on individual field in the micro-watershed wise proposed plan (Map Section). Individual beneficiary wise estimate has been prepared for each village comes under each micro-watershed.

Information of individual beneficiaries is kept in respective project file available with PIA. Beneficiary wise information was summerised and prepared for each micro-watershed and gram panchayat wise (Table 5.2 and 5.4). Similar exercise was also done for participatory crop trials. Location of these trials is marked on proposed plan of participatory crop demonstration (available in map section).

**Table 5.3: Micro-watershed wise details of Watershed Development Activities proposed in IWMP-I, Lalitpur**

| Particular of Measures/Activities | | Unit | Khajuriya | | Satarwas | | Teela -I | | Mainwar-I | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Soil & Water Conservation Measures :- | | | | | | | | | | |
| A- Moisture Conservation Measures | | | | | | | | | | |
| 1 | Field Bund | Meter | 3810 | 0.770 | 2010 | 0.410 | 2880 | 0.580 | 2760 | 0.560 |
| 2 | Contour Bund (with Sodding ) | Meter | 4111 | 1.930 | 2169 | 1.020 | 3108 | 1.460 | 2978 | 1.400 |
| 3 | Peripheral Bund (with Sodding ) | Meter | 3781 | 7.070 | 1995 | 3.730 | 2858 | 5.350 | 2739 | 5.120 |
| 4 | Marginal Bund (with Sodding ) | Meter | | | | | | | | |
| 5 | Submergence Bundhi with Sodding | Meter | 8565 | 14.070 | 4518 | 7.420 | 6475 | 10.630 | 6205 | 10.190 |
| 6 | Others specify | | | | | | | | | |
| | **Total** | | **20267** | **23.840** | **10692** | **12.580** | **15321** | **18.020** | **14682** | **17.270** |
| B- Water Resource Development | | | | | | | | | | |
| 1 | Tank/Pond | No. | | | | | | | | |
| 1a | Water storing capacity | cub.m | | | | | | | | |
| 1b | Area proposed for irrigation | ha. | | | | | | | | |
| 2 | WHBi/GP/Earthen check dam | cum | 26538 | 15.100 | 13999 | 7.960 | 20060 | 11.410 | 19224 | 10.930 |
| 2a | Water storing capacity | | 38000 | | 50000 | | 34000 | | 38000 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 b | Area proposed for irrigation | | 47.5 | | 62.5 | | 42.5 | | 47.5 | |
| 3 | Check Dam/Drop Spliiway | | 3 | 3.500 | 1 | 0.900 | 1 | 0.900 | 1 | 0.900 |
| 3 | Water storing capacity | | 12000 | | 4000 | | 4000 | | 4000 | |
| 3 b | Area proposed for irrigation | | 15 | | 5 | | 5 | | 5 | |
| 4 | Others specify | | | | | | | | | |
| | **Total** | | | **18.600** | | **8.860** | | **12.310** | | **11.830** |
| C- Drainage Line Treatment | | | | | | | | | | |
| Upper reaches | | | | | | | | | | |
| 1 | 1- Vegetative / Brush wood | No. | | | | | | | | |
| | checks | | | | | | | | | |
| 2 | 2- Loose Boulder checks / Structure. | | | | | | | | | |
| 3 | 3- Gavion structures | | 7 | 0.420 | 3 | 0.180 | 5 | 0.300 | 5 | 0.300 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | . | 6 | 0.360 | 3 | 0.180 | 5 | 0.300 | 4 | 0.240 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/Cd Pucca | No. | 8 | 12.050 | 3 | 6.200 | 3 | 6.200 | 3 | 6.200 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5a | Water storing capacity | | 32000 | | 12000 | | 12000 | | 12000 | |
| 5 b | Area proposed for irrigation by Nala Bund/WHB | | 40 | | 15 | | 15 | | 15 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | **Total** | | | | | | | | | |
| | Silvi-Posteral System | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | A. Tree + Grasses | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Sirash+Stylo Hamata & Cencrunch | | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 |
| | Subabul-Stylo Hamata & Cencrunch | | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 |
| | Grass Species | | | | | | | | | |
| | 1. Hetropogon/Crysopogon (On bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | 2. Cencrush (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | 3.Dinanath Grass (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | **Total** | | | | | | | | | |
| | | | | | | | | | | |
| <u>Livelihood for landless People/Farmers</u> | | | | | | | | | | |
| Strengthening Local ME activities as already practiced by Farmer/Groups | | | | | | | | | | |
| 1 | Goatary | | 4 | 0.880 | 2 | 0.480 | 4 | 0.960 | 3 | 0.720 |
| 2 | Poultry- | | 4 | 0.975 | 1 | 0.244 | 2 | 0.481 | 4 | 0.949 |
| 3 | Vermi /Nadef/Composting | | 3 | 0.720 | 2 | 0.480 | 3 | 0.720 | 2 | 0.489 |
| 4 | Daliya Making | | 4 | 0.960 | 3 | 0.722 | 2 | 0.490 | 1 | 0.240 |
| 5 | Floor Mill | | 2 | 0.490 | | | | | 1 | 0.249 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Carpainter | | 1 | 0.240 | 2 | 0.306 | 3 | 0.713 | 1 | 0.263 |
| 7 | Repairing | | 2 | 0.480 | | | | | 2 | 0.250 |
| 8 | Tailoring | | 3 | 0.570 | 2 | 0.480 | 3 | 0.720 | 1 | 0.245 |
| 9 | Black Smithi | | 2 | 0.490 | 1 | 0.240 | 1 | 0.250 | 2 | 0.480 |
| # | Oil Speller | | | | 1 | 0.240 | 1 | 0.240 | 1 | 0.249 |
| # | Dal Mill | | 1 | 0.245 | | | | | 1 | 0.249 |
| | Iundividual | | | 0.807 | | 0.426 | | 0.610 | | 0.585 |
| **Total** | | | **26** | **6.857** | **14** | **3.618** | **19** | **5.184** | **19** | **4.968** |
| | Agriculture Production System | | | | | | | | | |
| | **Crop Demonstration** | | | | | | | | | |
| | **1. SMC Area** | | | | | | | | | |
| | 1.Field pea (ICM) | | 20/10 | 0.575 | 20/10 | 0.403 | 20/10 | 0.403 | 20/10 | 0.403 |
| | 2. Lineseed (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 |
| | 3. Mustered (ICM) | | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 |
| | 4.Til (IPNM) | | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 |
| | 5. Lentil (ICM) | | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 |
| | 6. Chikpea (ICM) | | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 |
| | 7. Urd (ICM) | | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 |
| | 8. Sorghum (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 |
| | 9. Wheat (ICM) | | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 |
| | **Total** | | **161/80.5** | **3.045** | | **2.873** | | **2.873** | | **2.873** |
| | **2. Water Resource Area** | | | | | | | | | |
| | **Production of seeds** | | | | | | | | | |
| | 1.Field pea | | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 |
| | 2. Lineseed | | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 |
| | 3. Mustered | | | | | | | | | |
| | 4.Til | | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 |
| | 5. Lentil | | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 |
| | 6. Chikpea | | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7. Wheat | | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 |
| | **Total** | | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** |
| | Micro Inter Prises (Individual) | | | 2.596 | | 1.370 | | 1.962 | | 1.881 |
| | **Total Crop Prod. & micro Interproses** | | | **7.046** | | **5.648** | | **6.240** | | **6.159** |
| Agro forestry:- | | No. of Plants | | | | | | | | |
| A | Scattered Plantation | | | | | | | | | |
| | 1. Aonla | | 100 | 0.060 | 60 | 0.036 | 60 | 0.036 | 75 | 0.045 |
| | 2. Ber | | 75 | 0.038 | 40 | 0.020 | 50 | 0.025 | 50 | 0.025 |
| | 3. Beal | | 40 | 0.024 | 30 | 0.018 | 50 | 0.030 | 40 | 0.024 |
| | 4. Citrus Spp. | | 45 | 0.023 | 25 | 0.013 | 40 | 0.020 | 30 | 0.015 |
| | 5. Guava | | 100 | 0.060 | 50 | 0.030 | 75 | 0.045 | 50 | 0.030 |
| | **Total** | | **360** | **0.204** | **205** | **0.117** | **275** | **0.156** | **245** | **0.139** |
| | B. Agri-Horticulture System | | | | | | | | | |
| | 1. Anola | Ha. | 2.000 | 0.450 | 2.000 | 0.450 | 2.000 | 0.450 | 2.000 | 0.450 |
| | 2. Ber | Ha | 0.250 | 0.056 | 0.250 | 0.056 | 0.250 | 0.056 | 0.500 | 0.113 |
| | 3. Guava | Ha | 0.577 | 0.136 | 0.305 | 0.072 | 0.436 | 0.102 | 0.418 | 0.098 |
| | **Total** | | **2.827** | **0.642** | **2.555** | **0.578** | **2.686** | **0.609** | **2.918** | **0.661** |
| | C. Block Plantation/Orchard | | | | | | | | | |
| | 1. Aonla (Spacing 8x8 M) | ha. | 1.500 | 0.084 | 1.000 | 0.056 | 1.500 | 0.084 | 0.750 | 0.042 |
| | 2. Guava (Spacing 8x6 M) | ha | 0.750 | 0.090 | 0.750 | 0.090 | 0.750 | 0.090 | 0.750 | 0.090 |
| | 3. Ber (Spacing 8x5 M) | ha | 0.500 | 0.060 | 0.500 | 0.060 | 0.500 | 0.060 | 0.500 | 0.060 |
| | **Total** | | **2.750** | **0.234** | **2.250** | **0.206** | **2.750** | **0.234** | **2.000** | **0.192** |
| | **D. Afforestation on Private Land** | | | | | | | | | |
| | 1. Teak (4x2.5 M) | ha | 0.5 | 0.280 | 0.5 | 0.280 | 1 | 0.280 | 0.5 | 0.280 |
| | 2. Shisham (8x6M ) | ha | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 |
| | 3. Beal (8x8M) | ha | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 |
| | 4. JamunScarred Plantation | No. | 100 | 0.060 | 45 | 0.027 | 70 | 0.042 | 60 | 0.036 |
| | **Total** | | | **0.660** | | **0.627** | | **0.642** | | **0.636** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Livestock Management** | | | | | | | | | |
| | Cow | | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 |
| | Buffeloes | | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 |
| | Goatary | | 277/25 | 0.015 | 146/13 | 0.008 | 209/19 | 0.011 | 201/18 | 0.011 |
| | Poultry | | 4/4 | | 4/4 | | 4/4 | | 4/4 | |
| | Broiler | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 |
| | Layers | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 |
| | Dairy | | 10/2 | 0.200 | 10/2 | 0.200 | 10/2 | 0.200 | 10/2 | 0.200 |
| | Green Fodder | Farmer/Ha | 4.2 | 0.160 | 4.2 | 0.160 | 4.2 | 0.160 | 4.2 | 0.160 |
| | **Total** | | | **2.547** | | **2.540** | | **2.543** | | **2.543** |
| | **Vetenary Services** | | | | | | | | | |
| | 1. Vaccination/ | no | 926 | 0.046 | 488 | 0.024 | 700 | 0.035 | 671 | 0.034 |
| | 2. Infertility Management | no. | 600 | 0.024 | 288 | 0.012 | 554 | 0.022 | 354 | 0.014 |
| | Live stock Improvement Management | | | | | | | | | |
| | Artificial Insemination | No | 150 | 0.075 | 150 | 0.075 | 150 | 0.075 | 150 | 0.075 |
| | Natural Service | He Buffelo | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 |
| | **Total** | | **1677** | **0.385** | **927** | **0.351** | **1405** | **0.372** | **1176** | **0.363** |

| Particular of Measures/Activities | | Unit | Mainwar-II | | Teela-II | | Singepur | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 2 | | 3 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Soil & Water Conservation Measures :- | | | | | | | | | | |
| A- Moisture Conservation Measures | | | | | | | | | | |
| 1 | Field Bund | Meter | 2730 | 0.550 | 4680 | 0.950 | 4230 | 0.860 | 23100 | 4.680 |
| 2 | Contour Bund (with Sodding ) | Meter | 2946 | 1.380 | 5050 | 2.370 | 4564 | 2.150 | 24926 | 11.710 |
| 3 | Peripheral Bund (with Sodding ) | Meter | 2709 | 5.060 | 4645 | 8.690 | 4198 | 7.850 | 22925 | 42.870 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Marginal Bund (with Sodding ) | Meter | | | | | | | | |
| 5 | Submergence Bundhi with Sodding | Meter | 6137 | 10.080 | 10521 | 17.280 | 9509 | 15.620 | 51930 | 85.290 |
| 6 | Others specify | | | | | | | | | |
| | **Total** | | **14522** | **17.070** | **24896** | **29.290** | **22501** | **26.480** | **122881** | **144.550** |
| B- Water Resource Development | | | | | | | | | | |
| 1 | Tank/Pond | No. | | | | | | | | |
| 1a | Water storing capacity | cub.m | | | | | | | | |
| 1b | Area proposed for irrigation | ha. | | | | | | | | |
| 2 | WHB/GP/Earthen check dam | cum | 19014 | 10.810 | 32597 | 18.540 | 29463 | 16.750 | 160895 | 91.500 |
| 2a | Water storing capacity | | 34000 | | 40000 | | 48000 | | 282000 | |
| 2b | Area proposed for irrigation | | 42.5 | | 50 | | 60 | | 352.5 | |
| 3 | Check Dam/Drop Spliiway | | 3 | 3.500 | 4 | 5.200 | 4 | 5.200 | 17 | 20.100 |
| 3 | Water storing capacity | | 12000 | | 16000 | | 16000 | | 68000 | 0.000 |
| 3b | Area proposed for irrigation | | 15 | | 20 | | 20 | | 85 | 0.000 |
| 4 | Others specify | | | | | | | | | |
| | **Total** | | | **14.310** | | **23.740** | | **21.950** | | **111.600** |
| C- Drainage Line Treatment | | | | | | | | | | |
| Upper reaches | | | | | | | | | | |
| 1 | 1- Vegetative / Brush wood | No. | | | | | | | | |
| | checks | | | | | | | | | |
| 2 | 2- Loose Boulder checks / Structure. | | | | | | | | | |
| 3 | 3- Gavion structures | | 5 | 0.300 | 8 | 0.480 | 7 | 0.420 | 40 | 2.400 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | . | 4 | 0.240 | 7 | 0.420 | 7 | 0.420 | 36 | 2.160 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/Cd Pucca | No. | 6 | 10.250 | 10 | 16.500 | 9 | 15.900 | 42 | 73.300 |
| 5a | Water storing capacity | | 24000 | | 40000 | | 36000 | | 168000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 30 | | 50 | | 45 | | 210 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | **Total** | | | | | | | | | **77.860** |
| | Silvi-Posteral System | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | A. Tree + Grasses | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Sirash+Stylo Hamata & Cencrunch | | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 | 7 | 1.750 |
| | Subabul-Stylo Hamata & Cencrunch | | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 | 5.25 | 1.309 |
| | Grass Species | | | | | | | | | |
| | 1. Hetropogon/Crysopogon (On bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | 2. Cencrush (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | 3.Dinanath Grass (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | **Total** | | | | | | | | | **5.579** |
| | | | | | | | | | | **339.589** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Livelihood for landless People/Farmers | | | | | | | | | | |
| Strengthening Local ME activities as already practiced by Farmer/Groups | | | | | | | | | | |
| 1 | Goatary | | 3 | 0.720 | 10 | 2.000 | 8 | 1.820 | 34 | 7.580 |
| 2 | Poultry- | | 4 | 0.771 | 5 | 1.211 | 8 | 1.800 | 28 | 6.431 |
| 3 | Vermi /Nadef/Composting | | 2 | 0.460 | 3 | 0.720 | 4 | 0.960 | 19 | 4.549 |
| 4 | Daliya Making | | 1 | 0.240 | 2 | 0.490 | 3 | 0.268 | 16 | 3.410 |
| 5 | Floor Mill | | 2 | 0.498 | 2 | 0.420 | 2 | 0.480 | 9 | 2.137 |
| 6 | Carpainter | | 1 | 0.240 | 2 | 0.470 | 2 | 0.440 | 12 | 2.672 |
| 7 | Repairing | | 1 | 0.120 | 1 | 0.223 | 3 | 0.440 | 9 | 1.513 |
| 8 | Tailoring | | 1 | 0.120 | 3 | 0.536 | 3 | 0.720 | 16 | 3.391 |
| 9 | Black Smithi | | 2 | 0.480 | 2 | 0.480 | 2 | 0.140 | 12 | 2.560 |
| # | Oil Speller | | 1 | 0.249 | 1 | 0.240 | 1 | 0.240 | 6 | 1.458 |
| # | Dal Mill | | 1 | 0.249 | 1 | 0.243 | | | 4 | 0.986 |
| | Iundividual | | | 0.578 | | 0.991 | | 0.896 | | 4.893 |
| **Total** | | | **19** | **4.725** | **32** | **8.024** | **36** | **8.204** | **165** | **41.580** |
| | Agriculture Production System | | | | | | | | | |
| | **Crop Demonstration** | | | | | | | | | |
| | **1. SMC Area** | | | | | | | | | |
| | 1.Field pea (ICM) | | 20/10 | 0.403 | 20/10 | 0.575 | 20/10 | 0.575 | 140/70 | 3.335 |
| | 2. Lineseed (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 35/17.5 | 1.400 |
| | 3. Mustered (ICM) | | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 35/17.5 | 0.490 |
| | 4.Til (IPNM) | | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 | 56/28 | 1.120 |
| | 5. Lentil (ICM) | | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 | 140/70 | 3.290 |
| | 6. Chikpea (ICM) | | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 | 56/28 | 2.100 |
| | 7. Urd (ICM) | | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 | 70/35 | 1.400 |
| | 8. Sorghum (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 35/17.5 | 1.400 |
| | 9. Wheat (ICM) | | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 | 210/115 | 6.090 |
| | **Total** | | | **2.873** | | **3.045** | | **3.045** | | **20.625** |
| | **2. Water Resource Area** | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Production of seeds** | | | | | | | | | |
| | 1.Field pea | | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 | 42/21 | 1.680 |
| | 2. Lineseed | | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 | 42/21 | 0.735 |
| | 3. Mustered | | | | | | | | | |
| | 4.Til | | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 | 28/14 | 1.120 |
| | 5. Lentil | | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 | 84/42 | 2.520 |
| | 6. Chikpea | | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 | 70/35 | 3.150 |
| | 7. Wheat | | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 | 42/21 | 0.630 |
| | **Total** | | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** | **308/154** | **9.835** |
| | Micro Inter Prises (Individual) | | | 1.860 | | 3.189 | | 2.882 | | 15.740 |
| | **Total Crop Prod. & micro Interproses** | | | **6.138** | | **7.639** | | **7.332** | | **46.200** |
| Agro forestry:- | | No. of Plants | | | | | | | | |
| A | Scattered Plantation | | | | | | | | | |
| | 1. Aonla | | 70 | 0.042 | 125 | 0.075 | 110 | 0.066 | 600 | 0.360 |
| | 2. Ber | | 50 | 0.025 | 100 | 0.050 | 100 | 0.050 | 465 | 0.233 |
| | 3. Beal | | 40 | 0.024 | 75 | 0.045 | 60 | 0.036 | 335 | 0.201 |
| | 4. Citrus Spp. | | 25 | 0.013 | 70 | 0.035 | 50 | 0.025 | 285 | 0.143 |
| | 5. Guava | | 50 | 0.030 | 100 | 0.060 | 75 | 0.045 | 500 | 0.300 |
| | **Total** | | **235** | **0.134** | **470** | **0.265** | **395** | **0.222** | **2185** | **1.236** |
| | B. Agri-Horticulture System | | | | | | | | | |
| | 1. Anola | Ha. | 2.000 | 0.450 | 3.000 | 0.675 | 2.500 | 0.563 | 15.500 | 3.488 |
| | 2. Ber | Ha | 0.500 | 0.113 | 1.000 | 0.225 | 1.000 | 0.225 | 3.750 | 0.844 |
| | 3. Guava | Ha | 0.414 | 0.097 | 0.771 | 0.181 | 0.641 | 0.151 | 3.562 | 0.837 |
| | **Total** | | **2.914** | **0.660** | **4.771** | **1.081** | **4.141** | **0.938** | **22.812** | **5.168** |
| | C. Block Plantation/Orchard | | | | | | | | | |
| | 1. Aonla (Spacing 8x8 M) | ha. | 1.500 | 0.084 | 2.000 | 0.112 | 2.500 | 0.140 | 10.75 | 0.602 |
| | 2. Guava (Spacing 8x6 M) | ha | 0.750 | 0.090 | 1.000 | 0.120 | 1.250 | 0.150 | 6 | 0.720 |
| | 3. Ber (Spacing 8x5 M) | ha | 0.500 | 0.060 | 1.000 | 0.120 | 1.000 | 0.120 | 4.5 | 0.540 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Total** | | **2.750** | **0.234** | **4.000** | **0.352** | **4.750** | **0.410** | **21.25** | **1.862** |
| | **D. Afforestation on Private Land** | | | | | | | | | |
| | 1. Teak (4x2.5 M) | ha | 0.5 | 0.280 | 1 | 0.570 | 1 | 0.570 | 5 | 2.540 |
| | 2. Shisham (8x6M ) | ha | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 | 14 | 1.540 |
| | 3. Beal (8x8M) | ha | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 | 7 | 0.700 |
| | 4. JamunScarred Plantation | No. | 55 | 0.033 | 80 | 0.048 | 75 | 0.045 | 485 | 0.291 |
| | **Total** | | | **0.633** | | **0.938** | | **0.935** | | **5.071** |
| | **Livestock Management** | | | | | | | | | |
| | Cow | | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 | 420/616 | 0.084 |
| | Buffeloes | | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 | 14/14 | 1.680 |
| | Goatary | | 199/18 | 0.010 | 340/31 | 0.018 | 308/28 | 0.016 | 1680/152 | 0.088 |
| | Poultry | | 4/4 | | 4/4 | | 4/4 | | 28/28 | 0.088 |
| | Broiler | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 14/14 | 0.088 |
| | Layers | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 14/14 | 0.088 |
| | Dairy | | 10/2 | 0.200 | 15/3 | 0.300 | 15/3 | 0.300 | 80/16 | 0.088 |
| | Green Fodder | Farmer/Ha | 4.2 | 0.160 | 10/5 | 0.400 | 8/4 | 0.320 | 38/19 | 1.520 |
| | **Total** | | | **2.542** | | **2.890** | | **2.808** | | **3.724** |
| | **Vetenary Services** | | | | | | | | | |
| | 1. Vaccination/ | no | 663 | 0.033 | 1137 | 0.057 | 1028 | 0.051 | 5613 | 0.281 |
| | 2. Infertility Management | no. | 571 | 0.023 | 800 | 0.032 | 785 | 0.031 | 3952 | 0.158 |
| | Live stock Improvement Management | | | | | | | | | |
| | Artificial Insemination | No | 150 | 0.075 | 200 | 0.100 | 180 | 0.090 | 1130 | 0.565 |
| | Natural Service | He Buffelo | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 | 7 | 1.680 |
| | **Total** | | **1385** | **0.371** | **2138** | **0.429** | **1994** | **0.413** | **10702** | **2.684** |

# Gram Panchayat wise activity Plan :

**MWS : Khajuriya 2C2D2d2a** Amt. in Lakhs

| S.N | Particular of Measures/Activities | Unit | Khajuriya | | Singepur | | Khitwas | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | 3 | | | | | | | 4 | 5 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | |
| | 1 Field Bund | Meter/ha. | 3450 | 0.698 | 360 | 0.072 | | | 3810 | 0.770 |
| | 2 Contour Bund (with Sodding ) | | 1897 | 1.688 | 272 | 0.242 | | | 2169 | 1.930 |
| | 3 Peripheral Bund (with Sodding ) | | 3307 | 6.184 | 474 | 0.886 | | | 3781 | 7.070 |
| | 4 Marginal Bund (with Sodding ) | | | | | | | | Nil | Nil |
| | 5 Submergence Bundhi with Sodding | No./ha. | 7492 | 12.300 | 1073 | 1.770 | | | 8565 | 14.070 |
| | 6 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | | | | | | | Nil | Nil |
| | 1 Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 Water Harvesting Bundhi /Gully Pluyg?Earthe Check dam | No. | 19 | 15.100 | Nil | Nil | Nil | Nil | 19 | 15.100 |
| | 2a Water storing capacity | | 38000 | | Nil | Nil | Nil | Nil | 38000 | |
| | 2b Area proposed for irrigation | | 47.5 | | Nil | Nil | Nil | Nil | 47.5 | |
| | 3 Earthen Check Dam/Gully Plug/WHB | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 Water storing capacity | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3b Area proposed for irrigation | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 4 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| C- Drainage Line Treatment | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Upper reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | 6 | 0.367 | 1 | 0.053 | | | 7 | 0.420 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | 5 | 0.315 | 1 | 0.045 | | | 6 | 0.360 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD | No. | 7 | 10.350 | 1 | 1.700 | | | 8 | 12.050 |
| 5a | Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | 20000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | Nil | Nil | Nil | Nil | Nil | Nil | 25 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | | |
| | | **Total** | | | 47.002 | | 4.768 | | | | 51.770 |

**MWS : Satarwas 2C2D2d2c** Amt. in Lakhs

| S. N | Particular of Measures/Activities | Unit | Satarwas | | Khitwas | | Andela | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Qanty | Cost |
| 1 | 2 | 3 | | | | | | | 6 | 7 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | |
| | 1 Field Bund | Meter | 1302 | 0.265 | 214 | 0.044 | 495 | 0.101 | 2010 | 0.410 |
| | 2 Contour Bund (with Sodding ) | Meter | 1405 | 0.661 | 230 | 0.108 | 534 | 0.251 | 2169 | 1.020 |
| | 3 Peripheral Bund (with Sodding ) | Meter | 1292 | 2.416 | 212 | 0.396 | 491 | 0.918 | 1995 | 3.730 |
| | 4 Marginal Bund (with Sodding ) | Meter | | | | | | | Nil | Nil |
| | 5 Submergence Bundhi with Sodding | Meter | 2926 | 4.805 | 480 | 0.788 | 1112 | 1.825 | 4518 | 7.420 |
| | 6 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 Water Harvesting Bundhi /Gully Pluyg?Earthe Check dam | No. | 20 | 6.390 | 1 | 0.300 | 4 | 1.270 | 25 | 7.960 |
| | 2a Water storing capacity | | 40000 | | 2000 | | 8000 | | 50000 | |
| | 2b Area proposed for irrigation | | 50 | | 2.50 | | 10 | | 62.50 | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Earthen Check Dam/Gully Plug/WHB | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 b | Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| C- Drainage Line Treatment | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Upper reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | 2.000 | 0.120 | Nil | Nil | 1 | 0.060 | 3 | 0.180 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | 2 | 0.120 | Nil | Nil | 1 | 0.060 | 3 | 0.180 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD | No. | 3 | 6.2 | Nil | Nil | Nil | Nil | 3 | 6.200 |
| 5 a | Water storing capacity | | 8000 | | Nil | Nil | Nil | Nil | 8000 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 b | Area proposed for irrigation by Nala Bund/WHB | | 10 | | Nil | Nil | Nil | Nil | 10 | |
| | 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8 a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 8 b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 9 | Others suitable structures | | | | | | | | | |
| | | **Total** | | | 20.977 | | 1.637 | | 4.485 | | 27.100 |

**MWS : Teela-I 2C2D2d2d**

| S.N | Particular of Measures/Activities | Unit | Andela | | Mainwar | | Satarwas | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | 3 | 8 | 9 | 10 | 11 | 10 | 11 | 16 | 17 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | |
| | 1 Field Bund | Meter | 993 | 0.200 | 1496 | 0.301 | 391 | 0.079 | 2880 | 0.580 |
| | 2 Contour Bund (with Sodding ) | | 1072 | 0.504 | 1614 | 0.758 | 422 | 0.198 | 3108 | 1.460 |
| | 3 Peripheral Bund (with Sodding ) | | 986 | 1.846 | 1484 | 2.779 | 388 | 0.726 | 2858 | 5.350 |
| | 4 Marginal Bund (with Sodding ) | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 5 Submergence Bundhi with Sodding | Meter | 2234 | 3.667 | 3363 | 5.521 | 878 | 1.442 | 6475 | 10.630 |
| | 6 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 Water Harvesting Bundhi /Gully Plug/Earthen Check dam | No. | 6 | 3.936 | 9 | 5.926 | 2 | 1.548 | 17 | 11.41 |
| | 2a Water storing capacity | | 15000 | | 22500 | | 5000 | | | |
| | 2b Area proposed for irrigation | | 18 | | 22 | | 6 | | | |
| | 3 Check Dam/Drop Spliiway | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3b Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 4 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | C- Drainage Line Treatment | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Upper reaches | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | | 2 | 0.120 | 2 | 0.120 | 1 | 0.060 | 5 | 0.300 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | . | 2 | 0.120 | 2 | 0.120 | 1 | 0.060 | 5 | 0.300 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD (Pucca) | . | 1 | 1.700 | 2 | 4.500 | | | 2 | 6.200 |
| 5a | Water storing capacity | | 4000 | | 8000 | | | | 12000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 5 | | 10 | | | | 15 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | | |
| | **Total** | | | 12.092 | | 20.026 | | 4.112 | | 36.230 |

**MWS : Mainwar-I 2C2D2d2k**

| S.N | Particular of Measures/Activities | Unit | Mainwar | | Andela | | Reechhpura | | Mainwar-I | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | |
| | 1 Field Bund | Meter | **2319** | **0.470** | **317** | **0.064** | **124** | **0.025** | **2760** | **0.56** |
| | 2 Contour Bund (with Sodding ) | | **2502** | **1.176** | **342** | **0.161** | **134** | **0.063** | **2978** | **1.400** |
| | 3 Peripheral Bund (with Sodding ) | | **2301** | **4.301** | **315** | **0.589** | **124** | **0.230** | **2739** | **5.120** |
| | 4 Marginal Bund (with Sodding ) | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 5 Submergence Bundhi with Sodding | Meter | **5213** | **8.560** | **713** | **1.171** | **279** | **0.459** | **6205** | **10.190** |
| | 6 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 Water Harvesting Bundhi /Gully Plug/Earthen Check dam | No. | 15 | 8.63 | 3 | 1.725 | 1 | 0.575 | 19 | 10.93 |
| | 2a Water storing capacity | | 30000 | | 6000 | | 2000 | | 38000 | |
| | 2b Area proposed for irrigation | | 37 | | 7 | | 2.50 | | 46.50 | |
| | 3 Check Dam/Drop Spliiway | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3b Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 4 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | C- Drainage Line Treatment | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Upper reaches | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | **4** | **0.24** | **1** | **0.06** | | | **5** | **0.3** |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | **3** | **0.36** | **1** | **0.06** | | | **4** | **0.24** |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD (Pucca) | No. | **3** | **6.2** | Nil | Nil | Nil | Nil | **3** | **6.2** |
| 5a | Water storing capacity | | **12000** | | Nil | Nil | Nil | Nil | **12000** | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | **15** | | Nil | Nil | Nil | Nil | **15** | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | | | | | | | | |
| | Total | | | **29.938** | | **3.830** | | **1.352** | | **34.940** |

**Mainwar-II 2C2D2d2b**

| S. N | Particular of Measures/Activities | | Unit | Mainwar | | Andela | | Khajuriya | | Khitwas | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 10 | 11 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | | | | |
| | 1 | Field Bund | Meter | **1224** | **0.247** | **1006** | **0.203** | **253** | **0.051** | **246** | **0.050** | **2730** | **0.55** |
| | 2 | Contour Bund (with Sodding ) | Meter | **1321** | **0.619** | **1086** | **0.509** | **273** | **0.128** | **266** | **0.125** | **2946** | **1.38** |
| | 3 | Peripheral Bund (with Sodding ) | Meter | **1215** | **2.269** | **999** | **1.865** | **251** | **0.469** | **245** | **0.457** | **2709** | **5.06** |
| | 4 | Marginal Bund (with Sodding ) | Meter | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 5 | Submergence Bundhi with Sodding | Meter | **2752** | **4.520** | **2262** | **3.716** | **569** | **0.934** | **554** | **0.910** | **6137** | **10.08** |
| | 6 | Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 | Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 a | Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 b | Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 | Water Harvesting Bundhi /Gully Plug/Earthen Check dam | No. | 7 | 4.46 | 6 | 3.81 | 2 | 1.27 | 2 | 1.27 | 17 | 10.81 |
| | 2 a | Water storing capacity | | 17500 | | 15000 | | 5000 | | 5000 | | 42500 | |
| | 2 b | Area proposed for irrigation | | 22 | | 19 | | 6 | | 6 | | 53 | |
| | 3 | Check Dam/Drop Spliiway | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 | Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 | Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| b | | | | | | | | | | | | |
| 4 | Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| C- Drainage Line Treatment | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Upper reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | **2** | **0.12** | **1** | **0.06** | **1** | **0.06** | **1** | **0.06** | **5** | **0.3** |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | **2** | **0.12** | **1** | **0.06** | **1** | **0.06** | **0** | **0** | **4** | **0.24** |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD (Pucca) | No. | **2** | **4.5** | **2** | **1.7** | 1 | 0 | 1 | 0 | **6** | **10.250** |
| 5 a | Water storing capacity | | **8000** | | **8000** | | 4000 | | 4000 | | **24000** | |
| 5 b | Area proposed for irrigation by Nala Bund/WHB | | **10** | | **10** | | 5 | | 5 | | **30** | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | | | | | | | | | | |
| | Total | | | **16.854** | | **11.923** | | **2.972** | | **2.871** | | **38.670** |

**Teela-II 2C2D2d2e**

| S.N | Particular of Measures/Activities | Unit | Mainwar | | Birdha | | Andela | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 12 | 13 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | |
| | 1 Field Bund | Meter | 2019 | 0.410 | 840 | 0.171 | 1822 | 0.370 | 4680 | 0.95 |
| | 2 Contour Bund (with Sodding ) | Meter | 2178 | 1.022 | 906 | 0.425 | 1966 | 0.922 | 5050 | 2.37 |
| | 3 Peripheral Bund (with Sodding ) | Meter | 1848 | 3.748 | 769 | 1.560 | 1668 | 3.382 | 4285 | 8.69 |
| | 4 Marginal Bund (with Sodding ) | Meter | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 5 Submergence Bundhi with Sodding | Meter | 2003 | 7.453 | 834 | 3.101 | 4093 | 6.726 | 4645 | 17.28 |
| | 6 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 Water Harvesting Bundhi /Gully Plug/Earthen Check dam | No. | 9 | 7.996 | 4 | 3.328 | 8 | 7.216 | 20 | 18.540 |
| | 2a Water storing capacity | | 23000 | | 10000 | | 20000 | | 53000 | |
| | 2b Area proposed for irrigation | | 28 | | 12.5 | | 25 | | 65.5 | |
| | 3 Check Dam/Drop Spliiway | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3b Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 4 Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | C- Drainage Line Treatment | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Upper reaches | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | 3 | 0.18 | 2 | 0.12 | 3 | 0.18 | 8 | 0.48 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | 3 | 0.18 | 2 | 0.12 | 2 | 0.12 | 7 | 0.42 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/CD (Pucca) | No. | 5 | 7.7 | 1 | 1.7 | 4 | 7.1 | 10 | 16.5 |
| 5a | Water storing capacity | | 20000 | | 4000 | | 16000 | | 40000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 25 | | 5 | | 20 | | 50 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | | | | | | | | |
| | Total | | | 28.689 | | 10.525 | | 26.016 | | 65.230 |

**Singepur 2C2D2d2h**

| S.N | Particular of Measures/Activities | | Unit | Singepur | | Kalothra | | Satoura | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 1 | 2 | | 3 | 10 | 11 | 10 | 11 | 12 | 13 | 14 | 15 |
| I | Soil & Water Conservation Measures :- | | | | | | | | | | |
| | A- Moisture Conservation Measures | | | | | | | | | | |
| | 1 | Field Bund | Meter | 3312 | 0.673 | 470 | 0.096 | 448 | 0.091 | 4230 | 0.86 |
| | 2 | Contour Bund (with Sodding ) | Meter | 3573 | 1.683 | 507 | 0.239 | 311 | 0.228 | 4564 | 2.15 |
| | 3 | Peripheral Bund (with Sodding ) | Meter | 3287 | 6.146 | 466 | 0.872 | 445 | 0.832 | 4198 | 7.85 |
| | 4 | Marginal Bund (with Sodding ) | Meter | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 5 | Submergence Bundhi with Sodding | Meter | 7445 | 12.229 | 1056 | 1.735 | 1008 | 1.656 | 9509 | 15.620 |
| | 6 | Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | B- Water Resource Development | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1 | Tank/Pond | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1a | Water storing capacity | cub.m | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 1b | Area proposed for irrigation | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 2 | Water Harvesting Bundhi /Gully Plug/Earthen Check dam | No. | 18 | 13.114 | 3 | 1.860 | 3 | 1.776 | 24 | 16.750 |
| | 2a | Water storing capacity | | 45000 | | 7500 | | 7500 | | 60000 | |
| | 2b | Area proposed for irrigation | | 56.25 | | 9.375 | | 9.375 | | 75 | |
| | 3 | Check Dam/Drop Spliiway | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | 3 | Water storing capacity | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3b | Area proposed for irrigation | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Others specify | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| C- Drainage Line Treatment | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Upper reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1- Vegetative / Brush wood | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | checks | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Loose Boulder checks / Structure. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | 3- Gavion structures | No. (Each 3cum.) | 5 | 0.3 | 1 | 0.06 | 1 | 0.06 | 7 | 0.42 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | No. (Each 3cum) | 3 | 0.18 | 2 | 0.12 | 2 | 0.12 | 7 | 0.42 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | WHB/CD (Pucca) | No. | 7 | 11.950 | 1 | 1.700 | 1 | 2.250 | 9 | 15.9 |
| 5a | Water storing capacity | | 16000 | | 4000 | | | | 20000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 20 | | 5 | | | | 25 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | | | | | | | | |
| | Total | | | 46.276 | | 6.682 | | 7.013 | | 59.970 |

**Table 6. : Micro Watershed wise Development activity Plan :**

| Particular of Measures/Activities | | Unit | Khajuriya | | Satarwas | | Teela -I | | Mainwar-I | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 2 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Soil & Water Conservation Measures :- | | | | | | | | | | |
| A- Moisture Conservation Measures | | | | | | | | | | |
| 1 | Field Bund | Meter | 3810 | 0.770 | 2010 | 0.410 | 2880 | 0.580 | 2760 | 0.560 |
| 2 | Contour Bund (with Sodding ) | Meter | 4111 | 1.930 | 2169 | 1.020 | 3108 | 1.460 | 2978 | 1.400 |
| 3 | Peripheral Bund (with Sodding ) | Meter | 3781 | 7.070 | 1995 | 3.730 | 2858 | 5.350 | 2739 | 5.120 |
| 4 | Marginal Bund (with Sodding ) | Meter | | | | | | | | |
| 5 | Submergence Bundhi with Sodding | Meter | 8565 | 14.070 | 4518 | 7.420 | 6475 | 10.630 | 6205 | 10.190 |
| 6 | Others specify | | | | | | | | | |
| | **Total** | | **20267** | **23.840** | **10692** | **12.580** | **15321** | **18.020** | **14682** | **17.270** |
| B- Water Resource Development | | | | | | | | | | |
| 1 | Tank/Pond | No. | | | | | | | | |
| 1a | Water storing capacity | cub.m | | | | | | | | |
| 1b | Area proposed for irrigation | ha. | | | | | | | | |
| 2 | WHBi/GP/Earthen check dam | cum | 26538 | 15.100 | 13999 | 7.960 | 20060 | 11.410 | 19224 | 10.930 |
| 2a | Water storing capacity | | 38000 | | 50000 | | 34000 | | 38000 | |
| 2b | Area proposed for irrigation | | 47.5 | | 62.5 | | 42.5 | | 47.5 | |
| 3 | Check Dam/Drop Spliiway | | 3 | 3.500 | 1 | 0.900 | 1 | 0.900 | 1 | 0.900 |
| 3 | Water storing capacity | | 12000 | | 4000 | | 4000 | | 4000 | |
| 3b | Area proposed for irrigation | | 15 | | 5 | | 5 | | 5 | |
| 4 | Others specify | | | | | | | | | |
| | **Total** | | | **18.600** | | **8.860** | | **12.310** | | **11.830** |
| C- Drainage Line Treatment | | | | | | | | | | |
| Upper reaches | | | | | | | | | | |
| 1 | 1- Vegetative / Brush wood | No. | | | | | | | | |
| | checks | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 2- Loose Boulder checks / Structure. | | | | | | | | | |
| 3 | 3- Gavion structures | | 7 | 0.420 | 3 | 0.180 | 5 | 0.300 | 5 | 0.300 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | . | 6 | 0.360 | 3 | 0.180 | 5 | 0.300 | 4 | 0.240 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/Cd Pucca | No. | 8 | 12.050 | 3 | 6.200 | 3 | 6.200 | 3 | 6.200 |
| 5a | Water storing capacity | | 32000 | | 12000 | | 12000 | | 12000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 40 | | 15 | | 15 | | 15 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | **Total** | | | | | | | | | |
| | Silvi-Posteral System | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | A. Tree + Grasses | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Sirash+Stylo Hamata & Cencrunch | | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 |
| | Subabul-Stylo Hamata & Cencrunch | | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 |
| | Grass Species | | | | | | | | | |
| | 1. Hetropogon/Crysopogon (On bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | 2. Cencrush (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | 3.Dinanath Grass (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 |
| | **Total** | | | | | | | | | |
| | | | | | | | | | | |
| Livelihood for landless People/Farmers | | | | | | | | | | |
| Strengthening Local ME activities as already practiced by Farmer/Groups | | | | | | | | | | |
| 1 | Goatary | | 4 | 0.880 | 2 | 0.480 | 4 | 0.960 | 3 | 0.720 |
| 2 | Poultry- | | 4 | 0.975 | 1 | 0.244 | 2 | 0.481 | 4 | 0.949 |
| 3 | Vermi /Nadef/Composting | | 3 | 0.720 | 2 | 0.480 | 3 | 0.720 | 2 | 0.489 |
| 4 | Daliya Making | | 4 | 0.960 | 3 | 0.722 | 2 | 0.490 | 1 | 0.240 |
| 5 | Floor Mill | | 2 | 0.490 | | | | | 1 | 0.249 |
| 6 | Carpainter | | 1 | 0.240 | 2 | 0.306 | 3 | 0.713 | 1 | 0.263 |
| 7 | Repairing | | 2 | 0.480 | | | | | 2 | 0.250 |
| 8 | Tailoring | | 3 | 0.570 | 2 | 0.480 | 3 | 0.720 | 1 | 0.245 |
| 9 | Black Smithi | | 2 | 0.490 | 1 | 0.240 | 1 | 0.250 | 2 | 0.480 |
| # | Oil Speller | | | | 1 | 0.240 | 1 | 0.240 | 1 | 0.249 |
| # | Dal Mill | | 1 | 0.245 | | | | | 1 | 0.249 |
| | Iundividual | | | 0.807 | | 0.426 | | 0.610 | | 0.585 |
| **Total** | | | **26** | **6.857** | **14** | **3.618** | **19** | **5.184** | **19** | **4.968** |
| | Agriculture Production System | | | | | | | | | |
| | **Crop Demonstration** | | | | | | | | | |
| | **1. SMC Area** | | | | | | | | | |
| | 1.Field pea (ICM) | | 20/10 | 0.575 | 20/10 | 0.403 | 20/10 | 0.403 | 20/10 | 0.403 |
| | 2. Lineseed (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 |
| | 3. Mustered (ICM) | | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 4.Til (IPNM) | | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 |
| | 5. Lentil (ICM) | | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 |
| | 6. Chikpea (ICM) | | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 |
| | 7. Urd (ICM) | | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 |
| | 8. Sorghum (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 |
| | 9. Wheat (ICM) | | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 |
| | **Total** | | **161/80.5** | **3.045** | | **2.873** | | **2.873** | | **2.873** |
| | **2. Water Resource Area** | | | | | | | | | |
| | **Production of seeds** | | | | | | | | | |
| | 1.Field pea | | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 |
| | 2. Lineseed | | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 |
| | 3. Mustered | | | | | | | | | |
| | 4.Til | | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 |
| | 5. Lentil | | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 |
| | 6. Chikpea | | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 |
| | 7. Wheat | | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 |
| | **Total** | | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** |
| | Micro Inter Prises (Individual) | | | 2.596 | | 1.370 | | 1.962 | | 1.881 |
| | **Total Crop Prod. & micro Interproses** | | | **7.046** | | **5.648** | | **6.240** | | **6.159** |
| Agro forestry:- | | No. of Plants | | | | | | | | |
| A | Scattered Plantation | | | | | | | | | |
| | 1. Aonla | | 100 | 0.060 | 60 | 0.036 | 60 | 0.036 | 75 | 0.045 |
| | 2. Ber | | 75 | 0.038 | 40 | 0.020 | 50 | 0.025 | 50 | 0.025 |
| | 3. Beal | | 40 | 0.024 | 30 | 0.018 | 50 | 0.030 | 40 | 0.024 |
| | 4. Citrus Spp. | | 45 | 0.023 | 25 | 0.013 | 40 | 0.020 | 30 | 0.015 |
| | 5. Guava | | 100 | 0.060 | 50 | 0.030 | 75 | 0.045 | 50 | 0.030 |
| | **Total** | | **360** | **0.204** | **205** | **0.117** | **275** | **0.156** | **245** | **0.139** |
| | B. Agri-Horticulture System | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1. Anola | Ha. | 2.000 | 0.450 | 2.000 | 0.450 | 2.000 | 0.450 | 2.000 | 0.450 |
| | 2. Ber | Ha | 0.250 | 0.056 | 0.250 | 0.056 | 0.250 | 0.056 | 0.500 | 0.113 |
| | 3. Guava | Ha | 0.577 | 0.136 | 0.305 | 0.072 | 0.436 | 0.102 | 0.418 | 0.098 |
| | **Total** | | **2.827** | **0.642** | **2.555** | **0.578** | **2.686** | **0.609** | **2.918** | **0.661** |
| | C. Block Plantation/Orchard | | | | | | | | | |
| | 1. Aonla (Spacing 8x8 M) | ha. | 1.500 | 0.084 | 1.000 | 0.056 | 1.500 | 0.084 | 0.750 | 0.042 |
| | 2. Guava (Spacing 8x6 M) | ha | 0.750 | 0.090 | 0.750 | 0.090 | 0.750 | 0.090 | 0.750 | 0.090 |
| | 3. Ber (Spacing 8x5 M) | ha | 0.500 | 0.060 | 0.500 | 0.060 | 0.500 | 0.060 | 0.500 | 0.060 |
| | **Total** | | **2.750** | **0.234** | **2.250** | **0.206** | **2.750** | **0.234** | **2.000** | **0.192** |
| | **D. Afforestation on Private Land** | | | | | | | | | |
| | 1. Teak (4x2.5 M) | ha | 0.5 | 0.280 | 0.5 | 0.280 | 1 | 0.280 | 0.5 | 0.280 |
| | 2. Shisham (8x6M ) | ha | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 |
| | 3. Beal (8x8M) | ha | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 |
| | 4. JamunScarred Plantation | No. | 100 | 0.060 | 45 | 0.027 | 70 | 0.042 | 60 | 0.036 |
| | **Total** | | | **0.660** | | **0.627** | | **0.642** | | **0.636** |
| | **Livestock Management** | | | | | | | | | |
| | Cow | | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 |
| | Buffeloes | | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 |
| | Goatary | | 277/25 | 0.015 | 146/13 | 0.008 | 209/19 | 0.011 | 201/18 | 0.011 |
| | Poultry | | 4/4 | | 4/4 | | 4/4 | | 4/4 | |
| | Broiler | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 |
| | Layers | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 |
| | Dairy | | 10/2 | 0.200 | 10/2 | 0.200 | 10/2 | 0.200 | 10/2 | 0.200 |
| | Green Fodder | Farmer/Ha | 4.2 | 0.160 | 4.2 | 0.160 | 4.2 | 0.160 | 4.2 | 0.160 |
| | **Total** | | | **2.547** | | **2.540** | | **2.543** | | **2.543** |
| | **Vetenary Services** | | | | | | | | | |
| | 1. Vaccination/ | no | 926 | 0.046 | 488 | 0.024 | 700 | 0.035 | 671 | 0.034 |
| | 2. Infertility Management | no. | 600 | 0.024 | 288 | 0.012 | 554 | 0.022 | 354 | 0.014 |
| | Live stock Improvement Management | | | | | | | | | |
| | Artificial Insemination | No | 150 | 0.075 | 150 | 0.075 | 150 | 0.075 | 150 | 0.075 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Natural Service | He Buffelo | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 |
| | **Total** | | **1677** | **0.385** | **927** | **0.351** | **1405** | **0.372** | **1176** | **0.363** |

| Particular of Measures/Activities | | Unit | Mainwar-II | | Teela-II | | Singepur | | Total | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Qanty | Cost | Qanty | Cost | Qanty | Cost | Qanty | Cost |
| 2 | | 3 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Soil & Water Conservation Measures :- | | | | | | | | | | |
| A- Moisture Conservation Measures | | | | | | | | | | |
| 1 | Field Bund | Meter | 2730 | 0.550 | 4680 | 0.950 | 4230 | 0.860 | 23100 | 4.680 |
| 2 | Contour Bund (with Sodding ) | Meter | 2946 | 1.380 | 5050 | 2.370 | 4564 | 2.150 | 24926 | 11.710 |
| 3 | Peripheral Bund (with Sodding ) | Meter | 2709 | 5.060 | 4645 | 8.690 | 4198 | 7.850 | 22925 | 42.870 |
| 4 | Marginal Bund (with Sodding ) | Meter | | | | | | | | |
| 5 | Submergence Bundhi with Sodding | Meter | 6137 | 10.080 | 10521 | 17.280 | 9509 | 15.620 | 51930 | 85.290 |
| 6 | Others specify | | | | | | | | | |
| | **Total** | | **14522** | **17.070** | **24896** | **29.290** | **22501** | **26.480** | **122881** | **144.550** |
| B- Water Resource Development | | | | | | | | | | |
| 1 | Tank/Pond | No. | | | | | | | | |
| 1a | Water storing capacity | cub.m | | | | | | | | |
| 1b | Area proposed for irrigation | ha. | | | | | | | | |
| 2 | WHBi/GP/Earthen check dam | cum | 19014 | 10.810 | 32597 | 18.540 | 29463 | 16.750 | 160895 | 91.500 |
| 2a | Water storing capacity | | 34000 | | 40000 | | 48000 | | 282000 | |
| 2b | Area proposed for irrigation | | 42.5 | | 50 | | 60 | | 352.5 | |
| 3 | Check Dam/Drop Spliiway | | 3 | 3.500 | 4 | 5.200 | 4 | 5.200 | 17 | 20.100 |
| 3 | Water storing capacity | | 12000 | | 16000 | | 16000 | | 68000 | 0.000 |
| 3b | Area proposed for irrigation | | 15 | | 20 | | 20 | | 85 | 0.000 |
| 4 | Others specify | | | | | | | | | |
| | **Total** | | | **14.310** | | **23.740** | | **21.950** | | **111.600** |
| C- Drainage Line Treatment | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Upper reaches | | | | | | | | | | |
| 1 | 1- Vegetative / Brush wood | No. | | | | | | | | |
| | checks | | | | | | | | | |
| 2 | 2- Loose Boulder checks / Structure. | | | | | | | | | |
| 3 | 3- Gavion structures | | 5 | 0.300 | 8 | 0.480 | 7 | 0.420 | 40 | 2.400 |
| 4 | 4- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Middle reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | 1 | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | 2- Gavion structures. | . | 4 | 0.240 | 7 | 0.420 | 7 | 0.420 | 36 | 2.160 |
| 3 | 3- Sunken Pond (Kadahi Tal) / | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | 4- Percolation Tank | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | 5- Other Suitable Structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| Lower reaches | | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 1 | Loose Boulder checks /Structures | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 2 | Gavion structures. | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 3 | Sunken Pond (Kadahi Tal) / | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 4 | Percolation Tank. | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 5 | WHB/Cd Pucca | No. | 6 | 10.250 | 10 | 16.500 | 9 | 15.900 | 42 | 73.300 |
| 5a | Water storing capacity | | 24000 | | 40000 | | 36000 | | 168000 | |
| 5b | Area proposed for irrigation by Nala Bund/WHB | | 30 | | 50 | | 45 | | 210 | |
| 6 | Nala straightening | cu.m. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 7 | Nala Bund Stabilization works/vegetative measures | ha. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8 | Masonry Check Dams | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8a | Water storing capacity | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| 8b | Area proposed for irrigation | No. | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Others suitable structures | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | **Total** | | | | | | | | | **77.860** |
| | Silvi-Posteral System | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | A. Tree + Grasses | | Nil | Nil | Nil | Nil | Nil | Nil | Nil | Nil |
| | Sirash+Stylo Hamata & Cencrunch | | 1 | 0.250 | 1 | 0.250 | 1 | 0.250 | 7 | 1.750 |
| | Subabul-Stylo Hamata & Cencrunch | | 0.75 | 0.187 | 0.75 | 0.187 | 0.75 | 0.187 | 5.25 | 1.309 |
| | Grass Species | | | | | | | | | |
| | 1. Hetropogon/Crysopogon (On bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | 2. Cencrush (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | 3.Dinanath Grass (On Bund) | Sq. M. | 2500 | 0.120 | 2500 | 0.120 | 2500 | 0.120 | 17500 | 0.840 |
| | **Total** | | | | | | | | | **5.579** |
| | | | | | | | | | | **339.589** |
| Livelihood for landless People/Farmers | | | | | | | | | | |
| Strengthening Local ME activities as already practiced by Farmer/Groups | | | | | | | | | | |
| 1 | Goatary | | 3 | 0.720 | 10 | 2.000 | 8 | 1.820 | 34 | 7.580 |
| 2 | Poultry- | | 4 | 0.771 | 5 | 1.211 | 8 | 1.800 | 28 | 6.431 |
| 3 | Vermi /Nadef/Composting | | 2 | 0.460 | 3 | 0.720 | 4 | 0.960 | 19 | 4.549 |
| 4 | Daliya Making | | 1 | 0.240 | 2 | 0.490 | 3 | 0.268 | 16 | 3.410 |
| 5 | Floor Mill | | 2 | 0.498 | 2 | 0.420 | 2 | 0.480 | 9 | 2.137 |
| 6 | Carpainter | | 1 | 0.240 | 2 | 0.470 | 2 | 0.440 | 12 | 2.672 |
| 7 | Repairing | | 1 | 0.120 | 1 | 0.223 | 3 | 0.440 | 9 | 1.513 |
| 8 | Tailoring | | 1 | 0.120 | 3 | 0.536 | 3 | 0.720 | 16 | 3.391 |
| 9 | Black Smithi | | 2 | 0.480 | 2 | 0.480 | 2 | 0.140 | 12 | 2.560 |
| # | Oil Speller | | 1 | 0.249 | 1 | 0.240 | 1 | 0.240 | 6 | 1.458 |
| # | Dal Mill | | 1 | 0.249 | 1 | 0.243 | | | 4 | 0.986 |
| | Iundividual | | | 0.578 | | 0.991 | | 0.896 | | 4.893 |
| **Total** | | | **19** | **4.725** | **32** | **8.024** | **36** | **8.204** | **165** | **41.580** |
| | Agriculture Production System | | | | | | | | | |
| | **Crop Demonstration** | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **1. SMC Area** | | | | | | | | | |
| | 1.Field pea (ICM) | | 20/10 | 0.403 | 20/10 | 0.575 | 20/10 | 0.575 | 140/70 | 3.335 |
| | 2. Lineseed (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 35/17.5 | 1.400 |
| | 3. Mustered (ICM) | | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 5/2.5 | 0.070 | 35/17.5 | 0.490 |
| | 4.Til (IPNM) | | 8/4 | 0.160 | 8/4 | 0.160 | 8/4 | 0.160 | 56/28 | 1.120 |
| | 5. Lentil (ICM) | | 20/10 | 0.470 | 20/10 | 0.470 | 20/10 | 0.470 | 140/70 | 3.290 |
| | 6. Chikpea (ICM) | | 8/4 | 0.300 | 8/4 | 0.300 | 8/4 | 0.300 | 56/28 | 2.100 |
| | 7. Urd (ICM) | | 10/5 | 0.200 | 10/5 | 0.200 | 10/5 | 0.200 | 70/35 | 1.400 |
| | 8. Sorghum (ICM) | | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 5/2.5 | 0.200 | 35/17.5 | 1.400 |
| | 9. Wheat (ICM) | | 30/15 | 0.870 | 30/15 | 0.870 | 30/15 | 0.870 | 210/115 | 6.090 |
| | **Total** | | | **2.873** | | **3.045** | | **3.045** | | **20.625** |
| | **2. Water Resource Area** | | | | | | | | | |
| | **Production of seeds** | | | | | | | | | |
| | 1.Field pea | | 6/3 | 0.240 | 6/3 | 0.240 | 6/3 | 0.240 | 42/21 | 1.680 |
| | 2. Lineseed | | 6/3 | 0.105 | 6/3 | 0.105 | 6/3 | 0.105 | 42/21 | 0.735 |
| | 3. Mustered | | | | | | | | | |
| | 4.Til | | 4/2 | 0.160 | 4/2 | 0.160 | 4/2 | 0.160 | 28/14 | 1.120 |
| | 5. Lentil | | 12/6 | 0.360 | 12/6 | 0.360 | 12/6 | 0.360 | 84/42 | 2.520 |
| | 6. Chikpea | | 10/5 | 0.450 | 10/5 | 0.450 | 10/5 | 0.450 | 70/35 | 3.150 |
| | 7. Wheat | | 6/3 | 0.090 | 6/3 | 0.090 | 6/3 | 0.090 | 42/21 | 0.630 |
| | **Total** | | **44/22** | **1.405** | **44/22** | **1.405** | **44/22** | **1.405** | **308/154** | **9.835** |
| | Micro Inter Prises (Individual) | | | 1.860 | | 3.189 | | 2.882 | | 15.740 |
| | **Total Crop Prod. & micro Interproses** | | | **6.138** | | **7.639** | | **7.332** | | **46.200** |
| Agro forestry:- | | No. of Plants | | | | | | | | |
| A | Scattered Plantation | | | | | | | | | |
| | 1. Aonla | | 70 | 0.042 | 125 | 0.075 | 110 | 0.066 | 600 | 0.360 |
| | 2. Ber | | 50 | 0.025 | 100 | 0.050 | 100 | 0.050 | 465 | 0.233 |
| | 3. Beal | | 40 | 0.024 | 75 | 0.045 | 60 | 0.036 | 335 | 0.201 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 4. Citrus Spp. | | 25 | 0.013 | 70 | 0.035 | 50 | 0.025 | 285 | 0.143 |
| | 5. Guava | | 50 | 0.030 | 100 | 0.060 | 75 | 0.045 | 500 | 0.300 |
| | **Total** | | **235** | **0.134** | **470** | **0.265** | **395** | **0.222** | **2185** | **1.236** |
| | B. Agri-Horticulture System | | | | | | | | | |
| | 1. Anola | Ha. | 2.000 | 0.450 | 3.000 | 0.675 | 2.500 | 0.563 | 15.500 | 3.488 |
| | 2. Ber | Ha | 0.500 | 0.113 | 1.000 | 0.225 | 1.000 | 0.225 | 3.750 | 0.844 |
| | 3. Guava | Ha | 0.414 | 0.097 | 0.771 | 0.181 | 0.641 | 0.151 | 3.562 | 0.837 |
| | **Total** | | **2.914** | **0.660** | **4.771** | **1.081** | **4.141** | **0.938** | **22.812** | **5.168** |
| | C. Block Plantation/Orchard | | | | | | | | | |
| | 1. Aonla (Spacing 8x8 M) | ha. | 1.500 | 0.084 | 2.000 | 0.112 | 2.500 | 0.140 | 10.75 | 0.602 |
| | 2. Guava (Spacing 8x6 M) | ha | 0.750 | 0.090 | 1.000 | 0.120 | 1.250 | 0.150 | 6 | 0.720 |
| | 3. Ber (Spacing 8x5 M) | ha | 0.500 | 0.060 | 1.000 | 0.120 | 1.000 | 0.120 | 4.5 | 0.540 |
| | **Total** | | **2.750** | **0.234** | **4.000** | **0.352** | **4.750** | **0.410** | **21.25** | **1.862** |
| | **D. Afforestation on Private Land** | | | | | | | | | |
| | 1. Teak (4x2.5 M) | ha | 0.5 | 0.280 | 1 | 0.570 | 1 | 0.570 | 5 | 2.540 |
| | 2. Shisham (8x6M ) | ha | 2 | 0.220 | 2 | 0.220 | 2 | 0.220 | 14 | 1.540 |
| | 3. Beal (8x8M) | ha | 1 | 0.100 | 1 | 0.100 | 1 | 0.100 | 7 | 0.700 |
| | 4. JamunScarred Plantation | No. | 55 | 0.033 | 80 | 0.048 | 75 | 0.045 | 485 | 0.291 |
| | **Total** | | | **0.633** | | **0.938** | | **0.935** | | **5.071** |
| | **Livestock Management** | | | | | | | | | |
| | Cow | | 60/88 | 0.012 | 60/88 | 0.012 | 60/88 | 0.012 | 420/616 | 0.084 |
| | Buffeloes | | 2/2 | 0.240 | 2/2 | 0.240 | 2/2 | 0.240 | 14/14 | 1.680 |
| | Goatary | | 199/18 | 0.010 | 340/31 | 0.018 | 308/28 | 0.016 | 1680/152 | 0.088 |
| | Poultry | | 4/4 | | 4/4 | | 4/4 | | 28/28 | 0.088 |
| | Broiler | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 14/14 | 0.088 |
| | Layers | | 2/2 | 0.960 | 2/2 | 0.960 | 2/2 | 0.960 | 14/14 | 0.088 |
| | Dairy | | 10/2 | 0.200 | 15/3 | 0.300 | 15/3 | 0.300 | 80/16 | 0.088 |
| | Green Fodder | Farmer/Ha | 4.2 | 0.160 | 10/5 | 0.400 | 8/4 | 0.320 | 38/19 | 1.520 |
| | **Total** | | | **2.542** | | **2.890** | | **2.808** | | **3.724** |
| | **Vetenary Services** | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1. Vaccination/ | no | 663 | 0.033 | 1137 | 0.057 | 1028 | 0.051 | 5613 | 0.281 |
| | 2. Infertility Management | no. | 571 | 0.023 | 800 | 0.032 | 785 | 0.031 | 3952 | 0.158 |
| | Live stock Improvement Management | | | | | | | | | |
| | Artificial Insemination | No | 150 | 0.075 | 200 | 0.100 | 180 | 0.090 | 1130 | 0.565 |
| | Natural Service | He Buffelo | 1 | 0.240 | 1 | 0.240 | 1 | 0.240 | 7 | 1.680 |
| | **Total** | | **1385** | **0.371** | **2138** | **0.429** | **1994** | **0.413** | **10702** | **2.684** |

**Chapter-6**

# CAPACITY BUILDING PLAN

The capacity building of various stake holders will be given very high priority as the watershed is to be developed in participatory mode. Capacity building initiative plays very important role in human resource development of model watershed to replicate and train other watershed resource persons. The capacity building initiatives include training to government officials, CBOs, farmers and PIAs through field days, handson trainings, exposure visits to successful watersheds, training materials and etc. Need-based specialized training courses will be conducted. The details of the training institutes for capacity building and training to stake holders on participatory watershed management are summarized in Table 6.1 and 6.2, respectively.

**Table 6.1: List of identified training institutes for capacity building**

| Sr. No. | Name of the Training Institute | Full Address with contact no, website & e-ma | Designation of the Head of Institute | Type of Institute | Area(s) of specialization | No. of training assigned | No. of persons to be trained | Allocation to be made to the institute |
|---|---|---|---|---|---|---|---|---|
| 1 | Krishi Vigyan Kendra | Lalitpur (Village Khiriya Mishra) | Programme Coordinator | Agriculture University | Extension Agronomy Home Science Soil Science | 20 | 900 | Proposal with budget will be received |
| 2 | DIRD | Jhansi Road Vill. Ronda, Lalitpur | Coordinator | State Govt. | Small scale | 7 | 175 | Do |
| 3 | Indian Institute of Grass Land | Gwalior Road, Jhansi | Director | GoI (ICAR) | Grasses and fodder | 7 | 175 | Do |
| 4 | Deptt. Of Horticulture | Lalitpur | DHO | State Govt | Fruit and Vegetable Production | 3 | 75 | Do |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | National Research Center for Agro-Forestry | Gwalior Road, Jhansi | Director | GOI, (ICAR) | Agro-forestry and NRM on watershed basis | 16 | 800 | Do |

**Capacity Building**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (a) SLNA Level | No. | 2x2x14 | 1.20 | 2x2x14 | 1.20 | 2x2x14 | 1.20 | | | 168 | **3.36** |
| | (b) District Level | No. | 1x2x42 | 0.50 | 1x2x42 | 0.50 | 1x2x42 | 0.50 | | | 252 | **1.50** |
| | (c) WDT Level | No. | 3x3x4 | 0.22 | 3x3x4 | 0.22 | | | | | 72 | **0.43** |
| | (d) WC Level | No. | 3x2x200 | 7.20 | 3x2x150 | 5.40 | 3x2x145 | 5.21 | | | 2970 | **17.81** |
| | **(2) No. of Total Persons to be trained** | | | | | | | | | | | |
| | (a) SLNA Level | No. | | | | | | | | | | |
| | (b) District Level | No. | | | | | | | | | | |
| | (c) WDT Level | No. | | | | | | | | | | |
| | (d) WC Level | No. | | | | | | | | | | |

**Training to stack Holders on participatory watershed management**

| Sl. No. | Client Group | Title of the Programme/Duration/Time | Objectives | Coverage/Topics | Training Metholdology | Training Institution |
|---|---|---|---|---|---|---|
| 1 | Watershed Committee & WDT Members | Planning and implementation OF iwmp Project-3 days | To strengthening WC & WDt for planning and executing the project | Natural Resource management livelihood options for landl;ess and marginal farmers. Improved Agriculture production system | Lectures, video and visit to successful watershed | National Reasearch Centre fro Agro forestry Gwalior Rd. Jhansi |
| 2 | Users Group, SHG Members | Agriculture Production system ands specialized training for SHGs | To increase the agriculture productivity and livelihood improvement | Integrated crop management in pulses, cereals, oilseeds vegitable, and small scale Industries related to agricuilture | Lectures, video and visit | KVK, Lalitpur |
| 3 | Management of natural resources on watershed basis and agro forestry | Awareness and strengthening of knowledge and skills | NRM Production system and livelihood | | Lectures, video and visit to successful watershed | National Reasearch Centre fro Agro forestry Gwalior Rd. Jhansi |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Secretaries of WC and WDT/PIA members | Book-keeping and record Maintatenance | Mantainance of record and preparing budget | Cash book and Ledger registers preparing budget, maintainance of accounts | Lectures and Practical Exercise | National Reasearch Centre fro Agro forestry Gwalior Rd. Jhansi |
| 5 | PIA/WDT members | Cultivation of fodder in watershed | Awareness and knowledge enhancement | Package pf practices of fodder cultivation | Lectures, video and visit to successful watershed | Indian Grass land and fodder Reacherch Institute, Jhansi |
| 6 | PIA/WDT/WC Members | Knowledge of market and pricing | Awareness and knowledge enhancement | Market intelligence | Lectures, video and visit | Agriculture Technology Management Agency (ATMA) |
| 7 | PIA/WDT Members | Design of SWC structure | Strengthining of knowledge | SWC Structures | Lectures, practical, video and visit to successful watershed | NRCAF, Jhansi CSWCRTI&RS, Datia, M.P. |

Chapter-7

# PHASING OF PROGRAMME AND BUDGETING

## 7.1 Monitoring and Evaluation

Monitoring of the project will be done at each stage and it will be carried out for both, process and outcome. Some community members will be trained and will be involved in participatory monitoring of various parameters and processes and the crop yields. The interventions, expenditure and other information will be displayed in the micro-watershed through wall writings. Besides trained community members, PIA/DWDU will also monitor the physical and financial progress of watershed development programme. Frontier technologies viz. GIS and Remote Sensing techniques will be used by the PIA/DWDU for monitoring and evaluation. The PIA shall submit quarterly progress reports (countersigned by the Watershed Committee (WC) President) to the DWDU for further submission to the SLNA. Sustainable and unbiased monitoring will be ensured by involving an independent agency. About 1 per cent of the total budget will be used on this activity.

**Plan for Evaluation**

Watershed development activities bring about both tangible and intangible benefits. In order to quantify the benefits, impact analysis has been proposed.

**Theme**

It is presumed that as a consequence of watershed development activities there will be noticeable change in socio-economic status of inhabitants, cropping intensity, ground water recharge, crop diversification, fuel, fodder and small timber availability, livestock composition and milk production, etc. These indicators can be gauged over bench mark data both at the beginning and at the end of the project within the watershed.

**Observations**

The following indicators will be taken into account for quantitative and qualitative assessment. For the purpose, detailed questionnaires will be prepared and field observations will be carried out.

- Duration of availability of drinking water/irrigation and groundwater recharge
- Irrigation frequency and area under irrigation
- Changes in cropping pattern and cropping systems in the farmers fields along with productivity and incomes
- Soil health
- Satellite monitoring for vegetation cover and other parameters
- Fuel, fodder and small timber availability
- Livestock composition and productivity
- Periodic pest and disease monitoring will be done in major crops
- Socio-economic aspects including resource inventory

• Following indices will also be worked out as qualitative indicators of the watershed development:
• Land Improvement Index (LII)
• Crop Diversification Index (CDI)
• Cultivated Land Utilization Index (CLUI)
• Crop Fertilization Index (CFI)
• Induced Watershed Eco-Index (IWEI)

The concurrent and post-project monitoring and evaluation would be conducted to assess the status of watershed related interventions. It will be done by an independent agency having similar experiences. About 1 per cent of the total budget will also be used on evaluation.

**7.2 Annual Action Plan (AAP)**

Physical and financial targets and outlays and their year wise break ups are given Table 7.1. Year wise financial phasing for the budget available (Rs. 462.00 lakh) with IWMP-I, district lALITPUR is given in Table 7.2.

**Table 7.1: Physical and financial targets and outlays and their year wise break ups of IWMP-I, lALITPUR**

| **Project - IWMP-I** | | | **PIA - LDWR, Lalitpur-I** | | | | | | **District-Lalitpur** | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | First Year | | Second Year | | Third Year | | Fourth Year | | Total Project | |
| | | | 2010-11 | | 2011-12 | | 2012-13 | | 2013-14 | | | |
| S. No. | Physical and Financial targets | Unit | Physical | Financial | Physical | Financial | Physical | Financial | Physical | Financial | Physical | Financial |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| **1** | **Administrative** | | | | | **9.24** | | **23.1** | | **13.86** | | **46.2** |
| **2** | **Monitoring** | | | | | **1.16** | | **2.31** | | **1.155** | | **4.62** |
| **3** | **Evaluation** | | | | | **1.16** | | **2.31** | | **1.155** | | **4.62** |
| **4** | **Entry Point Activity** | **No.** | | | | | | | | | | |
| | **(1) Planned** | | | | | | | | | | | |
| | (a) No. of Activities | No. | 25 | 18.48 | | | | | | | 25 | 18.48 |
| | (b) No. of beneficiaries | No. | 340 | | | | | | | | 340 | |
| | **Sub Total** | | | **18.48** | | | | | | | | **18.48** |
| **5** | **Institutional and Capacity bulding** | | | | | | | | | | | |
| | **(1) No. of Persons to be** | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **trained** | | | | | | | | | | | |
| | (a) SLNA Level | No. | 2x2x14 | 1.2 | 2x2x14 | 1.2 | 2x2x14 | 1.2 | | | 168 | **3.36** |
| | (b) District Level | No. | 1x2x42 | 0.5 | 1x2x42 | 0.5 | 1x2x42 | 0.5 | | | 252 | **1.5** |
| | (c) WDT Level | No. | 3x3x4 | 0.22 | 3x3x4 | 0.22 | | | | | 72 | **0.43** |
| | (d) WC Level | No. | 3x2x200 | 7.2 | 3x2x150 | 5.4 | 3x2x145 | 5.21 | | | 2970 | **17.81** |
| | **Sub Total** | | | **9.12** | | | | | | | | **23.1** |
| **6** | **DPR Preparation** | **MWS No.** | **8** | **4.62** | | | | | | | **8** | **4.62** |
| **7** | **Watershed Works** | | | | | | | | | | | |
| | **(1) SMC** | Ha. | 633 | 28.88 | 792 | 36.1 | 792 | 36.1 | 950 | 43.33 | 3167 | **144.41** |
| | **(2) Water Resource Development** | | | | | | | | | | | |
| | (a) Structures Drop Spilway | No. | | | | | | | | | | |
| | 1. Drop Spilway | No. | 5 | 4.500 | 12 | 16.400 | 13 | 25.4 | 12 | 27 | 42 | **73.3** |
| | 2. Gabion | No. | 23 | 1.380 | 23 | 1.380 | 25 | 1.5 | 5 | 0.3 | 76 | **4.56** |
| | (b) Storage Capacity | cum. | 30000 | | 72000 | | 78000 | | 72000 | | 252000 | |
| | (c) Life saving irrigation | Ha. | 46.15 | | 110.77 | | 120 | | 110.77 | | 387.69 | |
| | (d) Users Groups | Na. | 13 | | 32 | | 35 | | 32 | | 112 | |
| | (3) Vegitation & Engineering | | | | | | | | | | | |
| | Gully Plug/Earthen Ckeck Dam/WHB | Cu.m. | 20628 | 11.640 | 41342 | 24.960 | 10867 | 24.96 | 55054 | 31.33 | 223891 | **92.89** |
| | **(3) Afforestation/Pausture development** | | | | | | | | | | | |
| | (a) Area | Ha. | | | 3.5 | 1.000 | 3.5 | 1 | 4 | 0.75 | 11 | **2.75** |
| | (b) No. of Plants | No. | | | 4000 | 0.280 | 4000 | 0.28 | 6000 | 0.42 | 16000 | **0.98** |
| | (c) Users Groups | No. | | | | | | | | | | |
| | **(4) Afforestation on Private Land** | | | | | | | | | | | |
| | (a) Area | Ha. | | | 3.5 | 0.840 | 14 | 3.36 | 14 | 3.36 | 31.5 | **7.56** |
| | (b) No. of Plents | No. | | | 105 | 0.060 | 490 | 0.29 | 490 | 0.29 | 1085 | **0.651** |
| | Fencing | R.M. | | | 456 | 0.180 | 456 | 0.18 | 520 | 0.21 | 1432 | **0.573** |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **(5) Pausture** | | | | | | | | | | | |
| | (a) Area | | 1 | 0.001 | 2 | 0.002 | 2 | 0.002 | 3 | 0.003 | | **0.004** |
| | **Sub Total** | | | **17.521** | | **45.102** | | **56.972** | | **63.663** | | **183.268** |
| **8** | **Production System** | | | | | | | | | | | **327.678** |
| | **(1) Agriculture** | | | | | | | | | | | |
| | **(a) Crop demonstration** | | | | | | | | | | | |
| | (1) No. of Demo. | No. | | | 40 | 1 | 200 | 5 | 200 | 5 | 440 | **11** |
| | (2) Area | Ha. | | | 30 | | 135 | | 136 | | 301 | **0** |
| | **(b) Seed Production** | | | | | | | | | | | |
| | (1) No. of Demo. | No. | | | 40 | 1 | 125 | 3.12 | 125 | 3.12 | 290 | **7.241** |
| | (2) Area | Ha. | | | 20 | | 88 | | 88 | | 196 | **0** |
| | **(2) Horticulture/Agri-Horticulture** | | | | | | | | | | | |
| | (a) Area | Ha. | | | 3.5 | 0.86 | 14 | 3.43 | 15.5 | 3.8 | 33 | **8.087** |
| | (b) No. of Plants | No. | | | | | | | | | | |
| | **(3) Agro Forestry** | | | | | | | | | | | |
| | (a) Scattered Plantation | | | | | | | | | | | |
| | (i) No. of plants | | | | 300 | 0.18 | 1325 | 0.8 | 1325 | 0.795 | 2950 | **1.77** |
| | (b) Block plantation | | | | | | | | | | | |
| | (i) Area | | | | 3.5 | 0.42 | 14 | 1.68 | 14 | 1.68 | 31.5 | **3.78** |
| | **(4) Animal husbandary** | | | | | | | | | | | |
| | **(a) Green fodder** | | | | 3.5/7 | 0.16 | 14/28 | 0.66 | 14/28 | 0.658 | | **1.481** |
| | **(b) Rearing of milch cattel** | | | | | | | | | | | |
| | (i) Cow | No. of unit/farmer no | 42/84 | 0.03 | 140/280 | 0.08 | 140/280 | 0.8 | 40/84 | 0.03 | 360/728 | **0.94** |
| | (ii) Buffalos | No. of unit/farmer no | - | - | 8 | 1.18 | - | - | - | - | 8 | **1.18** |
| | (c) Goatary | ' | 140/14 | 0.01 | 700/70 | 0.04 | 700/70 | 0.04 | 140/14 | 0.07 | 1680/168 | **1.2** |
| | (d) Poultry | | 3 | 0.27 | 7 | 0.63 | 7 | 0.63 | 4 | 0.36 | 21 | **1.89** |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (e) Fisheries | | | | | | 3 | 0.27 | | | 3 | **0.27** |
| | (f) Dairy | | 7 | 0.14 | 14 | 0.27 | 14 | 0.27 | 7 | 0.14 | 42 | **0.821** |
| | (g) Health camps | | 400 | 0.02 | 1600 | 0.07 | 1450 | 0.02 | 0.0667 | | 0.18 | **0.11** |
| | (h) Artificial insemination | | | | 350 | 0.18 | 600 | 0.3 | 550 | 0.275 | 1500 | **0.75** |
| | (i) Natural Service Bull | | | | 7 | 1.68 | | | | | 7 | **1.68** |
| | **Sub Total** | | | **0.47** | | **7.75** | | **17.02** | | **15.928** | | **42.2** |
| | **(5) Micro Enterprises** | | | | | | | | | | | |
| | (a) No. of units | | | | | | 2 | 4 | | | 4 | **4** |
| | (b) No. of beneficiaries | | | | | | 25 | | | | 25 | |
| | (c) Income per year | | | | | | 2.5 | | | | | |
| | **Sub Total** | | | | | | | | | | | **46.2** |
| **9** | **Livelihood activities through SHG's** | | | | | | | | | | | |
| | **(1) Activity Goatary** | | | | | | | | | | | |
| | (a) No. of SHG's | | 12 | 2.86 | 10 | 2.4 | 10 | 2.4 | 7 | 1.687 | 39 | **9.351** |
| | (b) No of members | | 120 | | 100 | | 100 | | 70 | | | |
| | (c) Estimated income per year | | 0.03 | | 0.03 | | 0.03 | | 0.03 | | | |
| | **(2) Activity Back Yard** | | | | | | | | | | | |
| | (a) No. of SHG's | | | | | | | | | | | |
| | (b) No of members | | | | | | | | | | | |
| | (c) Estimated income per year | | | | | | | | | | | |
| | **(3) Activity- Poultry Boiler** | | | | | | | | | | | |
| | (a) No. of SHG's | | 8 | 1.9 | 10 | 2.44 | 10 | 2.44 | 6 | 1.392 | 34 | **8.169** |
| | (b) No of members | | 80 | | 100 | | 100 | | 100 | | | |
| | (c) Estimated income per year | | 0.03 | | 0.03 | | 0.03 | | | 0.03 | | |
| | **(4) Activity- Black Smithy** | | | | | | | | | | | |
| | (a) No. of SHG's | | 0 | 0 | 6 | 0.613 | 6 | 0.613 | | | 12 | **1.226** |
| | (b) No of members | | | | 60 | | 60 | | | | | |
| | (c) Estimated income per year | | | | 0.025 | | 0.025 | | | | | |
| | **(5) Daliya Making** | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (a) No. of SHG's | | 2 | 0.18 | 0 | 0 | 0 | 0 | 15 | 1.31 | 17 | **1.487** |
| | (b) No of members | | 20 | | | | | | 150 | | | |
| | (c) Estimated income per year | | 0.2 | | | | | | 0.2 | | | |
| | **(6) Tailoring** | | | | | | | | | | | |
| | (a) No. of SHG's | | 0 | 0 | 5 | 1.05 | 0 | 1.05 | 5 | 0.982 | 15 | **3.08** |
| | (b) No of members | | | | 50 | | | | 50 | | | |
| | (c) Estimated income per year | | | | 0.04 | | | 0.04 | | | | |
| | **(7) Implement Repair** | | | | | | | | | | | |
| | (a) No. of SHG's | | 0 | 0 | 2 | 0.23 | 2 | 0.23 | 2 | 0.46 | 6 | **0.924** |
| | (b) No of members | | | | 16 | | 16 | | 16 | | | |
| | (c) Estimated income per year | | | | 0.3 | | 0.3 | | 0.3 | | | |
| | **(8) Vermi Composting** | | | | | | | | | | | |
| | (a) No. of SHG's | | 4 | 0.94 | 7 | 1.7 | 0 | 0 | 9 | 2.169 | 20 | **4.809** |
| | (b) No of members | | 40 | | 70 | | | | 90 | | | |
| | (c) Estimated income per year | | 0.25 | | 0.25 | | | | 0.25 | | | |
| | **(9) Acxtivity- Food processing** | | | | | | | | | | | |
| | (a) No. of SHG's | | | | | | | | | | | |
| | (b) No of members | | | | | | | | | | | |
| | (c) Estimated income per year | | | | | | | | | | | |
| | **(10) Activity- Mini Dal Mill** | | | | | | | | | | | |
| | (a) No. of SHG's | | 0 | 0 | 0 | 0 | 3 | 0.99 | 0 | 0 | 3 | **0.986** |
| | (b) No of members | | | | | | 21 | | | | | |
| | (c) Estimated income per year | | | | | | 0.05 | | | | | |
| | **(11) Mini Floor Mill** | | | | | | | | | | | |
| | (a) No. of SHG's | | | | 4 | 0.99 | 0 | 0 | 3 | 0.737 | 7 | **1.723** |
| | (b) No of members | | | | 28 | | | | 21 | | | |
| | (c) Estimated income per year | | | | 0.35 | | | | 0.35 | | | |
| | **(12) Mini Oil Expeller** | | | | | | | | | | | |
| | (a) No. of SHG's | | | | 7 | 1.7 | 7 | 1.7 | | | 14 | **3.4** |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (b) No of members | | | | 49 | 0.5 | 49 | 0.5 | | | | |
| | (c) Estimated income per year | | | | | | | | | | | |
| | **(13) Carpentry** | | | | | | | | | | | |
| | (a) No. of SHG's | | 0 | 0 | 4 | 0.77 | 4 | 0.77 | | | 8 | **1.532** |
| | (b) No of members | | | | 28 | | 32 | | | | | |
| | (c) Estimated income per year | | | | 0.3 | | 0.3 | | | | | |
| | **(14 Activity- Other Specify** | | | | | | | | | | | |
| | (a) No. of SHG's | | | | | | | | | | | |
| | (b) No of members | | | | | | | | | | | |
| | (c) Estimated income per year | | | | | | | | | | | |
| | Individaual | | | | | | | | | | | 4.893 |
| | **Sub Total** | | | **5.88** | | **12.393** | | **10.733** | | **8.767** | | **41.58** |
| **10** | **Consolidation & Withrawal Phase activities** | | | | | | | | | **13.86** | | **13.86** |
| | **Grand Total** | | | 84.971 | | 118.585 | | 156.957 | | 170.444 | | **530.957** |
| | | | | | | | | | | **IWMP** | | **462** |
| | | | | | | | | | | **Convergence** | | **68.957** |

**Year wise financial phasing (Rs. In lakh) Project IWMP-I, LDWR-Lalitpur-I**

| S. No | Component | 1st year (2009-10) | 2nd year (2010-11) | 3rd year (2011-12) | 4th year (2012-13) | Total |
|---|---|---|---|---|---|---|
| 1 | Administrative cost | - | 9.240 | 23.100 | 13.860 | 46.200 |
| 2 | Expert for monitoring | - | 1.155 | 2.310 | 1.155 | 4.620 |
| 3 | Expert for evaluation | | 1.155 | 2.310 | 1.155 | 4.620 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Entry Point Activities like improvement in drinking water system, & water harvesting etc. | - | 18.480 | 0.000 | 0.000 | 18.480 |
| 5 | DPR Preparation | - | 4.620 | 0.000 | 0.000 | 4.620 |
| 6 | Institutional and capacity building | - | 13.860 | 9.240 | 0.000 | 23.100 |
| 7 | Watershed Works | - | 34.600 | 138.480 | 85.640 | 258.720 |
| 8 | Livelihood Programme(Community based) | - | 4.620 | 23.100 | 13.860 | 41.580 |
| 9 | Production System & Micro Interprises | - | 4.620 | 32.340 | 9.240 | 46.200 |
| 10 | Consolidation Phase | - | 0.000 | 0.000 | 13.860 | 13.860 |
| 11 | TOTAL | - | 92.350 | 230.880 | 138.770 | 462.000 |

**Chapter-8**

# CONSOLIDATION AND WITHDRAWAL STRATEGY

**Consolidation and Withdrawal Strategy**

Success of any program depends on sustainability of the various watershed interventions and sustainability can only be achieved through active participation of community. Active participation and cooperation of community can be ensured by building their capacities through

exposures and trainings. From the beginning emphasis will be on capacity building and empowerment of stakeholders. The Watershed Committee, SHGs, Area Groups, Users Group and other CBOs will be established, trained, and strengthened to continue development after

withdrawal of PIA. By building economic activities through CBOs community participation will be sustained. The PR&D approach along with demand driven interventions will reduce dependency on subsidies. Contributions from the community will be ensured for the entire activities to develop sense of belongingness and these contributions will be deposited to the account of Watershed Development Fund. Watershed Development Fund will also be strengthening through donations from the individual and institutions

and the CBOs will be trained to run watershed as business model on sustainable basis. The tangible economic benefits along with empowerment and hand holding by PIA will empower the CBOs to develop and sustain the watershed activities after withdrawal of the PIA. Community organizations will withdraw the money from the WDF to maintain the asset created during the implementation phase. The consolidation phase will also include

- Writing of project completion report
- Documentation of success stories
- Making films, leaflets, bulletins and the lessons learnt.

The expenditure will be done as per the Common Guidelines for Watershed Development Projects 2008.

The completion report will reflect the development on following aspects:

- Productivity enhancement (increase in total productivity, seed replecment, farm mechanization, resources use and operational efficiency.
- Nutritional security (Production of diverse food commodities)
- Risk minimization (Integrated farming system, water harvesting and protected cultivation, value addition and improved markenting)
- State of environment (Improvement in vegetative cover, hydrology and adoption of IPNM)
- Profitability (Loss preventing and cost reducing measures, valu addition and agro-processing.)
- Livelihood security (skill enhancement capacity building, increased employment in agriculture and allied enterprises. Reduction in drudgery of farm women and out migration)

Chapter-9

# EXPECTED PROJECT OUTCOME

## 9.1 Employment Generation and Checking Migration

There had been very heavy migration from Bundelkhand region. During drought years, it is as high as 39% against an average migration rate of 11%, in other regions of Uttar Pradesh towards northern part of the country, specially the states of Delhi, Punjab and Haryana, as agriculture labours, factory workers, rickshaw pullers etc. The major reason attributed to high rate of migration is continuous rought in the region and absence of any other alternate livelihood opportunity, in spite of several anti-poverty programmes. Due to watershed management the cropping intensity will be increased by around 20 per cent, in turn acreage in agricultural activities will be increased Therefore, an additional employment will be generated annually. Therefore, no igration in search of livelihoods is expected after implementation of watershed programme.

## 9.2 Other Expected Outcome*

The following tangible benefits are expected after implementation of the project:

- Runoff will be reduced by about 15 per cent, however soil and nutrient loss may be reduced up to 30 per cent from the watershed.
- Irrigation intensity may be increased to 40 per cent from present 3 per cent life saving irrigation.
- Surface water in nallah may be available for more than 8 months against 4-5 months at present.

• Average ground water recharge of about 4 m may be easily obtained after implementation of the programme
• Productivity of crops may be increased by about 25 per cent
• Significant saving of seeds may be obtained through crop demonstration with improved package of practices
• During implementation phase about 2,30,000 mandays will be created through the soil and water conservation measures and crop/agroforestry interventions.
• The overall B C ratio of the project is estimated to be 2.35 as compared to the 1.80 in pre project scenario .

***Above mentioned outcomes are based on the meta analysis of 636 watershed projects throughout the country done by ICRISAT, Hyderabad and practical experience of watershed management in Bundelkhand region.**

**9.3 Questions to be answered**

This project will answer the following questions :

1. Will the measures taken for water harvesting sufficient enough to recharge the perched water table?
2. Will the soil and water conservation practices be helpful in combating drought?
3. Will alternate land use such as agroforestry land use system result in self reliance/prosperity in drought prone areas?
4. Can the strategies based on watershed basis yield fruitful results?
5. Response of the villagers towards the project and their participation in sustaining developed resources after withdrawal of the project?
6. Will the formation of SHGs will help in savings and generation of self employment?
7. Will the watershed programmes improve the socio-economic conditions of the stake holders?
8. Will the watershed programme helps in capacity building of the stake holders for dissemination of various activities of watershed programme?
9. Will it sustain after project withdrawal?

**9.4 Problems that could be solved as a results of this project/study**

Following problems can be tackled in the proposed watershed :

1. Solving the problems of shortage of fuel, fodder, fruit and small timber requirement of villagers.
2. Creating water resources for ground water recharge availability of surface water for animal drinking and nistar purposes.
3. Increasing fertilizer consumption and improving NPK consumption ratio.
4. Optimizing crop productivity by putting more area under HYV and irrigation.

5. Increasing cropping intensity.
6. Promoting dairying through increased fodder availability.
7. Improving basic amenities and facilities like health, education, drinking water etc.
8. Increasing per capita income and thereby standard of living of farming community.
9. Increasing co-operative membership.
10. Increasing self employment.
11. Improving living standard of society.

# Drawing
# &
# Estimates

# DETAILED ESTIMATE

**UNIT- B.S.A. SOIL & WATER RESOURCES, LALITPUR-I**

NAME OF YOJNA - I.W.M.P I YEAR- 2009-10
NAME OF WORKS - Drop Spillway
NAME OF BLOCK - Birdha NAME OF DISTT.- LALITPUR (U.P.)

| S. NO. | Particulars | No. | Specification | | | Contents Com/Smt. | Remark |
|---|---|---|---|---|---|---|---|
| | | | Length | Wirth | H/D | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (1) | E/work Foundation:- | 1 | 5.40 | 5.20 | 2.25 | 63.18 | |
| | i- Tank e/w- | 2 | 4.50 | 1.20 | 2.10 | 7.56 | |
| | ii- u/s wing wall e/w | 2 | 1.50 | 1.20 | 2.10 | 7.56 | |
| | iii- d/s wing wall e/w | | Total- | | | 78.30 | |
| | viii- Toe wall foundation | 1 | 2.70 | 0.60 | 0.45 | 20.771 | |
| | i- Super str. tank, side wall, coriest, cut off wall and toe wall bed | 1 | 2.70 | 0.55 | 0.22 | 0.327 | |
| | viii- u/s Cut off wall | 1 | 4.60 | 4.30 | 0.10 | 1.978 | |
| | ii- u/s wing wall bed- | 1 | 2.70 | 0.60 | 0.45 | 0.729 | |
| | iii- d/s wing wall bed- | | Total- | | | 22.556 | |
| (5) | Plaster Work (1:4)- | 2 | 1.20 | 0.90 | 0.10 | 0.216 | |
| | i- u/s wing wall top | 2 | 1.20 | 0.90 | 0.10 | 0.216 | |
| | ii- side wall top | 2 | 1.00 | 0.55 | - | 1.100 | Sqr. m. |
| | iii- u/s wall side | 2 | Total- | | | 2.410 | |
| | iv- criest wall top | 2 | 4.40 | 0.55 | - | 4.840 | |
| | v- d/s ‘’ criest wall u/s | 2 | 1.50 | 1.20 | - | 3.600 | |
| | vi- criest wall d/s | 1 | 4.50 | 4.20 | 0.20 | 3.780 | |
| | vii- u/s apren bed | 1 | 2.85 | 0.55 | - | 1.567 | |
| | viii- Toe wall top & etc. | 2 | 1.10 | 0.80 | 0.20 | 0.352 | |
| | ix- d/s wing wall top | 1 | 2.85 | 1.20 | - | 3.420 | |
| (3) | c.c.w. (1:4:8):- | 2 | 1.10 | 0.80 | 0.20 | 0.352 | |
| | i- In bed | 1 | 2.85 | - | 1.25 | 3.562 | |
| | ii- u/s wing walls bed- | | Total- | | | 4.484 | |
| | iii- ‘’ ‘’ Super str. | 1 | 2.70 | 1.50 | - | 4.050 | |
| (4) | R.R.S.M. Work:- (1:4) | 1 | 2.70 | 0.95 | - | 2.565 | |
| | i- u/s wing wall foundation | 2 | 1.05 | 0.70 | 0.45 | 0.662 | |
| | ii- s/w foundation | 2 | 0.95 | 0.55 | - | 1.045 | |
| | iii- u/s wing wall- | 2 | 1.00 | 0.55 | 1.70 | 1.870 | |
| | i- ‘’ ‘’ Super str. Ist stage | 2 | Total- | | | 29.799 | |
| | ii- d/s side wall- | 2 | 4.40 | 0.70 | 0.45 | 2.772 | |
| | iii- Side wall coriest u/s | 2 | 4.35 | 0.55 | 1.70 | 8.135 | |
| | iv- d/s wing wall foundation | 2 | 2.05 | 0.55 | 0.25 | 0.564 | |
| | ‘’ ‘’ Super str. IInd Stage | 2 | 4.55 | 0.55 | 0.55 | 1.705 | |
| | v- Criest wall foundation | 2 | 2.20 | 0.70 | 0.45 | 0.698 | |
| | vi- ‘’ ‘’ Super str. | 2 | 0.95 | 0.55 | 1.70 | 5.280 | |
| | e/w filling of str. | 2 | 4.40 | 0.55 | 0.45 | 1.777 | |
| (6) | | 1 | Total- | | | 37.960 | |
| | | 1 | 2.85 | 1.00 | 0.60 | 1.710 | |
| | | 1 | 2.85 | 0.55+1.00/2 | 1.20 | 2.651/2 | |
| (7) | | 2 | 5.00 | 1.50 | 2.50 | 37.500 | |


| S. NO. | Particulars | No. | Specification | | | Contents Com/Smt. | Remark |
|---|---|---|---|---|---|---|---|
| | | | Length | Wirth | H/D | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (2) | Sand laying bed:- | | | | | | |
| (5) | Plaster Work (1:4)- | | | | | | |
| (3) | c.c.w. (1:4:8):- | | | | | | |
| (4) | R.R.S.M. Work:- (1:4) | | | | | | |
| | Pointing Work (1:3)- | | | | | | |
| (6) | | | | | | | |
| (7) | | | | | | | |

# TRANSPORTATION / CARRIAGE

| S. No. | ITEM | Qty. Unit | Qty in tone | Place of carriage | Distance (km.) | | | Rate/ Tone | Amount | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | K | P. | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | **Khanda** | 22.50 | 32.60 | Pakka raod to side. | 01 | - | 01 | 79.22 | 2583.00 | |
| 2 | **Sand** | 15.25 | 23.82 | ‘’ | 01 | - | 01 | 79.22 | 1887.00 | |
| 3 | **Stone Grit** | 4.15 | 5.84 | ‘’ | 01 | - | 01 | 79.22 | 463.00 | |
| 4 | **Cement** | 92 | 4.60 | Lalitpur to site | 01 | 27 | 28 | 182.65 | 840.00 | |
| 5 | **Slave Stone** | | | | | | | | | |
| 6 | **Bricks** | | | | | | | | | |
| 7 | **Others** | | | | | | | | | |
| | **TOTAL-** | | | | | | | | **5773.00** | |

# MATERIAL CONSUMETION

| S. No. | ITEM | Quantity Cumt. | unit Cum. | Cement Bags | Sand Cum. | Stone Grit cum | Khanda Cum. | Boulders Cum. | Bricks No. | E/work cum. | Other Grit (6mm.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 11 | 12 |
| 1 | E/W in Excoriation | 78.30 | sum. | - | - | -- | - | - | - | 78.30 | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | C.C.W.(1:4:8) in Foundation | 4.484 | ‘’ | 15.232 | 2.061 | 4.166 | - | - | - | - | - |
| 3 | Sand Laying Bed- | 2.410 | ‘’ | - | 2.410 | - | - | - | - | - | - |
| 4 | Khanda Rubble Masonry work in (1:4) | 22.556 | ‘’ | 72.160 | 10.147 | - | 22.55 | - | - | - | - |
| 5 | C.C.W./R.C.C. Work (1:3:6) /(1:2:3) | - | - | - | - | - | - | - | - | - | - |
| 6 | Plastering (1:4) | 29.799 | squr | 4.35 | 0.592 | - | - | - | - | - | - |
| 7 | Pointing (1:3) | 10.945 | ‘’ | 0.514 | 0.053 | - | - | - | - | - | - |
| 8 | Brick work (1:4) | - | - | - | - | - | - | - | - | - | - |
| 9 | Boulder work | - | - | - | - | - | - | - | - | - | - |
| 10 | Others | - | - | - | - | - | - | - | - | - | - |
| | TOTAL- | | | 92.256 | 15.263 | 4.166 | 22.55 | - | - | 78.30 | - |
| | | | Say | | 92.00 | 15.25 | 4.15 | 22.50 | | - | - |

- -

# DETAILS OF LABOUR

| S. No. | Items | Quantity | Output | Skilled | Un Skilled | Total |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | **E/W in Excoriation** | **78.30** | **2.30** | **-** | **34.04** | |
| 2 | **C.C.W.(1:4:8) in Foundation** | **4.48** | **5.00** | **0.896** | **20.60** | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **3** | **Sand Laying work Bed** | **2.41 cum.** | **4.00** | **-** | **0.60** | |
| **4** | **Khanda Rubble Masonry work (1:4)** | **22.55** | **1** | **22.55** | **45.10** | |
| **5** | **Bricks works** | **-** | **-** | **-** | **-** | |
| **6** | **C.C.W. / R.C.C. works (1:3:6) / (1:2:3)** | **-** | **-** | **-** | **-** | |
| **7** | **Plastering (1:4)** | **29.79** | **8.00** | **3.72** | **5.58** | |
| **8** | **Pointing (1:3)** | **10.94** | **10.00** | **1.09** | **1.09** | |
| **9** | **Other works** | **-** | **-** | **-** | **-** | |
| **10** | **Quarrying 10 Days 1/2 Mandays Unskilled .** | **-** | **-** | **-** | **05** | |
| **11** | **Water Arrangement 3% of cost str. (Unskilled)** | **-** | **-** | **-** | **25** | |
| **12** | **Others. ( e/w fill str. u/s side)** | **37.50** | **2.85** | | **13.16** | |
| | **Total-** | | | **28.256** | **150.17** | |

**(a) Skilled No. 28** @ 185.00 = 5180.00
**(b) Unskilled No. 150** @ 100.00 =15000.00
**Total- Rs. 20180.00**

# COST OF MATARIEL

| S. No. | Material | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1 | Cement | 92 | Bags | 250 per bag | 23000.00 |
| 2 | Core Sand | 15.25 | Cum. | 1130 | 17232.00 |
| 3 | Khanda | 22.50 | ‘’ | 1025 | 23062.00 |

| | | | | | |
|---|---|---|---|---|---|
| 4 | Stone Grit | 4.15 | ‘’ | 1115 | 4627.00 |
| 5 | Steel Bar | - | - | - | - |
| 6 | Stone Slave | - | - | - | - |
| 7 | Bricks | - | - | - | - |
| 8 | Others | - | - | - | - |
| | Total- | | | | 67921.00 |

## COST OF PROJECT/ STRUCTURE

1- Material----------Rs. 67921.00

2- Labours----------Rs. 20180.00

3- Transporation /(Local) Carraige

Head Load Matarial ----------Rs. 5773.00

4- Pump Set/Water Management arrangement

@ 3% cost of Structure----------**Rs.** Included

**5-** Purposed Mandays----------**Rs.** 178

**TOTAL- 93874.00**

## DETAILED ESTIMATE

**UNIT- B.S.A. SOIL & WATER RESOURCES, LALITPUR-I**

NAME OF YOJNA - I.W.M.P I YEAR- 2009-10

NAME OF WORKS - Pakka Drop Spillway

NAME OF BLOCK - Birdha NAME OF DISTT.- LALITPUR (U.P.)

| S. NO. | Particulars | No. | Specification | | | Contents Com/Smt. | Remark |
|---|---|---|---|---|---|---|---|
| | | | Length | Wirth | H/D | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| (1) | E/work Foundation:- | | | | | | |
| | i- Tank e/w- | 1 | 5.50 | 5.50 | 2.50 | 75.625 | |
| | ii- u/s wing wall e/w | 2 | 2.00 | 1.20 | 2.20 | 10.560 | |
| | iii- d/s wing wall e/w | 2 | 2.00 | 1.20 | 2.20 | 10.560 | |
| | | Total- | | | | 96.745 | cum. |
| (2) | Sand laying bed:- | | | | | | |
| | i- side wallin bed- | 2 | 5.20 | 1.10 | 0.10 | 1.144 | |
| | ii- u/s wing wall bed- | 2 | 1.70 | 1.10 | 0.10 | 0.374 | |
| | iii- d/s wing wall bed- | 2 | 1.60 | 1.10 | 0.10 | 0.352 | |
| | iv- Criest wall '' - | 1 | 3.30 | 1.80 | 0.10 | 0.594 | |
| | v- d/s tank bed - | 1 | 3.30 | 1.50 | 0.10 | 0.502 | |
| | vi- Toe wall bed - | 1 | 3.35 | 1.80 | 0.10 | 0.268 | |
| | | Total- | | | | 3.234 | |
| (3) | c.c.w. in foundation (1:4:8):- | | | | | | |
| | i- side walls - | 2 | 5.20 | 1.00 | 0.20 | 2.08 | |
| | ii- u/s wing walls bed- | 2 | 1.50 | 1.00 | 0.20 | 0.60 | |
| | iii- d/s '' '' | 2 | 1.40 | 1.00 | 0.20 | 0.56 | |
| | iv- Criest wall- | 1 | 3.30 | 1.70 | 0.20 | 1.12 | |
| | v- d/s tank bed- | 1 | 3.35 | 1.50 | 0.20 | 1.00 | |
| | vi- Toe wall bed | 1 | 3.35 | 0.70 | 0.20 | 0.40 | |
| | | Total- | | | | 5.82 | |
| (4) | R.R.S.M. Work:- (1:4) i- u/s wing wall foundation | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | '' '' Super str. | 2 | 1.40 | 0.80 | 0.65 | 1.456 | |
| | ii- s/w foundation | 2 | 1.40 | 0.60 | 1.80 | 3.024 | |
| | '' Super str.- Ist stage | 2 | 5.20 | 0.80 | 0.65 | 5.408 | |
| | '' '' - IInd Stage | 2 | 5.20 | 0.60 | 1.00 | 6.240 | |
| | iii- d/s wing wall foundation | 2 | 4.25 | 0.60 | 0.80 | 4.080 | |
| | '' '' Super str. | 2 | 1.30 | 0.80 | 0.65 | 1.352 | |
| | iv- Criest wall foundation | 2 | 1.25 | 60.00 | 1.00 | 1.500 | |
| | '' '' Super str. ist stage | 1 | 3.30 | 1.50 | 0.65 | 3.217 | |
| | | 1 | 3.30 | 1.05+1.35/2 | 0.80 | 3.168 | |
| | | Total | | | | 29.445 | |

| S. NO. | Particulars | No. | Specification | | | Contents Com/Smt. | Remark |
|---|---|---|---|---|---|---|---|
| | | | Length | Wirth | H/D | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | B.F. | | | | | 29.445 | |
| | '' '' Super str. IInd stage | 1 | 3.30 | 0.40+1.05/2 | 0.40 | 1.155 | |
| | vi- Toe wall foundation | 1 | 3.35 | 0.70 | 0.45 | 1.055 | |
| | '' '' Super str. | 1 | 3.35 | 0.55 | 0.90 | 0.368 | |
| (5) | Plaster Work (1:4)- | | Total- | | | 32.002 | |
| | i- criest wall u/s – Ist stage | 1 | 3.30 | - | 0.50 | 1.650 | |
| | '' '' '' | 1 | 3.30 | 0.15 | - | 0.495 | |
| | '' '' - IInd stage | 1 | 3.30 | - | 0.45 | 1.485 | |
| | '' '' - top | 1 | 3.30 | 0.70 | - | 2.310 | |
| | '' '' - d/s | 1 | 3.30 | - | 1.30 | 4.290 | |
| | ii- d/s tank bed- | 1 | 3.35 | 1.50 | - | 5.025 | |
| | iii- Toe wall top | 1 | 3.35 | 0.55 | - | 1.842 | |
| | '' '' tank side- | 1 | 3.35 | - | 0.20 | 0.670 | |
| | '' '' out side- | 1 | 3.35 | - | 0.20 | 0.670 | |
| | iv- u/s wing wall top- | 2 | 1.40 | 0.60 | - | 1.680 | |
| | v- side wall top | 2 | 5.30 | 0.60 | - | 6.360 | |
| | vi- d/s wing wall top | 2 | 1.25 | 0.60 | - | 1.500 | |
| | Pointing Work (1:3)- | | Total- | | | 27.977 | |
| | i- u/s wing wall | | | | | | |
| (6) | ii- u/s side walls | 2 | 2.00 | - | 0.65 | 2.600 | |
| | iii- d/s '' '' | 2 | 1.65 | - | 1.00 | 3.300 | |
| | iv- '' '' | 2 | 2.10 | - | 1.25 | 5.250 | |
| | v- d/s wing wall | 2 | 2.20 | - | 0.60 | 2.640 | |
| | vi- '' '' | 1 | 1.75 | - | 0.45 | 0.787 | |
| | Top c.c.w. (1:2:6)- | 1 | 1.75 | - | 0.80 | 1.400 | |
| | i- u/s wing wall top | | Total- | | | 15.977 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| (7) | ii- side wall top | 2 | 1.40 | 0.60 | 0.05 | 0.084 | |
| | iii- criest wall top | 2 | 5.30 | 0.60 | 0.05 | 0.318 | |
| | iv- d/s wing wall top | 1 | 3.30 | 0.70 | 0.05 | 0.115 | |
| | v- toe wall top | 2 | 1.25 | 0.60 | 0.05 | 0.075 | |
| | | 1 | 3.35 | 0.55 | 0.05 | 3.350 | |
| | e/w filling of str. | Total- | | | | 3.942 | |
| (8) | | 2 | 6 | 1.50 | 2.50 | 45 | |

# TRANSPORTATION / CARRIAGE

| S. No. | ITEM | Qty. Unit | Qty in tone | Place of carriage | Distance (km.) | | | Rate/ Tone | Amount | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | K | P. | Total | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | **Khanda** | 32.00 | 46.38 | Pakka raod to side. | 01 | - | 01 | 79.22 | 3674.00 | |
| 2 | **Sand** | 22.70 | 35.47 | ‘’ | 01 | - | 01 | 79.22 | 2810.00 | |
| 3 | **Stone Grit** | 8.90 | 12.54 | ‘’ | 01 | - | 01 | 79.22 | 993.00 | |
| 4 | **Cement** | 144.00 | 7.20 | Lalitpur to site | 01 | 27 | 28 | 182.65 | 1315.00 | |
| 5 | **Slave Stone** | - | - | - | - | - | - | - | - | - |
| 6 | **Bricks** | - | - | - | - | - | - | - | - | - |
| 7 | **Others** | - | - | - | - | - | - | - | - | - |
| | **TOTAL-** | | | | | | | | **8792.00** | |

# MATERIAL CONSUMETION

| S. No. | ITEM | Quantity Cumt. | unit Cum. | Cement Bags | Sand Cum. | Stone Grit cum | Khanda Cum. | Boulders Cum. | Bricks No. | E/work cum. | Other Grit (6mm.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 1 | 11 | 12 |
| 1 | E/W in Excoriation | 96.745 | sum. | - | - | -- | - | - | - | 96.745 | - |
| 2 | C.C.W.(1:4:8) in Foundation | 5.82 | ‘’ | 19.79 | 2.68 | 5.41 | - | - | - | - | - |
| 3 | Sand Laying Bed- | 3.234 | ‘’ | - | 3.234 | - | - | - | - | - | - |
| 4 | Khanda Rubble Masonry work in (1:4) | 32.00 | ‘’ | 102.40 | 14.40 | - | 32.00 | - | - | - | - |
| 5 | C.C.W./R.C.C. Work (1:3:6) /(1:2:3) | 3.942 | ‘’ | 16.94 | 1.773 | 3.546 | - | - | - | - | - |
| 6 | Plastering (1:4) | 27.977 | squr | 4.08 | 0.556 | - | - | - | - | - | - |
| 7 | Pointing (1:3) | 15.977 | ‘’ | 0.75 | 0.076 | - | - | - | - | - | - |
| 8 | Brick work (1:4) | - | - | - | - | - | - | - | - | - | - |
| 9 | Boulder work | - | - | - | - | - | - | - | - | - | - |
| 10 | Others (e/w filling) | - | - | - | - | - | - | - | - | 45.00 | - |
|  | TOTAL- |  |  | 143.96 | 22.719 | 8.956 | 32.00 | - | - | 141.745 | - |
|  |  |  | Say |  | 144.00 | 22.70 | 8.90 | 32.00 | - | - | - |

-

# DETAILS OF LABOUR

| S. No. | Items | Quantity | Output | Skilled | Un Skilled | Total |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | **E/W in Excoriation** | 141.74 | 2.30 | - | 61.62 | |
| 2 | **C.C.W.(1:4:8) in Foundation** | 5.82 | 5.00 | 1.64 | 26.77 | |
| 3 | **Sand Laying work Bed** | 3.234 cum. | 4.00 | - | 0.81 | |
| 4 | **Khanda Rubble Masonry work (1:4)** | 32.00 | 1 | 32.00 | 64.00 | |
| 5 | **Bricks works** | - | - | - | - | |
| 6 | **C.C.W. / R.C.C. works (1:3:6) / (1:2:3)** | 3.942 | 5 | 0.79 | 18.12 | |
| 7 | **Plastering (1:4)** | 27.977 | 8.00 | 3.50 | 5.25 | |
| 8 | **Pointing (1:3)** | 15.977 | 10.00 | 1.60 | 1.60 | |
| 9 | **Other works** | - | - | - | - | |
| 10 | **Quarrying 10 Days 1/2 Mandays Unskilled .** | - | - | - | 05 | |
| 11 | **Water Arrangement 3% of cost str. (Unskilled)** | - | - | - | 47 | |
| 12 | **Others. ( e/w fill str. u/s side)** | - | - | - | - | |
| | **Total-** | | | 39.53 | 230.17 | |
| | | Say | | 40 | 230 | |

**(a) Skilled No. 40** @ 185.00 = 7400.00

**(b) Unskilled No. 230** @ 100.00 =23000.00

**Total- Rs. 30400.00**

# COST OF MATARIEL

| S. No. | Material | Quantity | Unit | Rate | Amount |
|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** |
| 1 | Cement | 144 | Bags | 250 per bag | 36000.00 |
| 2 | Core Sand | 22.70 | Cum. | 1130 | 25651.00 |
| 3 | Khanda | 32.00 | ‘’ | 1025 | 32800.00 |
| 4 | Stone Grit | 8.90 | ‘’ | 1115 | 9924.00 |
| 5 | Steel Bar | - | - | - | - |
| 6 | Stone Slave | - | - | - | - |
| 7 | Bricks | - | - | - | - |
| 8 | Others | - | - | - | - |
| | Total- | | | | 104375 |

## COST OF PROJECT/ STRUCTURE

**1- Material----------Rs.** 104375.00

**2- Labours----------Rs.** 30400.00

**3- Transporation /(Local) Carraige**
**Head Load Matarial ----------Rs.** 8792.00

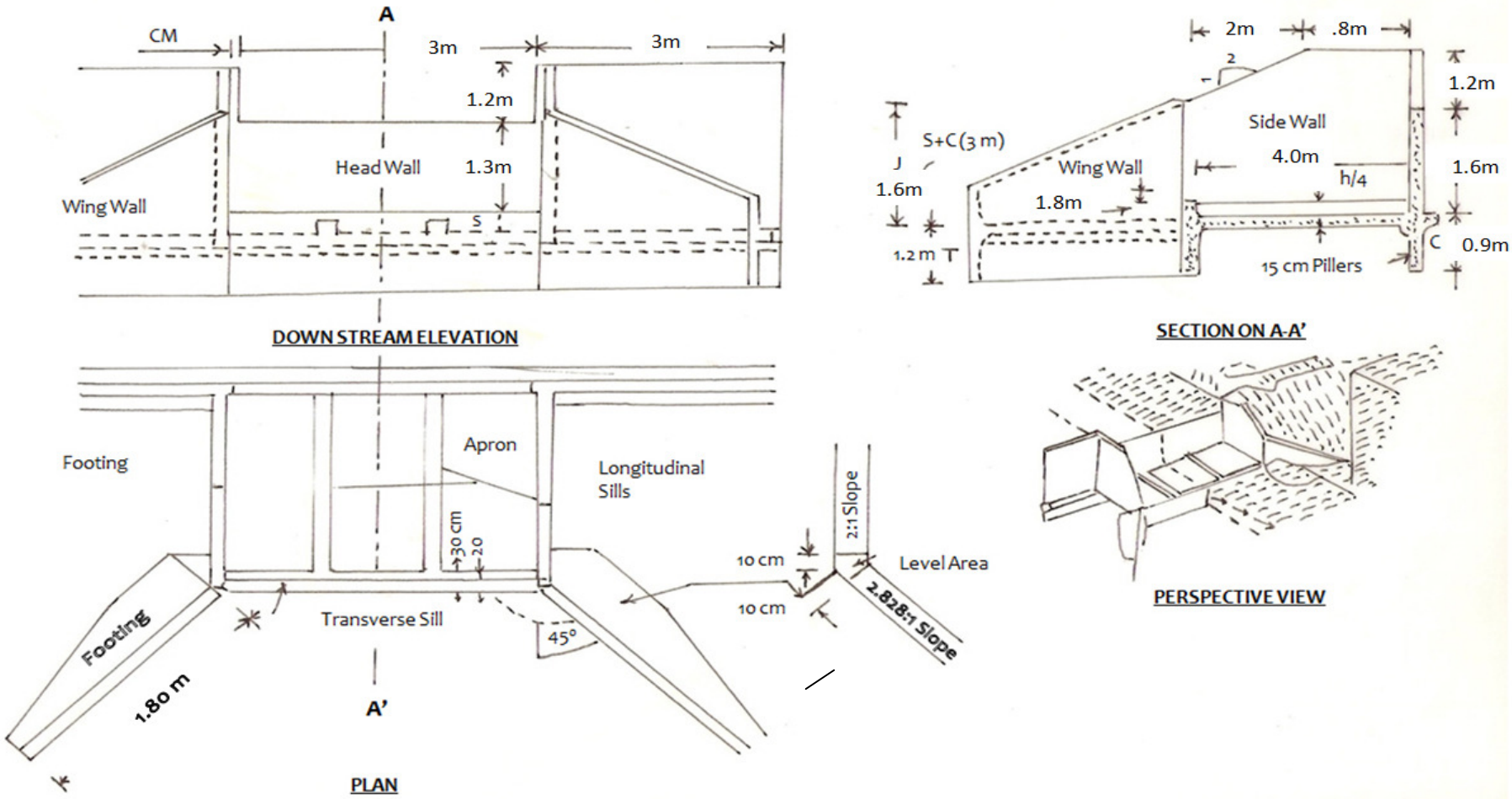
**4- Pump Set/Water Management arrangement**
**@ 3% cost of Structure----------Rs.** Included

**5- Purposed Mandays----------Rs.** 270

**TOTAL- 143567.00 Say- 143600.00**

## DRAWING OF SPILLWAY OF CREST LENGTH 3.0 m

Not to Scale



## DESIGN OF DROP SPILLWAY FOR 30.00 HA CATCHMENT AREA

Design of Drop Spillway to be constructed at a place in a gully having width of 4.0 m and catchment area 30 ha net drop 1.5 m Taking rainfall intensity for duration equal to time of concentration of watershed and design return period of 25 years , as 120mm/hr. The coefficient of runoff for the watershed is 0.3.

**1. Hydrologic design**- The design peak runoff rate ($m^3/s$) for the watershed from Rational formula is given as:

$$Q = \frac{C.I.A.}{360} = \frac{0.3 \times 120 \times 30.0}{360} = 3.0 \ m^3/s$$

**2. Hydraulic design**- The maximum discharge capacity of the rectangular weir given by

$$Q = \frac{1.711 \ L \ H^{3/2}}{(1.1+0.01 \ F)}$$

To find suitable value of L & H

Let us assume L = 3.0 m (since width of gulley is 4.00 m)

$$3.0 = \frac{1.711 \ L \ H^{3/2}}{(1.1+0.01 \times 1.5)} = \frac{1.711 \ L \ H^{3/2}}{(1.1+0.15)}$$

$$L \ H^{3/2} = \frac{3.00 \times 1.25}{1.711}$$

$$H^{3/2} = \frac{3.75}{1.711 \times 3} = 0.73$$

$$H = (0.73)^{2/3} = 0.80 \ m$$

Test: $L / h = 3.00/0.80 = 3.75 \geq 2.0$ hence O.K.

$h / f = \frac{0.80}{1.50} = 0.53 \leq$ which is approximately 0.50. Hence, O.K.

Hence the designed hydraulic dimensions of the Spillway are:

Crest Length (L) = 3.00 m

Weir depth (h) = 0.80 m

**3. Structural design –**

1-Minimum headwall extension, E = (3h + 0.6) or 1.5 f whichever is greater

E = 3x0.80+0.6 or 1.5x1.50

E = 3.0 m or 2.25 m

Head wall extension = 3.0 m

2- Length of apron basin $L_B$ = f (2.28 h/f +0.54) = 1.5 (2.28 x $\frac{0.8}{1.5}$ + 0.54)

= 1.50 (1.216 + 0.54) = 1.5 x 1.756

= 2.634 m says 2.63 m

3- Height of end sill , S = $\frac{h}{3}$ = $\frac{0.80}{3}$ = 0.26 m

4- Height of wing wall and side wall at Junction :

J = 2h or [f + h + S – ($L_B$ + 0.10)/2] whichever is greater

= 2 x 0.80 or [1.50+0.80+0.26 – (2.63+0.10)/2]

= 1.6 or [ 2.56 – 1.365]

= 1.6 or 1.195

adopt J = 1.60 m

5- M = 2 (f + 1.33 h - J) = 2 ( 1.50 + 1.33 x 0.80 – 1.60) = 2 (2.564 – 1.60)

= 1.928 m

6- K = ($L_B$ + 0.1 ) - M = (2.63 + 0.1) – 1.93

= 0.80 m

Toe and cut off walls

Normal scour depth (N S D) = 0.473 x $(Q/f)^{1/3}$

= 0.473 x $(3/1)^{1/3}$

= 0.473 x 1.442

= 0.68 m

Maximum Scour depth (M S D) = 1.5x N S D

= 1.5 x 0.68

= 1.02 m

Depth of cutoff /Toe wall = 1.02 m

**Apron thickness**: For an over fall of 1.50 m. The Apron thickness in concrete construction is 0.30 m since the structure is constructed in masonry, the Apron thickness will be 0.30 x 1.50 = 0.45 m

**Wall thickness**: The thickness of different wall of the structure (masonry construction) is given below:

| Description | Thickness of wall | |
|---|---|---|
| | Top width | Bottom width |
| Head wall | 0.45 | 1.33 |
| Side wall | 0.30 | 1.10 |
| Wing wall and head wall extension | 0.30 | 0.80 |

## DETAIL ESTIMATE OF DROP SPILLWAY OF CREST LENGTH 3.00 METRE

1. Earth work in cutting in foundation

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Side wall | 2 | 3.40 | 1.20 | 1.15 | 9.38 |
| 2 | Head wall | 1 | 3.00 | 1.60 | 1.15 | 5.52 |
| 3 | Head wall extension | 2 | 3.00 | 1.00 | 1.15 | 6.90 |
| 4 | Wing wall | 2 | 1.80 | 1.20 | 1.15 | 4.96 |
| 5 | Toe wall | 1 | 3.00 | 1.00 | 1.15 | 3.45 |
| 6 | Cut off wall | 1 | 9.00 | 1.00 | 1.15 | 10.35 |
| 7 | Apron | 1 | 3.00 | 2.65 | 0.70 | 5.56 |
| Total | | | | | | 46.12 cum |

2. Laying of sand in the bed of foundation

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Side wall | 2 | 3.40 | 1.00 | 0.10 | 0.680 |
| 2 | Head wall | 1 | 3.00 | 0.60 | 0.10 | 0.180 |
| 3 | Wing wall | 2 | 1.80 | 1.00 | 0.10 | 0.360 |
| 4 | Toe wall | 1 | 3.00 | 0.80 | 0.10 | 0.240 |
| 5 | Cut off wall | 1 | 9.00 | 1.00 | 0.10 | 0.900 |
| 6 | Apron | 1 | 3.00 | 2.65 | 0.10 | 0.795 |
| Total | | | | | | 3.155 cum |

3. C.C.W. 1: 3: 6 in foundation

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Cut off wall | 1 | 9.00 | 1.00 | 0.15 | 1.35 |
| 2 | Head wall | 1 | 3.00 | 0.60 | 0.15 | 0.27 |
| 3 | Side wall | 2 | 3.40 | 1.00 | 0.15 | 1.02 |
| 4 | Wing wall | 2 | 1.80 | 1.00 | 0.15 | 0.54 |
| 5 | Toe wall | 1 | 3.00 | 0.80 | 0.15 | 0.36 |
| 6 | Apron | 1 | 3.00 | 2.65 | 0.15 | 1.192 |
| Total | | | | | | 4.732 cum |

4. R/R Stone masonry 1:4

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Cut off wall | 1 | 9.00 | 1.00 | 0.90 | 8.100 |
| 2 | Head wall | 1 | 3.00 | 1.50 | 0.90 | 4.050 |
| | | 1 | 3.00 | (1.50+0.50) /2 | 1.50 | 4.500 |
| 3 | Head wall extension | 2 | 3.00 | 0.80 | 0.45 | 2.160 |
| | | 2 | 3.00 | 0.60 | 0.45 | 1.620 |
| | | 2 | 3.00 | 0.60 | 0.60 | 2.160 |
| | | 2 | 3.00 | 0.50 | 0.60 | 1.800 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 2 | 3.00 | 0.40 | 1.30 | 3.120 |
| 4 | Side wall | 2 | 3.40 | 1.00 | 0.45 | 3.060 |
| | | 2 | 3.60 | 0.80 | 0.45 | 2.592 |
| | | 2 | 3.80 | 0.60 | 0.60 | 2.736 |
| | | 2 | 3.90 | 0.50 | 1.00 | 3.900 |
| | | 2 | (4.00+1.40) /2 | 0.40 | 1.50 | 3.240 |
| 5 | Wing wall | 2 | 1.80 | 1.00 | 0.45 | 1.620 |
| | | 2 | 1.80 | 0.80 | 0.45 | 1.296 |
| | | 2 | 1.80 | 0.50 | (1.60+0) /2 | 1.440 |
| 6 | Toe wall | 1 | 3.00 | 0.80 | 0.45 | 1.080 |
| | | 1 | 3.00 | 0.60 | 0.45 | 0.810 |
| | | 1 | 3.00 | 0.40 | 0.30 | 0.360 |
| 7 | Apron | 1 | 3.00 | 2.65 | 0.45 | 3.577 |
| 8 | Longitudinal sill | 2 | 2.60 | 0.20 | 0.45 | 0.468 |
| | | | | Total | | 53.689 cum |

5. C.C.W. 1:2:4 on the wall

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Head wall | 1 | 3.00 | 0.50 | 0.025 | 0.037 |
| 2 | Side wall | 2 | 1.40 | 0.40 | 0.025 | 0.028 |
| | | 2 | 3.00 | 0.40 | 0.025 | 0.060 |
| 3 | Head wall extension | 2 | 3.00 | 0.40 | 0.025 | 0.060 |
| 4 | Wing wall | 2 | 2.40 | 0.50 | 0.025 | 0.060 |
| 5 | Longitudinal sill | 2 | 2.65 | 0.20 | 0.025 | 0.026 |
| 6 | Apron | 3 | 2.65 | 0.86 | 0.025 | 0.170 |
| Total | | | | | | 0.441 cum |

6. Raised Pointing 1:3

| S.No. | Description of work | No. | L | B | D/H | Quantity |
|---|---|---|---|---|---|---|
| 1 | Head wall | 1 | 3.00 | - | 1.00 | 4.56 |
| | | 1 | 3.00 | - | 1.18 | 5.40 |
| 2 | Side wall | 2 | 3.40 | - | 1.60 | 10.88 |
| | | 2 | (1.40+3.40)/2 | - | 1.50 | 7.20 |
| 3 | Head wall extension | 2 | 3.00 | - | 1.50 | 9.00 |
| 4 | Wing wall | 2 | 1.80 | - | (1.60+0)/2 | 2.88 |
| Total | | | | | | 39.86 $m^2$ |

## CONSUMPTION OF MATERIALS

| **S.No.** | **Particulars** | **Quantity** | **Cement (Bags)** | **Sand (cum)** | **Khanda (cum)** | **G.S.B 25-40 mm (cum)** | **G.S. Grit 10-20 mm (cum)** |
|---|---|---|---|---|---|---|---|
| 1 | Sand laying | 3.155 cum | - | 3.155 | - | - | - |
| 2 | C.C.W. 1:3:6 | 4.732 cum | 20.34 | 2.129 | - | 4.258 | - |
| 3 | C.C.W. 1:2:4 | 0.441 cum | 2.69 | 0.185 | - | - | 0.374 |
| 4 | S/M 1:4 | 53.689 cum | 128.85 | 18.254 | 53.689 | - | - |
| 5 | Raised Pointing 1:3 | 39.86 $m^2$ | 1.83 | 0.187 | - | - | - |
| **Total** | | | **153.71** | **23.910** | **53.689** | **4.258** | **0.374** |
| **Say** | | | **154** | **23.910** | **53.68** | **4.26** | **0.374** |

## COST OF MATERIALS

| **S.N0** | **Name of materials** | **Quantity** | **Rate** | **Amount** |
|---|---|---|---|---|
| 1 | Cement | 154 Bags | 260.00 | 40040.00 |
| 2 | Coarse sand | 23.91 | 1136.00 | 2716176.00 |

| | | | | |
|---|---|---|---|---|
| 3 | Khanda | 53.68 | 1042.00 | 55934.56 |
| 4 | G.S.B. 25-40 mm | 4.26 | 1237.00 | 5269.62 |
| 5 | Grit 10-20 mm | 0.374 | 1800.00 | 673.20 |
| **Total** | | | | **129079.14** |

## LABOUR CHARGE

| S.No. | Particulars | Quantity | Rate | Amount |
|---|---|---|---|---|
| 1. | Earth Work | 46.12 cum | 36.66/cum | 1690.75 |
| 2. | Sand Laying | 3.155 cum | 33.33/cum | 105.15 |
| 3. | C.C.W. 1:3:6 | 4.732 cum | 494/cum | 2337.60 |
| 4. | C.C.W. 1:2:4 | 1.441 cum | 494/cum | 217.85 |
| 5. | S/M 1:4 | 53.689 cum | 370/cum | 19864.93 |
| 6. | Raised Pointing | 39.86 $m^2$ | 51.61/$m^2$ | 2057.17 |
| 7. | Curing | 53.689 cum | 25.00/cum | 1342.22 |
| 8. | Chowkidar | 13 Man Days | 100.00/Man Day | 1300.00 |
| 9. | Head load & local transportation cost 10% cost of material | - | - | 12907.91 |
| | **Total** | | | **Rs. 41823.58** |

| **Total Expenditure** | |
|---|---|
| 1. Cost of materials | 129079.14 |
| 2. Labour Charges | 41823.58 |
| **Total** | **Rs. 170902.72** |
| | **Say Rs. 171000.00 only** |

## ESTIMATE OF DEMONSTRATION OF WHEAT IN WATERSHED (PER ha)

| S. No. | Particulars | Quantity | Rate | Amount | Remark |
|---|---|---|---|---|---|
| 1 | Tillage operation or preparation of field for sowing | 1.0ha | 1000.00/ha | 1000.00 | Since the project is to be operated in a participatory Mode, contribution in form of the tillage, sowing, irrigation and harvesting done by farmer is not included in the estimates |
| 2 | Cost of seed | 100.00kg | 18.00/kg | 1800.00 | |
| 3 | Sowing by seed drill | 1.0ha | 1000.00/ha | 1000.00 | |
| 4 | D.A.P. 18:46 | 160kg | 573.00/ 50 kg | 1833.60 | |
| 5 | Urea | 210kg | 270.00/ 50 kg | 1134.00 | |
| 6 | Potash(M.O.P.) | 150kg | 300.00/50kg | 900.00 | |
| 7 | Irrigation(three irrigation) | 1.00ha | 650.00/ha | 650.00 | |
| 8 | Harvesting | 1.00ha | 2000.00/ha | 2000.00 | |
| **Total** | | | | **5667.60** | |
| **Say** | | | | **5700.00** | |

**Hence demonstration cost of wheat /ha is Rs. 5700.00**

## DEMONSTRATION OF GRAM IN WATERSHED AREA (per ha)

1- Variety - irrigated – vdai,KWR-108, Rainfed – J.G-315, Avrodhi

2- Seed rate/ha -50-55kg

3- Fertilizer requirement/ha N-25.0 kg, P-80 kg, K-30 kg

### +ESTIMATE FOR DEMONSTRATION OF GRAM(PER ha)

| S.No. | Particulars | Quantity | Rate | Amount | Remark |
|---|---|---|---|---|---|
| 1 | Tillage operation in preparation of field and seed sowing | 1.0ha (twice) | 1000.00/ha | 2000.00 | Since the project is to be operated in participatory Mode, contribution by the farmer in the form of tillage, sowing operation, sowing and harvesting is not included in the estimates. |
| 2 | Cost of seed | 55kg | 90/kg | 4950.00 | |
| 3 | D.A.P | 175kg | 573.00/ 50 kg | 2005.50 | |
| 4 | M.O.P. | 65kg | 300.00/50kg | 390.00 | |
| 5 | Medicine | 1.00ha | Lump sum | 1250.00 | |
| 6 | Harvesting | 1.00ha | 700.00/ha | 700 | |
| **Total** | | | | **8595.50** | |
| **Say** | | | | **Rs. 8600.00** | |

Annexure – I

**BENEFICIARIES WISE DETAL OF WATERSDHED DEVLOPMENT ACTIVITIES**

**Detail of Proposed/Planed W/S Development Activities**

**MWS : Khajuriya 2C2D2d2a**

**Plan Estimate :: GP: Singepur** Block Birdh Distt. Lalitpur

| Name of GP | S. No | Name of Work | Khasra No. | Name of Farmer | Area | Length (Meter) | Cross Section | | | | | Earth Work | | | Rate (Rs.) per CMT | Apprrximate Estimated Amount (in Lakhs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Width (Meter) | | | Hight | Cross Section | Total Earth Work (CMT) | CS | Net Earth Work (CMT) | | |
| | | | | | | | Base | Top | Average | | | | | | | |
| Singepur | 8 | SB-1 | 77 | Mathura Shivcharan | 10.54 | 270 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 895.05 | | 895.05 | 49.47 | **0.44** |
| | | | 168 | Gorelal, Punu etc. | | | | | | | | | | | | |
| | 9 | Sb-2 | 73 | Rup Chand, Himmat | 17.57 | 450 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1491.75 | | 1491.75 | 49.47 | **0.74** |
| | | | 79 | Rupchand | | | | | | | | | | | | |
| | | | 166 | Manbhawan Bhagunte | | | | | | | | | | | | |
| | 10 | SB-3 | 72 | Kamlesh Asharam etc. | 16.79 | 430 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1425.45 | | 1425.45 | 49.47 | **0.71** |
| | | | 80 | Harman Bharosa | | | | | | | | | | | | |
| | 11 | SB-4 | 92 | Kanchhedi | 19.91 | 510 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1690.65 | | 1690.65 | 49.47 | **0.84** |
| | | | 95 | Jagbhan Mathu etc | | | | | | | | | | | | |
| | | | 18 | Barelal Balchand | | | | | | | | | | | | |
| | 12 | SB-5 | 13 | Munnalal Bharat etc. | 16.40 | 420 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1392.30 | | 1392.30 | 49.47 | **0.69** |
| | | | 15 | Gaindarani Barelal | | | | | | | | | | | | |
| | 13 | SB-11 | 358 | Bhagwandas | 7.81 | 200 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 663.00 | | 663.00 | 49.47 | **0.33** |
| | | | 363 | Bhagwandas | | | | | | | | | | | | |
| | | | 372 | Himmat Bandu | | | | | | | | | | | | |

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| 1 | Singepur | GP1 | 118 | 3.029 | Dharmu | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | | 114 | 2.266 | Rajesh etc. | | | | | | | |
| | | | 129 | 0.283 | Chaude | | | | | | | |
| | | | 121 | 1.877 | Ram Prasad | | | | | | | |
| | | | 115 | 1.837 | Dharmu | | | | | | | |
| | | | 127 | 2.379 | Ram Prasad | | | | | | | |
| | | GP3 | 180/2 | 2.52 | Kallu, Manbhawan etc. | 110 | 9.14 | 1005.40 | 55.29 | 55588.57 | 463 | 2779 |
| | | | 101 | 5.698 | Hargovind Kamlesh etc | | | | | | | |
| | | GP5 | 11 | 6.77 | Guman Munna | 130 | 9.14 | 1188.20 | 55.29 | 65695.58 | 547 | 3285 |
| | | | 7 | 1.536 | Gopi etc | | | | | | | |
| | | | 5 | 1.3 | Jasmati, Luhari la | | | | | | | |
| | | | 174 | 2.938 | Veer Singh etc. | | | | | | | |
| | | | 176 | 3.837 | Mathura Shivcharan | | | | | | | |
| | | GP-2 | 100 | 9.39 | Gorelal, Punu etc. | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 2527 |
| | | | 106 | 4.537 | Rup Chand, Himmat | | | | | | | |
| | | | 108 | 0.243 | Rupchand | | | | | | | |

**Pucca Structure**

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | | GP5 | | | | | | | | 0.90 | | |

**Plan Estimate :: GP: Khajuriya** Block Birdh Distt. Lalitpur

| Name of GP | S. No | Name of Work | Khasra No. | Name of Farmer | Area | Length (Meter) | Cross Section | | | | | Earth Work | | | Rate (Rs.) per CMT | Approximate Estimated Amount (in Lakhs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Width (Meter) | | | Hight | Cross Section | Total Earth Work (CMT) | CS | Net Earth Work (CMT) | | |
| | | | | | | | Base | Top | Average | | | | | | | |
| **Khajuriya** | 1 | **SB-6** | 99 | Dharmu | 3.67 | 350 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1160.25 | | 1160.25 | 49.47 | **0.57** |
| | 2 | SB-7 | 99 | Rajesh etc. | 1.52 | 500 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1657.50 | | 1657.50 | 49.47 | **0.82** |
| | | | 227 | Chaude | | | | | | | | | | | | |
| | | | 228 | Ram Prasad | | | | | | | | | | | | |
| | 3 | SB-8 | 224 | Dharmu | 1.52 | 500 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1657.50 | | 1657.50 | 49.47 | **0.82** |
| | | | 412 | Ram Prasad | | | | | | | | | | | | |
| | 4 | SB-9 | 412 | Kallu, Manbhawan etc. | 1.54 | 270 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 895.05 | | 895.05 | 49.47 | **0.44** |
| | 5 | SB-10 | 413 | Hargovind Kamlesh etc | 6.79 | 430 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 1425.45 | | 1425.45 | 49.47 | **0.71** |
| | 6 | SB-12 | 299 | Guman Munna | 1.81 | 200 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 663.00 | | 663.00 | 49.47 | **0.33** |
| | 7 | SB-13 | 30 | Gopi etc | 2.11 | 200 | 4.50 | 0.60 | 2.55 | 1.30 | 3.32 | 663.00 | | 663.00 | 49.47 | **0.33** |
| | | | 302 | Jasmati, Luhari la | | | | | | | | | | | | |
| | | | 303 | Veer Singh etc. | | | | | | | | | | | | |

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | Khajuriy | GP4 | 181 | 2.57 | Manbhawan Bhagunte | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 2527 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | a | | | | | | | | | | | |
| | | | 102 | 5.68 | Kamlesh Asharam etc. | | | | | | | |
| | | GP-7 | 26 | 4.571 | Harman Bharosa | 115 | 9.14 | 1051.10 | 55.29 | 58115.32 | 484 | 2906 |
| | | | 25 | 0.89 | Kanchhedi | | | | | | | |
| | | | 28 | 4.868 | Jagbhan Mathu etc | | | | | | | |
| | | | 27 | 1.412 | Barelal Balchand | | | | | | | |
| | | GP8 | 54 | 8.32 | Munnalal Bharat etc. | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 55 | 1.074 | Gaindarani Barelal | | | | | | | |
| | | | 56 | 4.288 | Bhagwandas | | | | | | | |
| | | | 57 | 0.851 | Himmat Bandu | | | | | | | |
| | | | 53 | 1.201 | Nandram | | | | | | | |
| | | GP-9 | 220 | 2.881 | Prakash Shivnaran | 125 | 9.14 | 1142.50 | 55.29 | 63168.83 | 526 | 3158 |
| | | | 221 | 0.708 | Khoob chand | | | | | | | |
| | | | 423 | 1.125 | Lsalim Khan | | | | | | | |
| | | | 424 | 2.524 | Prem Bai Ramsevak | | | | | | | |
| | | GP13 | 54 | 7.846 | Harprasad Hariram | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 46 | 4.196 | Sarif | | | | | | | |

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | Khajuriya | GP4 | 181 | 2.57 | Manbhawan Bhagunte | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 2527 |
| | | | 102 | 5.68 | Kamlesh Asharam etc. | | | | | | | |
| | | GP-7 | 26 | 4.571 | Harman Bharosa | 115 | 9.14 | 1051.10 | 55.29 | 58115.32 | 484 | 2906 |
| | | | 25 | 0.89 | Kanchhedi | | | | | | | |
| | | | 28 | 4.868 | Jagbhan Mathu etc | | | | | | | |
| | | | 27 | 1.412 | Barelal Balchand | | | | | | | |
| | | GP8 | 54 | 8.32 | Munnalal Bharat etc. | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 55 | 1.074 | Gaindarani Barelal | | | | | | | |
| | | | 56 | 4.288 | Bhagwandas | | | | | | | |
| | | | 57 | 0.851 | Himmat Bandu | | | | | | | |
| | | | 53 | 1.201 | Nandram | | | | | | | |
| | | GP-9 | 220 | 2.881 | Prakash Shivnaran | 125 | 9.14 | 1142.50 | 55.29 | 63168.83 | 526 | 3158 |
| | | | 221 | 0.708 | Khoob chand | | | | | | | |
| | | | 423 | 1.125 | Lsalim Khan | | | | | | | |
| | | | 424 | 2.524 | Prem Bai Ramsevak | | | | | | | |
| | | GP13 | 54 | 7.846 | Harprasad Hariram | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 46 | 4.196 | Sarif | | | | | | | |

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | Khajuriya | CD3 | 624 | 2.029 | Shyamlal Pradeep etc. | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 626 | 1.425 | Rati Ram | | | | | | | |
| | | | 199 | 1.073 | Bhagirath Udal etc. | | | | | | | |
| | | | 200 | 0.951 | Mulu, Sure etc. | | | | | | | |
| | | | 618 | 3.199 | Nandram Tarachand etc | | | | | | | |
| | | | 622 | 0.376 | Ram Dayal Hardas etc | | | | | | | |
| | | CD6 | 205 | 12.976 | Halke Swami prasad | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | CD9 | 123 | 2.695 | Mukhtar | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 126 | 3.018 | Sri Bai Ramsahay etc. | | | | | | | |
| | | CD16 | 352 | 6.107 | Khem chand Bharat | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | | 350 | 4.01 | Omprakash etc. | | | | | | | |
| | | | 339 | 0.659 | Bharose | | | | | | | |
| | | | 338 | 0.267 | Chaude | | | | | | | |
| | | CD- | 687 | 1.4 | Nose Parmanand | 70 | 11.76 | 823.20 | 57.54 | 47366.93 | 395 | 2368 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 19 | | | | | | | | | | |
| | | | 689 | 1.57 | Sattar puran etc. | | | | | | | |
| | | | 690 | 1.13 | Umrao Laxman | | | | | | | |
| | | | 691 | 1.124 | Umrao Nishar etc. | | | | | | | |
| | | | 683 | 0.376 | Istaf Mh. | | | | | | | |
| | | | 666 | 0.849 | Barelal etc | | | | | | | |
| | | | 655 | 0.7 | Basante Bacchu etc. | | | | | | | |
| | | CD15 | 309 | 2.991 | Mathu keshav etc. | 60 | 11.76 | 705.60 | 57.54 | 40600.22 | 338 | 2030 |
| | | | 313 | 2.336 | Dashrath etc. | | | | | | | |
| | | | 310 | 0.729 | Durju Bhupat etc. | | | | | | | |
| | | | 311 | 0.424 | Bal mukund Rajkumari | | | | | | | |
| | | CD-22 | 638 | 3.724 | Pawan sukhdev etc. | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | | 643 | 1.214 | Nandkishore | | | | | | | |
| | | | 639 | 1.417 | NandKishore | | | | | | | |
| | | CD25 | 644 | 9.389 | Lakhan Manbhawan | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 646 | 2.04 | Shikhar chand etc. | | | | | | | |

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | | WHB2 | 121 | 2.907 | Bihari lal Jagbhan | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | | 158 | 17.02 | Mahesh Kumari Jagrani | | | | | | | |
| | | | 123 | 1.983 | ganesh ram etc. | | | | | | | |
| | | WHB 3 | 217 | 3.909 | Prakash shivnarayan | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | | 215 | 0.409 | Prabhudayal Jamna | | | | | | | |
| | | | 216 | 0.652 | Ram Ratan | | | | | | | |
| | | | 214 | 2.707 | Salim Khan etc. | | | | | | | |
| | | | 218 | 0.983 | Prabhudayal Jamna | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 208 | 1.153 | Jagbhan etc | | | | | | | |
| | | WHB 5 | 180/2 | 8.39 | Gokul Bharat etc. | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | | 182 | 6.297 | Reatiram Lattu ramratan | | | | | | | |
| | | | 179 | 1.457 | Manoj Jai Chand Jagdishetc. | | | | | | | |

## Pucca Work

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | Khajuriya | CD3 | | | | | | | | 0.90 | | |
| | | CD-4 | | | | | | | | 0.90 | | |
| | | CD9 | | | | | | | | 0.90 | | |
| | | CD-19 | | | | | | | | 2.25 | | |
| | | WHB-2 | | | | | | | | 2.25 | | |
| | | WHB-4 | | | | | | | | 2.25 | | |
| | | WHB-5 | | | | | | | | 2.25 | | |

**MWS : Satarwas 2C2D2d2C**

**Plan Estimate :: GP: Andela** Block Birdh Distt. Lalitpur

| Name of GP | Name of Work | Khasra No. | Name of Farmer | Caste | Length (Meter) | Cross Section | | | | | Earth Work | | | Rate (Rs.) per CMT | Apprrximate Estimated Amount (in Lakhs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Width (Meter) | | | Hight | Cross Section | Total Earth Work (CMT) | Pre Earth Work (CMT) | Net Earth Work (CMT) | | |
| | | | | | | Base | Top | Average | | | | | | | |
| Satarwas | SB-5 | 1949 | 1.639 | Babu, munni | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | SB-6 | 1948 | 1.254 | Shrimati shringar dulaiya, sooka | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1944 | 1.732 | Shringar dulaiya, deshraj | | | | | | | | | | | |
| | SB-7 | 1675 | 2.914 | Kashiram, goribahu | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1683 | 0.709 | Kashiram, goribahu | | | | | | | | | | | |
| | SB-8 | 1004 | 1.06 | Premnarayan | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1003 | 0.749 | Shivprasad | | | | | | | | | | | |
| | | 1002 | 1.333 | Adityanarayan, bhagwan das | | | | | | | | | | | |
| | | 1001 | 0.202 | Munna | | | | | | | | | | | |
| Satarwas | PB-3 | 1939 | 1.376 | Dharmdas, prithvi singh | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1940 | 1.376 | Bhaiyalal, khurjan | | | | | | | | | | | |
| | | 1945 | 1.052 | Gorelal | | | | | | | | | | | |
| | PB-4 | 1010 | 1.538 | Premnarayan | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1009 | 0.809 | Shalikram | | | | | | | | | | | |
| | PB-5 | 1008 | 0.951 | Devi, sooke | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1007 | 0.845 | Shivprasad | | | | | | | | | | | |
| | PB-6 | 1711 | 1.199 | Shrimati phoolabai | | | | | | | | | | | |
| | PB-7 | 1706 | 0.631 | Aditya devi | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Andela | GP-5 | 11 | 3.396 | Asharam, Ghanshyam | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | GP-8 | 109 | 2.339 | Rajaram, Meera baai | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | GP-13 | 1931 | 2.041 | Shrimati suhagrani, Mahadev | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 1943 | 2.99 | Durga prasad | | | | | | | |
| | GP-15 | 1692 | 1.173 | Shrimati phoolabai | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 1703 | 0.206 | Jalma | | | | | | | |
| | | 1702 | 0.825 | Kalyan singh, Lallu raja | | | | | | | |
| | GP-16 | 977 | 3.482 | Shalikram, Shivprasad | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | GP-18 | 114 | 1.061 | Ramkesh, Jaahar singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 97 | 0.817 | Ramkesh, Jaahar singh | | | | | | | |
| | CD-4 | 104 | 0.931 | Hanumat singh, Bhagwan singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 106 | 0.539 | Genda rani, Preetam singh | | | | | | | |

**Plan Estimate :: GP: Satarwas** Block Birdh Distt. Lalitpur

| Name of GP | Name of Work | Khasra No. | Name of Farmer | Caste | Length (Meter) | Cross Section | | | | | Earth Work | | | Rate (Rs.) per CMT | Apprrximate Estimated Amount (in Lakhs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Width (Meter) | | | Hight | Cross Section | Total Earth Work (CMT) | Pre Earth Work (CMT) | Net Earth Work (CMT) | | |
| | | | | | | Base | Top | Average | | | | | | | |
| Satarwas | SB-5 | 1949 | 1.639 | Babu, munni | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | SB-6 | 1948 | 1.254 | Shrimati shringar dulaiya, sooka | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1944 | 1.732 | Shringar dulaiya, deshraj | | | | | | | | | | | |
| | SB-7 | 1675 | 2.914 | Kashiram, goribahu | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1683 | 0.709 | Kashiram, goribahu | | | | | | | | | | | |
| | SB-8 | 1004 | 1.06 | Premnarayan | 140 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 470.40 | 0.00 | 470.40 | 50.00 | **0.24** |
| | | 1003 | 0.749 | Shivprasad | | | | | | | | | | | |
| | | 1002 | 1.333 | Adityanarayan, bhagwan das | | | | | | | | | | | |
| | | 1001 | 0.202 | Munna | | | | | | | | | | | |
| Satarwas | PB-3 | 1939 | 1.376 | Dharmdas, prithvi singh | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1940 | 1.376 | Bhaiyalal, khurjan | | | | | | | | | | | |
| | | 1945 | 1.052 | Gorelal | | | | | | | | | | | |
| | PB-4 | 1010 | 1.538 | Premnarayan | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1009 | 0.809 | Shalikram | | | | | | | | | | | |
| | PB-5 | 1008 | 0.951 | Devi, sooke | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |
| | | 1007 | 0.845 | Shivprasad | | | | | | | | | | | |
| | PB-6 | 1711 | 1.199 | Shrimati phoolabai | | | | | | | | | | | |
| | PB-7 | 1706 | 0.631 | Aditya devi | 250 | 4.60 | 1.00 | 2.80 | 1.20 | 3.36 | 840.00 | 0.00 | 840.00 | 50.00 | 0.42 |

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Satarwas | CD-7 | 1659 | 0.882 | Gyasi, Ramkumar | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 6062 |
| | | 1664 | 0.806 | Vishal, Jayram | | | | | | | |
| | | 1668 | 0.59 | Kashiram, Gyasi | | | | | | | |
| | CD-8 | 985 | 0.388 | Ratanlal, Shaligram | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 6062 |
| | | 979 | 0.174 | Kalyan singh | | | | | | | |
| | | 982 | 0.138 | Naala | | | | | | | |
| | CD-15 | 1894 | 0.87 | Pragi | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 6062 |
| | | 1893 | 0.721 | Bhagwat singh | | | | | | | |
| | | 1895 | 1.205 | Bharat singh | | | | | | | |
| | CD-16 | 964 | 0.287 | Brijbhan | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 6062 |
| | | 965 | 1.416 | Brijbhan, Rahul | | | | | | | |
| | | 1694 | 0.765 | Raghuvar | | | | | | | |
| | CD-17 | 1866 | 2.578 | Jabre, Gendarani | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 6062 |
| | | 1904 | 0.753 | Kammod | | | | | | | |

**Pucca**

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Satarwas | WHB | | | | | | | | 2.25 | | |
| | WHB | | | | | | | | 2.25 | | |
| | CD-17 | | | | | | | | 1.70 | | |
| | | | | | | | | | 6.20 | | |

**MWS : Teela-I 2C2D2d2d**

**Plan Estimate :: GP: Andela** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Andela | GP-1 | 422 | 1.234 | Punu, komal | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | GP-2 | 382 | 0.741 | Deshpat | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 286 | 1.375 | Majboot, jayram | | | | | | | |
| | GP-3 | 269 | 1.829 | ramdayal, harnaam | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 303 | 0.64 | nathu shyam | | | | | | | |
| | | 305 | 2.309 | sukhram | | | | | | | |
| | GP-4 | 117 | 1.356 | khilan singh, shrimati badi bahu | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 120 | 1.186 | shrimati badi bahu, jagan | | | | | | | |
| | GP-5 | 122 | 0.599 | khilan singh, ganuva | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 94 | 1.425 | shrimati siyarani, mulayam | | | | | | | |
| | GP-6 | 39 | 0.636 | karan, sunder singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 40 | 0.931 | mulayam, harcharan | | | | | | | |
| | | 362 | 0.704 | meharban singh, chhoteraja | | | | | | | |
| | | 363 | 0.158 | chhoteraja, banjar | | | | | | | |
| | | 364 | 0.518 | arvind, banjar | | | | | | | |
| | | 175 | 0.295 | hanumat singh, tilak singh | | | | | | | |
| | GP-9 | 172 | 2.865 | parmu, sooka | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 178 | 4.665 | chhakkilal | | | | | | | |
| | GP-10 | 159 | 0.895 | lal singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 158 | 0.138 | banjar | | | | | | | |
| | | 167 | 1.027 | chhakkilal, shivlal | | | | | | | |
| | CD-1 | 226 | 0.19 | devendra, shrimati rekha | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | CD-2 | 228 | 2.105 | suneel, harnam | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 233 | 0.194 | harnam singh | | | | | | | |
| | CD-3 | 101 | 2.17 | ganua, ramesh | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 106 | 0.579 | akhilesh, chipla | | | | | | | |
| | | 105 | 1.207 | akhilesh, ramcharan | | | | | | | |
| | CD-4 | 95 | 1.553 | ganua, pyareju | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 96 | 0.966 | ganua, ramsahay | | | | | | | |
| | CD-5 | 246 | 0.405 | shyam | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 10 | 0.364 | ramuva, majboot | | | | | | | |
| | CD-6 | 1961 | 0.87 | deshraj, munni | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 1976 | 0.716 | jagdish prasad, hargovind | | | | | | | |
| | CD-7 | 922 | 5.245 | ramswaroop, bhagirath | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 923 | 2.756 | kailash narayan | | | | | | | |
| Andela | GP-1 | 417 | 2.123 | punu, pappu | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 423 | | ghanshyam, komal | | | | | | | |
| | | 418 | 1.981 | ghanshyam, komal, charagah | | | | | | | |
| | CD-1 | 273 | 0.591 | banjar, majboot singh | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 274 | 0.595 | gatta, shrimati shribaai | | | | | | | |
| | CD-5 | 251 | 1.005 | rakesh, shyam | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 249 | 0.959 | shyam | | | | | | | |
| | | 8 | 0.049 | banjar | | | | | | | |
| | | 9 | 0.356 | raghuveer singh, majboot singh | | | | | | | |
| | CD-3 | 115 | 2.335 | kalluraja, ashok kumar | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 116 | 0.988 | nathuram | | | | | | | |
| | CD-4 | 63 | 0.923 | hariram, morpal | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 62 | 0.089 | banjar | | | | | | | |
| | | 64 | 0.862 | hariram, morpal | | | | | | | |
| | | 66 | 0.344 | ramsingh | | | | | | | |
| | | 65 | 0.405 | ramsingh | | | | | | | |
| | CD-2 | 257 | 0.312 | shrimati mamta raja | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 256 | 0.425 | harnam singh, mamtaraja | | | | | | | |
| | | 259 | 0.13 | shrimati mamta raja | | | | | | | |
| | | 260 | 0.413 | harnam singh, mamtaraja | | | | | | | |
| | | 261 | 1.975 | sukhram, prakash | | | | | | | |
| | GP-6 | 36 | 0.438 | karan singh, panna | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 71 | 0.756 | khajuriyabari, morpal | | | | | | | |
| | GP-4 | 118 | 0.368 | ramcharan | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 119 | 0.522 | ramcharan | | | | | | | |
| | | 132 | 0.89 | parshuram, mohanlal | | | | | | | |
| | | 130 | 1.683 | laxman, rajdhar | | | | | | | |
| | GP-5 | 92 | 0.842 | morpal singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 93 | 1.003 | shrimati siyarani | | | | | | | |
| | | 123 | 0.53 | khilan singh, banjar | | | | | | | |
| | WHB-2 | 11 | 0.053 | banjar | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 6062 |
| | | 12 | 0.113 | banjar | | | | | | | |
| | | 13 | 0.085 | banjar | | | | | | | |
| | | 14 | 0.267 | shyam | | | | | | | |
| | WHB-3 | 17 | 0.445 | jugra | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 6062 |
| | | 19 | 1.399 | shyam, bhagat singh | | | | | | | |
| | WHB-4 | 110 | 0.226 | chipal, banjar | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 6062 |
| | | 102 | 0.125 | panidaar | | | | | | | |
| | | 103 | 0.623 | ramesh, ganesh | | | | | | | |
| | | 40 | 0.931 | khilan, harcharan | | | | | | | |
| | | 35 | 1.892 | mujje, karan singh | | | | | | | |
| | WHB-5 | 71 | 0.092 | shrimati khajuriyabari, morpal | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 6062 |
| | | 72 | 0.878 | khajuriyabari, brijnandan | | | | | | | |

**Plan Estimate :: GP: Mainwar** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Mainwar | GP-2 | 290 | 0.233 | dayaram, jayram | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 289 | 0.652 | hardas | | | | | | | |
| | GP-3 | 300 | 0.567 | raghuveer singh, maansingh | 120 | 9.14 | 1096.80 | 55.29 | 60642.072 | 505 | 6062 |
| | | 301 | 0.668 | raghuveer singh, maansingh | | | | | | | |
| | | 302 | 0.526 | shyam | | | | | | | |
| | | 308 | 0.559 | shyam | | | | | | | |
| | | 309 | 1.044 | tuduva | | | | | | | |

**Plan Estimate :: GP: Satarwas** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| satarwaas | CD-6 | 1960 | 0.473 | balkuva, latora | 80 | 11.76 | 940.80 | 57.54 | 54133.632 | 451 | 6062 |
| | | 1959 | 0.259 | sooka, avadhrani | | | | | | | |
| | | 1958 | 0.713 | sooka, avadhrani | | | | | | | |
| | | 1946 | 3.741 | shyamlal, jagdish prasad | | | | | | | |
| | | 1956 | 0.543 | balkuva, latora | | | | | | | |
| | | 1957 | 0.443 | shrimati jagrani | | | | | | | |
| | | 1947 | 0.38 | sooka | | | | | | | |

**Pucca**

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Satarwas | WHB | | | | | | | | 2.25 | | |
| | WHB | | | | | | | | 2.25 | | |
| | CD | | | | | | | | 1.70 | | |
| | | | | | | | | | 6.20 | | |

**MWS : Mainwar-I 2C2D2d2k**

**Plan Estimate :: GP: Mainwar** Block Birdh Distt. Lalitpur

| S.N. | Gram Panchayat | Name of Work | Field No./ Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | C.S. | | | | | |
| 1 | Mainwar | GP1 | 621 | 0.781 | Dalua | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 2527 |
| | | | 622 | 0.637 | Chhabili | | | | | | | |
| | | | 623 | 0.453 | Dalua | | | | | | | |
| | | | 624 | 0.357 | Sunil, Kshekdhar | | | | | | | |
| | | | 626 | 0.441 | Halkua | | | | | | | |
| | | | 627 | 1.89 | Shyamlal | | | | | | | |
| | | | 628 | 5.526 | Gajua Rakesh Ashok | | | | | | | |
| | | | 629 | 0.174 | Nala | | | | | | | |
| | | | 645 | 0.158 | Nala | | | | | | | |
| | | | 546 | 1.033 | Smt. Kali | | | | | | | |
| | | GP3 | 463 | 1.898 | Smt. Sahodra | 110 | 9.14 | 1005.40 | 55.29 | 55588.57 | 463 | 2779 |
| | | | 461 | 0.922 | Rajdhar | | | | | | | |
| | | | 482 | 1.85 | Pradeep Ratan, Raman | | | | | | | |
| | | | 485 | 1.17 | Bhaiyalal | | | | | | | |
| | | | 508 | 1.129 | Ajuddi | | | | | | | |
| | | | 507 | 0.947 | Kalle | | | | | | | |
| | | GP 4 | 453 | 2.72 | Bhaiyalal Gubanda | 130 | 9.14 | 1188.20 | 55.29 | 65695.58 | 547 | 3285 |
| | | | 454 | 1.166 | Ramswaroop | | | | | | | |
| | | | 414 | 2.278 | Bhagirath | | | | | | | |
| | | | 415 | 1.603 | Champar ram | | | | | | | |
| | | | 419 | 1.198 | Vimla Devi | | | | | | | |
| | | | 420 | 0.045 | Kassu | | | | | | | |
| | | | 421 | 1.009 | Smt Kali | | | | | | | |
| | | | 418 | 1.757 | Kamta, Azad, Narayan | | | | | | | |
| | | GP 9 | 210 | 0.85 | Sunua Bacchu | 80 | 9.14 | 731.20 | 55.29 | 40428.05 | 337 | 2021 |
| | | | 211 | 14.46 | Sunil Sunua | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 212 | 0.202 | Bacchu | | | | | | | |
| | | | 213 | 1.627 | Puran Suresh Kumar | | | | | | | |
| | | | 214 | 0.259 | Roshan | | | | | | | |
| | | | 215 | 1.262 | Meera, Guddi | | | | | | | |
| | | | 150 | 0.559 | Karan Singh | | | | | | | |
| | | | 151 | 0.081 | Nala | | | | | | | |
| | | GP 2 | 466 | 0.704 | Bhaiyan Sunder | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 470 | 1.456 | Hari Ram Komal Gajua | | | | | | | |
| | | | 471 | 0.021 | Smt. Sabai | | | | | | | |
| | | | 472 | 0.056 | Dayali | | | | | | | |
| | | | 474 | 0.142 | Banjar | | | | | | | |
| | | | 457 | 0.235 | Banjar | | | | | | | |
| | | | 476 | 1.716 | Komal | | | | | | | |

| S. N. | Gram Panchayat | Name of Work | Field No./ Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | C.S. | | | | | |
| | Mainwar | CD 1 | 625 | 1.258 | Sunil Pushpa | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 619 | 0.231 | Sri Ram Rahish | | | | | | | |
| | | | 659 | 0.028 | | | | | | | | |
| | | | 660 | 0.012 | | | | | | | | |
| | | | 613 | 0.952 | Bhaiyalal Kalle | | | | | | | |
| | | | 543 | 4.86 | Harichand Indrani | | | | | | | |
| | | | 542 | 0.648 | Param | | | | | | | |
| | | CD4 | 446 | 1.032 | Smt. Kali | 70 | 11.76 | 823.20 | 57.54 | 47366.93 | 395 | 2368 |
| | | | 445 | 0.158 | | | | | | | | |
| | | | 487 | 1.433 | Narayan Singh | | | | | | | |
| | | | 453 | 2.72 | Khushi ram | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Ramswaroop | | | | | | | |
| | | | 586 | 0.845 | Damma | | | | | | | |
| | | | 492 | 0.809 | Imrat Mangal | | | | | | | |
| | | | 493 | 0.675 | Imrat Mangal | | | | | | | |
| | | CD 6 | 390 | 1.082 | Kailash Smt. Dulari | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 392 | 1.841 | Smt. Nanni Bai | | | | | | | |
| | | | 393 | 0.299 | | | | | | | | |
| | | | 394 | 0.466 | Gajua Ganesh Hari chand | | | | | | | |
| | | | 397 | 0.619 | Smt Nanni Bai dayali | | | | | | | |
| | | | 428 | 0.04 | | | | | | | | |
| | | | 430 | 2.116 | Geeta Manoj | | | | | | | |
| | | CD9 | 741 | 1.044 | Smt. Nanni Bai | 70 | 11.76 | 823.20 | 57.54 | 47366.93 | 395 | 2368 |
| | | | 742 | 4.941 | Dayali | | | | | | | |
| | | | 198 | 5.939 | Ram Singh Kehar Singh | | | | | | | |
| | | | 183 | 1.493 | Ram Das | | | | | | | |
| | | | 187 | 1.299 | Diwan Singh | | | | | | | |
| | | CD 12 | 776 | 2.473 | Nathua Khushi ram | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 770 | 0.34 | Mulayam Jagdish prasad | | | | | | | |
| | | | 669 | | | | | | | | | |
| | | | 769 | 0.107 | | | | | | | | |
| | | | 786 | 0.646 | Govind Singh | | | | | | | |
| | | CD 2 | 628 | 3.766 | Ashok Sunil | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 546 | 1.032 | Kali | | | | | | | |
| | | | 629 | 174 | | | | | | | | |
| | | | 545 | 0.158 | Nala | | | | | | | |
| | | | 543 | 4.86 | Parma Jasua Harlal | | | | | | | |
| | | | 549 | 0.246 | Nala | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CD 7 | 346 | 0.956 | Hajariya Pancham Singh | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 347 | 0.356 | Jairam | | | | | | | |
| | | | 348 | 3.186 | Udaibhan Singh Harikishan | | | | | | | |
| | | | 351 | 1.92 | Jhullu Raja | | | | | | | |
| | | | 352 | 0.097 | Ghanshyam | | | | | | | |
| | | | 333 | 0.543 | Ghanshyam | | | | | | | |
| | | CD 14 | 974 | 6.553 | Phool Chand Brijnandan etc. | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 972 | 2.144 | Sri Ram Rahim | | | | | | | |
| | | | 975 | 1.294 | Smt. Heera Bai | | | | | | | |
| | | | 1199 | 0.801 | Smt. Phoola | | | | | | | |
| | | | 553 | 1.481 | Smt. Pyari Bahu Chhabili | | | | | | | |
| | | | 539 | 0.032 | Jasua Har lal | | | | | | | |

| S. N. | Gram Panchayat | Name of Work | Field No./ Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | C.S. | | | | | |
| | Mainwar | WHB1 | 509 | 0.809 | Kusum Sabak Singh | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | | 518 | 0.721 | Banjar | | | | | | | |
| | | | 508 | 1.129 | Bhabudi | Kalle | | | | | | |
| | | | 426 | 3.237 | Bhagola Gole Singh Parmu | | | | | | | |
| | | | 475 | 0.322 | Smt. Anjali | | | | | | | |
| | | | 512 | 0.405 | Ghanshyam | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 513 | 0.672 | Tulaiya | | | | | | | |
| | | WHB 2 | 440 | 0.065 | | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 3706 |
| | | | 441 | 1.905 | Manoj Lachhua Padam | | | | | | | |
| | | | 497 | 1.44 | Imrat Udibhan Singh | | | | | | | |
| | | | 495 | 0.251 | Smt. Radha rani | | | | | | | |
| | | | 381 | 1.069 | Ballu | | | | | | | |
| | | | 382 | 0.166 | Suresh | | | | | | | |
| | | | 383 | 0.818 | Vimla Devi Neeta | | | | | | | |
| | | | 380 | 1.618 | Prabhat Kumar Anand Kumar | 130 | 12.88 | 1674.40 | 57.54 | 96344.98 | 803 | 4817 |
| | | WHB 3 | 736 | 0.859 | Ashok Kumar | | | | | | | |
| | | | 737 | 0.202 | Bhaiyalal | | | | | | | |
| | | | 738 | 0.733 | Laxmi Narayan | | | | | | | |
| | | | 368 | 1.955 | Kallu | | | | | | | |
| | | | 367 | 0.19 | Laxmi Narayan | | | | | | | |
| | | | 363 | 0.696 | Mouji | | | | | | | |
| | | | 324 | 0.081 | Ashok Kumar | | | | | | | |
| | | | 322 | 0.53 | Ashok Kumar | | | | | | | |
| | | | 323 | 0.069 | | | | | | | | |
| | | WHB 4 | 732 | 0.911 | Laxmi narayan | 140 | 12.88 | 1803.20 | 57.54 | 103756.1 | 865 | 5188 |
| | | | 733 | 0.101 | Laxmi Narayan | | | | | | | |
| | | | 735 | 0.271 | Prem Narayan | | | | | | | |
| | | | 630 | 0.089 | | | | | | | | |
| | | | 639 | 0.182 | Bal Chand | | | | | | | |
| | | | 724 | 0.89 | Kallu | | | | | | | |
| | | | 726 | 0.049 | | | | | | | | |
| | | | 727 | 0.518 | Ram das | | | | | | | |
| | | | 370 | 0.938 | Laxmi Narayan | | | | | | | |
| | | | 375 | 0.995 | Laxman Brijesh | | | | | | | |
| | | | 376 | 0.918 | Dayali Anand Kumar | | | | | | | |
| | | WHB 5 | 512 | 0.405 | Ghanshyam | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 717 | | | | | | | | | |
| | | | 513 | 0.672 | Tulaiya | | | | | | | |
| | | | 559 | | | | | | | | | |
| | | | 550 | 0.829 | Smt. Chhabili | | | | | | | |
| | | | 551 | 0.433 | Smt. Kali | | | | | | | |
| | | | 552 | 0.615 | Gubanda | | | | | | | |
| | | | 553 | 1.481 | Smt. Pyari Bahu Chhabili | | | | | | | |
| | | | 539 | 0.032 | Jasua Har lal | | | | | | | |
| | | | | | | | | | | | | |

**Plan Estimate :: GP: Andela** Block Birdh Distt. Lalitpur

| S. N. | Gram Panchayat | Name of Work | Field No./ Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | C.S. | | | | | |
| | Andela | GP 6 | 350 | 0.202 | Banjar | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 351 | 0.162 | Ram Singh | | | | | | | |
| | | | 352 | 0.368 | Aman | | | | | | | |
| | | | 353 | 0.13 | Banjar | | | | | | | |
| | | | 354 | 0.551 | Banjar | | | | | | | |
| | | | 355 | 0.458 | Mulayam | | | | | | | |
| | | | 415 | 4.318 | Ghasita phool Singh stc. | | | | | | | |
| | | | 423 | 1.983 | Komal Ghanshyam | | | | | | | |
| | | | 429 | 1.356 | Jhangi Munna Ragua | | | | | | | |
| 1 | Mainwar | GP1 | 621 | 0.781 | Dalua | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 2527 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 622 | 0.637 | Chhabili | | | | | | | |
| | | | 623 | 0.453 | Dalua | | | | | | | |
| | | | 624 | 0.357 | Sunil, Kshekdhar | | | | | | | |
| | | | 626 | 0.441 | Halkua | | | | | | | |
| | | | 627 | 1.89 | Shyamlal | | | | | | | |
| | | | 628 | 5.526 | Gajua Rakesh Ashok | | | | | | | |
| | | | 629 | 0.174 | Nala | | | | | | | |
| | | | 645 | 0.158 | Nala | | | | | | | |
| | | | 546 | 1.033 | Smt. Kali | | | | | | | |
| | | GP3 | 463 | 1.898 | Smt. Sahodra | 110 | 9.14 | 1005.40 | 55.29 | 55588.57 | 463 | 2779 |
| | | | 461 | 0.922 | Rajdhar | | | | | | | |
| | | | 482 | 1.85 | Pradeep Ratan, Raman | | | | | | | |
| | | | 485 | 1.17 | Bhaiyalal | | | | | | | |
| | | | 508 | 1.129 | Ajuddi | | | | | | | |
| | | | 507 | 0.947 | Kalle | | | | | | | |
| | | GP 4 | 453 | 2.72 | Bhaiyalal Gubanda | 130 | 9.14 | 1188.20 | 55.29 | 65695.58 | 547 | 3285 |
| | | | 454 | 1.166 | Ramswaroop | | | | | | | |
| | | | 414 | 2.278 | Bhagirath | | | | | | | |
| | | | 415 | 1.603 | Champar ram | | | | | | | |
| | | | 419 | 1.198 | Vimla Devi | | | | | | | |
| | | | 420 | 0.045 | Kassu | | | | | | | |
| | | | 421 | 1.009 | Smt Kali | | | | | | | |
| | | | 418 | 1.757 | Kamta, Azad, Narayan | | | | | | | |
| | | GP 9 | 210 | 0.85 | Sunua Bacchu | 80 | 9.14 | 731.20 | 55.29 | 40428.05 | 337 | 2021 |
| | | | 211 | 14.46 | Sunil Sunua | | | | | | | |
| | | | 212 | 0.202 | Bacchu | | | | | | | |
| | | | 213 | 1.627 | Puran Suresh Kumar | | | | | | | |
| | | | 214 | 0.259 | Roshan | | | | | | | |
| | | | 215 | 1.262 | Meera, Guddi | | | | | | | |
| | | | 150 | 0.559 | Karan Singh | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 151 | 0.081 | Nala | | | | | | | |
| | | GP 2 | 466 | 0.704 | Bhaiyan Sunder | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 3032 |
| | | | 470 | 1.456 | Hari Ram Komal Gajua | | | | | | | |
| | | | 471 | 0.021 | Smt. Sabai | | | | | | | |
| | | | 472 | 0.056 | Dayali | | | | | | | |
| | | | 474 | 0.142 | Banjar | | | | | | | |
| | | | 457 | 0.235 | Banjar | | | | | | | |
| | | | 476 | 1.716 | Komal | | | | | | | |
| | | CD 1 | 625 | 1.258 | Sunil Pushpa | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 619 | 0.231 | Sri Ram Rahish | | | | | | | |
| | | | 659 | 0.028 | | | | | | | | |
| | | | 660 | 0.012 | | | | | | | | |
| | | | 613 | 0.952 | Bhaiyalal Kalle | | | | | | | |
| | | | 543 | 4.86 | Harichand Indrani | | | | | | | |
| | | | 542 | 0.648 | Param | | | | | | | |
| | | CD4 | 446 | 1.032 | Smt. Kali | 70 | 11.76 | 823.20 | 57.54 | 47366.93 | 395 | 2368 |
| | | | 445 | 0.158 | | | | | | | | |
| | | | 487 | 1.433 | Narayan Singh | | | | | | | |
| | | | 453 | 2.72 | Khushi ram Ramswaroop | | | | | | | |
| | | | 586 | 0.845 | Damma | | | | | | | |
| | | | 492 | 0.809 | Imrat Mangal | | | | | | | |
| | | | 493 | 0.675 | Imrat Mangal | | | | | | | |
| | | CD 6 | 390 | 1.082 | Kailash Smt. Dulari | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 392 | 1.841 | Smt. Nanni Bai | | | | | | | |
| | | | 393 | 0.299 | | | | | | | | |
| | | | 394 | 0.466 | Gajua Ganesh Hari chand | | | | | | | |
| | | | 397 | 0.619 | Smt Nanni Bai dayali | | | | | | | |
| | | | 428 | 0.04 | | | | | | | | |
| | | | 430 | 2.116 | Geeta Manoj | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CD9 | 741 | 1.044 | Smt. Nanni Bai | 70 | 11.76 | 823.20 | 57.54 | 47366.93 | 395 | 2368 |
| | | | 742 | 4.941 | Dayali | | | | | | | |
| | | | 198 | 5.939 | Ram Singh Kehar Singh | | | | | | | |
| | | | 183 | 1.493 | Ram Das | | | | | | | |
| | | | 187 | 1.299 | Diwan Singh | | | | | | | |
| | | CD 12 | 776 | 2.473 | Nathua Khushi ram | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 770 | 0.34 | Mulayam Jagdish prasad | | | | | | | |
| | | | 669 | | | | | | | | | |
| | | | 769 | 0.107 | | | | | | | | |
| | | | 786 | 0.646 | Govind Singh | | | | | | | |
| | | CD 2 | 628 | 3.766 | Ashok Sunil | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | | 546 | 1.032 | Kali | | | | | | | |
| | | | 629 | 174 | | | | | | | | |
| | | | 545 | 0.158 | Nala | | | | | | | |
| | | | 543 | 4.86 | Parma Jasua Harlal | | | | | | | |
| | | | 549 | 0.246 | Nala | | | | | | | |
| | | CD 7 | 346 | 0.956 | Hajariya Pancham Singh | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 347 | 0.356 | Jairam | | | | | | | |
| | | | 348 | 3.186 | Udaibhan Singh Harikishan | | | | | | | |
| | | | 351 | 1.92 | Jhullu Raja | | | | | | | |
| | | | 352 | 0.097 | Ghanshyam | | | | | | | |
| | | | 333 | 0.543 | Ghanshyam | | | | | | | |
| | | CD 14 | 974 | 6.553 | Phool Chand Brijnandan etc. | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | | 972 | 2.144 | Sri Ram Rahim | | | | | | | |
| | | | 975 | 1.294 | Smt. Heera Bai | | | | | | | |
| | | | 1199 | 0.801 | Smt. Phoola | | | | | | | |
| | | WHB1 | 509 | 0.809 | Kusum Sabak Singh | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 518 | 0.721 | Banjar | | | | | | | |
| | | | 508 | 1.129 | Bhabudi | Kalle | | | | | | |
| | | | 426 | 3.237 | Bhagola Gole Singh Parmu | | | | | | | |
| | | | 475 | 0.322 | Smt. Anjali | | | | | | | |
| | | | 512 | 0.405 | Ghanshyam | | | | | | | |
| | | | 513 | 0.672 | Tulaiya | | | | | | | |
| | | WHB 2 | 440 | 0.065 | | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 3706 |
| | | | 441 | 1.905 | Manoj Lachhua Padam | | | | | | | |
| | | | 497 | 1.44 | Imrat Udibhan Singh | | | | | | | |
| | | | 495 | 0.251 | Smt. Radha rani | | | | | | | |
| | | | 381 | 1.069 | Ballu | | | | | | | |
| | | | 382 | 0.166 | Suresh | | | | | | | |
| | | | 383 | 0.818 | Vimla Devi Neeta | | | | | | | |
| | | | 380 | 1.618 | Prabhat Kumar Anand Kumar | 130 | 12.88 | 1674.40 | 57.54 | 96344.98 | 803 | 4817 |
| | | WHB 3 | 736 | 0.859 | Ashok Kumar | | | | | | | |
| | | | 737 | 0.202 | Bhaiyalal | | | | | | | |
| | | | 738 | 0.733 | Laxmi Narayan | | | | | | | |
| | | | 368 | 1.955 | Kallu | | | | | | | |
| | | | 367 | 0.19 | Laxmi Narayan | | | | | | | |
| | | | 363 | 0.696 | Mouji | | | | | | | |
| | | | 324 | 0.081 | Ashok Kumar | | | | | | | |
| | | | 322 | 0.53 | Ashok Kumar | | | | | | | |
| | | | 323 | 0.069 | | | | | | | | |
| | | WHB 4 | 732 | 0.911 | Laxmi narayan | 140 | 12.88 | 1803.20 | 57.54 | 103756.1 | 865 | 5188 |
| | | | 733 | 0.101 | Laxmi Narayan | | | | | | | |
| | | | 735 | 0.271 | Prem Narayan | | | | | | | |
| | | | 630 | 0.089 | | | | | | | | |
| | | | 639 | 0.182 | Bal Chand | | | | | | | |
| | | | 724 | 0.89 | Kallu | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 726 | 0.049 | | | | | | | | |
| | | | 727 | 0.518 | Ram das | | | | | | | |
| | | | 370 | 0.938 | Laxmi Narayan | | | | | | | |
| | | | 375 | 0.995 | Laxman Brijesh | | | | | | | |
| | | | 376 | 0.918 | Dayali Anand Kumar | | | | | | | |
| | | WHB 5 | 512 | 0.405 | gHANSHYAM | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | | 717 | | | | | | | | | |
| | | | 513 | 0.672 | Tulaiya | | | | | | | |
| | | | 559 | | | | | | | | | |
| | | | 550 | 0.829 | Smt. Chhabili | | | | | | | |
| | | | 551 | 0.433 | Smt. Kali | | | | | | | |
| | | | 552 | 0.615 | Gubanda | | | | | | | |
| | | | 553 | 1.481 | Smt. Pyari Bahu Chhabili | | | | | | | |
| | | | 539 | 0.032 | Jasua Har lal | | | | | | | |

**Pucca**

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mainwar | CD 3 | 521 | | | | | | | 2.25 | | |
| | Mainwar | GP 7 | 196 | | | | | | | 2.25 | | |
| | Teela | CD 8 | 423 | | | | | | | 1.70 | | |
| | | | | | | | | | | 6.20 | | |

**MWS : Mainwar-II 2C2D2d2b**

**Plan Estimate :: GP: Mainwar** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays |
|---|---|---|---|---|---|---|---|---|---|---|
| Mainwar | CD1 | 1361 | 1.295 | Sunder, jandail singh | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 |
| | Mainwar | 1360 | 2.574 | Munni, narendra | | | | | | |
| | | 1358 | 1.705 | Dayaram, daya, varsha, gulabrani | | | | | | |
| | | 1364 | 1.197 | Shrimati sabai | | | | | | |
| | | 1371 | 6.411 | Jagan, aalam, kailash prasad | | | | | | |
| | CD2 | 1353 | 0.353 | Komal | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 |
| | Mainwar | 1355 | 0.356 | Komal | | | | | | |
| | | 1350 | 0.752 | Dayaram | | | | | | |
| | | 1374 | 0.242 | Seetaram, shrimati parwati | | | | | | |
| | | 1372 | 0.445 | naala | | | | | | |
| | | 1356 | 0.267 | Shrimati dayabai | | | | | | |
| | | 1357 | 0.777 | Mahesh | | | | | | |
| | CD3 | 996 | 0.235 | Rajesh | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 |
| | Mainwar | 997 | 0.998 | Laxman, ganeshi | | | | | | |
| | | 998 | 0.559 | Bandu, kapoore | | | | | | |
| | | 994 | 1.374 | Morpal | | | | | | |
| | | 990 | 1.271 | navla | | | | | | |
| | | 991 | 0.229 | | | | | | | |
| | | 1000 | 0.3 | Morpal | | | | | | |
| | | 1002 | 0.049 | Dulaiya | | | | | | |
| | | 1003 | 0.36 | Shrimati kusum dulaiya | | | | | | |
| | CD4 | 1169 | 1.44 | Sallan, rajdhar | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 |
| | Mainwar | 1167 | 7.471 | Gokul, inder, ranjeet | | | | | | |
| | | 1165 | 3.123 | Agan, kallu, vrindawan | | | | | | |
| | | 1163 | 2.039 | Balkishan | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1139 | 0.825 | Raboode | | | | | | |
| | | 1166 | 3.399 | Arvind, mauji | | | | | | |
| | CD5 | 1161 | 0.15 | Munnibai | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 |
| | Mainwar | 1162 | 1.011 | Moji, shrimati munnibai | | | | | | |
| | | 1163 | 1.679 | Girjadevi, jaahar, jassu | | | | | | |
| | | 11 | 1.344 | Khemchandra, gokul | | | | | | |
| | GP1 | 1378 | 4.046 | Roopsingh, rajan singh, gyaprasad, rabooda, | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | | | | mitthu | | | | | | |
| | Mainwar | 1379 | 3.723 | Gokul, foolan devi, badi bahu | | | | | | |
| | | 1376 | 5.038 | Papi raja, bhanuprakash, komal | | | | | | |
| | | 1371 | 3.205 | Babulal, chaliraja, asharam | | | | | | |
| | GP3 | 1300 | 0.74 | Banjar, nala | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | Mainwar | 1188 | 2.929 | Ghaseeta, kalla, mohan, kailash, ramesh | | | | | | |
| | | 1190 | 6.132 | Mulayam singh, jasveer, laxman, moharpal | | | | | | |
| | | 1347 | 0.376 | Pratap, govind, komal | | | | | | |
| | | 1148 | 0.061 | Banjar | | | | | | |
| | | 1301 | 5.689 | Govind singh, ghanshyam, komal, shyamabai | | | | | | |
| | GP4 | 1102 | 2.971 | Rajan, roopsingh, tulsiram | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | Mainwar | 1203 | 0.202 | Nirbhan singh | | | | | | |
| | | 1196 | 1.745 | Sardar, gyasi, hardayal, nathuva | | | | | | |
| | | 1195 | 0.376 | nala | | | | | | |
| | | 976 | | | | | | | | |
| | GP-6 | 1023 | 0.501 | Dalua | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | | 1024 | 1.835 | Jagdish, Heera lal | | | | | | |
| | | 1022 | 2.509 | Laxman Kehar | | | | | | |
| | | 1008 | 2.932 | Dallu Ghanshyam | | | | | | |
| | | 1009 | 0.615 | Laxman | | | | | | |
| | | 996 | 0.235 | Rajesh Munni Bai | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 997 | 0.998 | Laxman Acchu | | | | | | |
| | | 978 | | | | | | | | |
| | WHB-3 | 985 | 0.836 | Morpal singh | 80 | 12.88 | 1030.40 | 57.54 | 59289.22 | 494 |
| | | 986 | 0.436 | Rajan, seetaram, pushpa | | | | | | |
| | WHB-4 | 1182 | 0.401 | Shankarbai, shriram, kundan | 80 | 12.88 | 1030.40 | 57.54 | 59289.22 | 494 |
| | | 1183 | 5.748 | Munniraja, galli, shriram | | | | | | |
| | | 1109 | 0.421 | Kamal | | | | | | |
| | | 1181 | 1.935 | Hariram, shrimati shankarbai, suneel | | | | | | |
| | | 1099 | 0.121 | Patthar | | | | | | |
| | WHB-6 | 1000 | 0.3 | Morpal singh | 80 | 12.88 | 1030.40 | 57.54 | 59289.22 | 494 |
| | | 1101 | 5.463 | Tulaiya, khushali, chhamma, kassu | | | | | | |
| | | 1100 | 0.963 | Gokal | | | | | | |
| | | 1180 | | | | | | | | |
| | | 1104 | 0.065 | Roop singh, natthi | | | | | | |
| | | 1105 | 0.353 | Asharam | | | | | | |
| | WHB-5 | 1103 | 0.202 | Nirbhan singh | 80 | 12.88 | 1030.40 | 57.54 | 59289.22 | 494 |
| | | 1115 | 0.562 | Dropadi | | | | | | |
| | | 1116 | 1.874 | Rabooda, shrimati khiriyabari, girja devi | | | | | | |
| | | 1112 | 0.283 | Shrimati asharani | | | | | | |
| | | 1119 | 0.705 | Rabooda | | | | | | |
| | | 1118 | 0.506 | Girja devi | | | | | | |
| | | 1122 | 0.51 | Girja devi | | | | | | |
| | WHB-1 | 1012 | | | 80 | 12.88 | 1030.40 | 57.54 | 59289.22 | 494 |
| | | 1015 | | | | | | | | |
| | | 1016 | | | | | | | | |
| | | 1010 | | | | | | | | |
| | | 1030 | | | | | | | | |
| | | 1004 | | | | | | | | |

**Pucca Structure :**

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Mainwar | WHB-2 | | | | | | | | 0.90 | | |
| | WHB-3 | | | | | | | | 0.90 | | |
| | WHB-4 | | | | | | | | 1.70 | | |
| | WHB-5 | | | | | | | | 2.25 | | |
| | WHB-7 | | | | | | | | 2.25 | | |
| | WHB-1 | | | | | | | | 2.25 | | |
| | **Total** | | | | | | | | **10.25** | | |

**Plan Estimate :: GP: Khajuriya** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays |
|---|---|---|---|---|---|---|---|---|---|---|
| Khajuriya | GP-8 | 17 | 0.607 | Arjun, ajuddin | | | | | | |
| | | 18 | 1.901 | Mahesh kumari, kamlesh, khilan | | | | | | |
| | | 19 | 1.165 | Chhalone, gendarani | | | | | | |
| Khajuriya | GP5 | 1204 | 0.989 | Ramgopal, kallu | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | | 1194 | 3.554 | Jagannath, swami prasad, tor singh, malikhan | | | | | | |
| | | 1205 | 3.212 | Sovran, prithvi, prembai | | | | | | |
| | | 1193 | 1.096 | Shriram | | | | | | |
| | | 1192 | 0.02 | nala | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 1191 | 4.14 | Daulat, kalla, shriram, balchandra | | | | | | |
| | GP-6 | 1023 | 0.501 | Dalua | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 |
| | | 1024 | 1.835 | Jagdish, Heera lal | | | | | | |
| | | 1022 | 2.509 | Laxman Kehar | | | | | | |
| | | 1008 | 2.932 | Dallu Ghanshyam | | | | | | |
| | | 1009 | 0.615 | Laxman | | | | | | |
| | | 996 | 0.235 | Rajesh Munni Bai | | | | | | |
| | | 997 | 0.998 | Laxman Acchu | | | | | | |
| | | 978 | | | | | | | | |
| Khajuriya | GP-8 | 1 | 6.778 | Nathuram Kalyan | 80 | 9.14 | 731.20 | 55.29 | 40428.05 | 337 |
| | | 3 | 1.942 | Bharosa Chandrabhan | | | | | | |
| | | 4 | 1.238 | Asharam Ladle | | | | | | |
| | | 8 | 2.976 | Nathu ram Dhamma | | | | | | |
| | | 10 | 3.069 | Kalyan | | | | | | |
| | | 11 | 1.344 | Arjun Gokul | | | | | | |
| | | 12 | 3.573 | Khem Chand | | | | | | |

**MWS : Teela-II 2C2D2d2e**

**Plan Estimate :: GP: Andela** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Andela | GP-7 | 13 | 1.732 | Shivraj singh, parmal singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 14 | 0.049 | Hukum singh | | | | | | | |
| | | 15 | 0.494 | Jagbhan singh | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 16 | 0.466 | Jrijbhan | | | | | | | |
| | | 17 | 0.405 | Sukhpal singh | | | | | | | |
| | | 18 | 1.137 | Jagbhan singh | | | | | | | |
| | | 108 | 1.67 | Jagbhan singh | | | | | | | |
| | GP-5 | 107 | 1.776 | Brijlal | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 161 | 0.684 | Brijlal | | | | | | | |
| | | 162 | 0.425 | Ishwardas | | | | | | | |
| | | 111 | 1.518 | Tiju | | | | | | | |
| | | 110 | 0.967 | Sakat singh | | | | | | | |
| | GP-8 | 23 | 0.261 | Banjar rajya sarkar | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 22 | 0.271 | Punu | | | | | | | |
| | | 24 | 0.121 | Banjar rajya sarkar | | | | | | | |
| | | 16 | 0.979 | Sadua | | | | | | | |
| | | 25 | 0.065 | Tiju | | | | | | | |
| | | 26 | 2.464 | Laxman singh | | | | | | | |

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contribution |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Andela | CD-6 | 540 | 1.197 | Imrat singh | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 552 | 0.113 | Tunda | | | | | | | |
| | | 572 | 0.91 | Kashiram | | | | | | | |
| | | 574 | 1.328 | Lakhan singh | | | | | | | |
| | | 521 | 0.198 | Prabhudayal | | | | | | | |
| Andela | CD-10 | 461 | 1.23 | Phoolsingh | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 462 | 0.339 | dalua | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 463 | 0.885 | Ummed singh | | | | | | | |
| | | 464 | 0.154 | Jgbhan singh | | | | | | | |
| | | 606 | 0.972 | Raoraja | | | | | | | |
| Andela | CD-9 | 508 | 0.17 | Ram Raja | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 509 | 0.202 | Ram Raja | | | | | | | |
| | | 510 | 0.154 | Ram Raja | | | | | | | |
| | | 511 | 0.485 | Ram Raja | | | | | | | |
| | | 501 | 0.145 | Ram Raja | | | | | | | |
| | | 506 | 0.202 | Ram Raja | | | | | | | |
| | | 588 | 0.182 | Pancham Singh | | | | | | | |
| Andela | CD-5 | 544 | 0.89 | Khushi Ram | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 545 | 0.504 | Ganesh | | | | | | | |
| | | 547 | 1.06 | Smt. Anandiya | | | | | | | |
| | | 548 | 0.793 | Tunda | | | | | | | |
| | | 549 | 1.222 | Ralli | | | | | | | |

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Andela | WHB-2 | 658 | 0.332 | Dongrawali | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | 674 | 1.363 | Hardas | | | | | | | |
| | | 675 | 0.061 | Tulsi | | | | | | | |
| | | 680 | 0.787 | Banjar | | | | | | | |
| Andela | WHB-6 | 616 | 0.3 | Lakhan Singh | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 3706 |
| | | 617 | 0.263 | Harpal Singh | | | | | | | |
| | | 618 | 0.736 | Smt. Kalpana Raja | | | | | | | |
| | | 511 | 0.485 | Ram Raja | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 454 | 0.494 | Roshan Singh | | | | | | | |

**Plan Estimate :: GP: Mainwar** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Mainwar | GP-2 | 273 | 3.221 | Tej singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 275 | 1.049 | Devendra singh | | | | | | | |
| | | 246 | 1.214 | Dheeraj | | | | | | | |
| | | 245 | 0.344 | Dheeraj | | | | | | | |
| | | 192 | 2.74 | Trilok singh | | | | | | | |
| | GP-1 | 162 | 0.971 | Preetam singh | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 161 | 1.335 | karansingh | | | | | | | |
| | | 128 | 2.104 | vinod singh | | | | | | | |
| | | 129 | 0.64 | ujagar singh | | | | | | | |
| | | 117 | 1.016 | Dhooran | | | | | | | |
| Mainwar | GP-6 | 83 | 0.968 | Moti | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 84 | 0.502 | Natthusingh | | | | | | | |
| | | 85 | 0.441 | Lakhan | | | | | | | |
| | | 86 | 4.01 | Prakash | | | | | | | |
| | | 60 | 0.445 | Banjar | | | | | | | |
| | | 91 | 5.458 | Kailash | | | | | | | |
| Mainwar | CD-1 | 429 | 0.235 | Sushila devi | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 431 | 1.023 | Banjar | | | | | | | |
| | | 278 | 0.475 | Arjun singh | | | | | | | |
| | | 281 | 0.267 | amar singh | | | | | | | |
| | | 277 | 0.809 | Ashok kumar | | | | | | | |
| Mainwar | CD-2 | 423 | 14.512 | Kunji | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 301 | 1.125 | Kanchhedi | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 302 | 2.137 | Kailash | | | | | | | |
| | | 309 | 0.368 | Pooran | | | | | | | |
| | | 307 | 0.081 | Rajaram kushwaha | | | | | | | |
| Mainwar | CD-3 | 320 | 0.393 | Banjar | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 328 | 0.121 | omkar singh | | | | | | | |
| | | 329 | 0.263 | kunjilal | | | | | | | |
| | | 311 | 0.587 | Banjar | | | | | | | |
| | | 333 | 0.121 | Shyam lal | | | | | | | |
| Mainwar | GP-4 | 2 | 3.427 | Bharat | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 3 | 0.506 | Kallu | | | | | | | |
| | | 34 | 0.409 | Jasrath | | | | | | | |
| | | 35 | 0.648 | Tulasiya | | | | | | | |
| | | 52 | 3.319 | Suresh | | | | | | | |
| Mainwar | WHB-5 | 8 | 1.263 | Dalua | 120 | 12.88 | 1545.60 | 55.29 | 85456.22 | 712 | 6062 |
| | | 9 | 1.566 | ShyamLal | | | | | | | |
| | | 10 | 0.619 | Dalua | | | | | | | |
| | | 13 | 0.539 | Kishorilal | | | | | | | |
| Mainwar | WHB-3 | 52 | 3.319 | Jagdish | 120 | 12.88 | 1545.60 | 55.29 | 85456.22 | 712 | 6062 |
| | | 53 | 0.458 | Mohan | | | | | | | |
| | | 55 | 0.591 | Shiv Dayal | | | | | | | |
| | . | 54 | 0.687 | Moti | | | | | | | |
| Mainwar | WHB-1 | 113 | 6.333 | Raghvendra Singh | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | 108 | 1.052 | Nirpat | | | | | | | |
| | | 109 | 0.805 | Nirpat | | | | | | | |
| | | 116 | 0.99 | Dharam | | | | | | | |

**Plan Estimate :: GP: Birdha** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Birdha | CD-4 | 804 | 1.602 | Kudau | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 811 | 1.211 | Ram singh | | | | | | | |
| | | 820 | 0.162 | Nandlal | | | | | | | |
| | | 816 | 1.314 | Moti | | | | | | | |
| | | 819 | 0.316 | Nala | | | | | | | |
| | | 832 | 3.014 | Hardas | | | | | | | |

## Pucca Work

| S.N. | Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Length | CS (area) | | | | | |
| | | WHB-1 | | | | | | | | 2.25 | | |
| | | WHB-2 | | | | | | | | 2.25 | | |
| | | WHB-3 | | | | | | | | 2.25 | | |
| | | WHB-6 | | | | | | | | 2.25 | | |
| | | CD-6 | | | | | | | | 1.70 | | |
| | | CD-10 | | | | | | | | 1.70 | | |
| | | CD-4 | | | | | | | | 1.70 | | |
| | | CD-5 | | | | | | | | 0.90 | | |
| | | CD-10 | | | | | | | | 0.90 | | |
| | | **Total** | | | | | | | | **15.90** | | |

**MWS : Singepur-I 2C2D2d2h**

**Plan Estimate :: GP: Kalothra** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Kalothra | GP-1 | 695 | 0.128 | shrimati chironjibai | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 6062 |
| | | 288 | 1.934 | gokul, kudai, bachchu | | | | | | | |
| | | 289 | 1.215 | gulab, bhairav | | | | | | | |
| | GP-3 | 1051 | 0.575 | brijlal, hardas | 130 | 9.14 | 1188.20 | 55.29 | 65695.58 | 547 | 6062 |
| | | 328 | 0.753 | maunlal,. Jayram | | | | | | | |
| | | 526 | 0.493 | roopchandra, chaturbhuj, chandu | | | | | | | |
| | | 527 | 0.158 | roopchandra, chandu | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

**Plan Estimate :: GP: Singepur** Block Birdh Distt. Lalitpur

| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| singepur | GP-2 | 284 | 3.934 | janki, barelal, hanumant singh | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 6062 |
| | | 222 | 1.133 | mullibai | | | | | | | |
| | GP-5 | 165 | 2.289 | ghanshyam, gulab, dayaram | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 112 | 0.04 | ramdayal | | | | | | | |
| | GP-6 | 150 | 4.871 | keshavdas, hariram, guman | 120 | 9.14 | 1096.80 | 55.29 | 60642.07 | 505 | 6062 |
| | | 319 | 1.125 | keshav, daulat, chhotelal | | | | | | | |
| | | 134 | 1.866 | chandu, harnarayan, hariram | 100 | 9.14 | 914.00 | 55.29 | 50535.06 | 421 | 6062 |
| | GP-4 | 1029 | 0.239 | gramsabha | | | | | | | |
| | | 1031 | 0.579 | babudas | | | | | | | |
| | | 1036 | 4.08 | ratna, gorelal, harju | | | | | | | |
| | | 1027 | 1.469 | kishora | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1028 | 3.657 | kailash, sujan singh | | | | | | | |
| | CD-1 | 681 | 0.672 | lachhuva, shrimati gendarani | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | 717 | 0.625 | badi dulaiya, gariba, chaturbhuj, munna | | | | | | | |
| | | 718 | 0.162 | balkishan, shobharam | | | | | | | |
| | CD-2 | 290 | 4.496 | rajesh, roopchandra, kanchhedi | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | 623 | 0.032 | pooran | | | | | | | |
| | | 288 | 1.934 | gokul, kudau, bachchu | | | | | | | |
| | CD-3 | 681 | 0.672 | lachhuva, shrimati gendarani | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | 687 | 0.21 | munna | | | | | | | |
| | CD-4 | 662 | 0.263 | shrimati garaibahu, kanchhedi, chhittu | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 687 | 0.21 | sunna | | | | | | | |
| | CD-9 | 238 | 2.529 | bachchulal, sukhnandan | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | 269 | 0.648 | sumran | | | | | | | |
| | | 237 | 2.603 | santosh, gajra, natthu, | | | | | | | |
| | | | | mangole, imrat, shrimati rajbai | | | | | | | |
| | CD-10 | 288 | 1.934 | gokul, kudai, bachchu | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 252 | 8.033 | bhajju, rampratap, ramsahay, dharmu | | | | | | | |
| | CD-11 | 255 | 1.893 | bhuwani singh, mangole, ramcharan | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | CD-12 | 286 | 0.417 | janki | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 285 | 8.031 | ramratan, pramod, halka, jandail singh | | | | | | | |
| | CD-13 | 217 | 1.153 | mullibai | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | 231 | 1.396 | halku narayan, harnarayan | | | | | | | |
| | | 232 | 0.607 | halku mahadev prasad, samadhar | | | | | | | |
| | | 233 | 4.774 | pramod, gorelal | | | | | | | |
| | CD-14 | 215 | 10.936 | gyaprasad, khemchandra, rameshwar | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 230 | 14.799 | harlal, gyaprasad, halku | | | | | | | |
| | | 207 | 0.405 | sabdal | | | | | | | |
| | | 233 | 4.774 | pramod, gorelal, laxman | | | | | | | |
| | CD-16 | 186 | 1.352 | bhagona, ramdhar | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 252 | 3.727 | bhajju, bhuna, rampratap, dharmu | | | | | | | |
| | CD-17 | 188 | 1.132 | bhagona | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | 253 | 4.149 | kadora, shrimati jugasiya, kanchhedi | | | | | | | |
| | CD-18 | 253 | 6.721 | jaanki, chhamadhar, bhajju, kamla | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 128 | 0.101 | chaoode | | | | | | | |
| | CD-19 | 298 | 0.49 | gulab, bhairav, jagannath | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | 170 | 0.93 | janki, govinddas | | | | | | | |
| | | 177 | 2.117 | kudai, jagannath, janki | | | | | | | |
| | CD-20 | 102 | 2.214 | manuva, harnarayan, roopchandra | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | | 163 | 1.946 | birju, janki, govinddas, mulu | | | | | | | |
| | CD-21 | 319 | 1.125 | keshav, daulat, chhotelal | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 150 | 4.871 | keshavdas, hariram, himmat, chippa | | | | | | | |
| | | 301 | 1.295 | jandail singh, kalyan, mohan | | | | | | | |
| | | 315 | 0.935 | ramadhar | | | | | | | |
| | | 332 | 0.445 | chandrabhan | | | | | | | |
| | CD-5 | 1041 | | | 100 | 11.76 | 1176.00 | 57.54 | 67667.04 | 564 | 3383 |
| | CD-6 | 227 | 2.372 | bhaboodi, shaindrapal, raghuraj | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 29 | 2.364 | harprasad, seetaram | | | | | | | |
| | CD-7 | 228 | 10.045 | kashiram, kailash, mahaveer | 80 | 11.76 | 940.80 | 57.54 | 54133.63 | 451 | 2707 |
| | | 27 | 0.194 | lakhan | | | | | | | |
| | | 25 | 4.621 | komal, jagbhan, jagannath, raja bhaiya | | | | | | | |
| | CD-8 | 238 | 2.529 | bachchulal, sukhnandan | 90 | 11.76 | 1058.40 | 57.54 | 60900.34 | 508 | 3045 |
| | | 87 | 0.591 | gramsabha | | | | | | | |
| | WHB-1 | 439 | 2.243 | jandail singh | 120 | 12.88 | 1545.60 | 57.54 | 88933.82 | 741 | 4447 |
| | | 384 | 0.344 | shriram | | | | | | | |
| | | 391 | 0.81 | shrimati ramkunwar | | | | | | | |
| | WHB-2 | 396 | 0.323 | pooran singh gram sabha | 100 | 12.88 | 1288.00 | 57.54 | 74111.52 | 618 | 3706 |
| | | 339 | 1.619 | jaadeer singh | | | | | | | |
| | | 427 | 0.097 | halki bai | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 301 | 0.688 | kalyan | | | | | | | |
| | | | | jandail singh | | | | | | | |
| | WHB-4 | 286 | 0.417 | janki | 110 | 12.88 | 1416.80 | 57.54 | 81522.67 | 679 | 4076 |
| | | 290 | 4.589 | rajesh, roopchandra, rajaram, karoda, | | | | | | | |
| | | | | gariba, kanchhedi | | | | | | | |
| | | 285 | 4.674 | ramratan, mansingh, pramod, halka, | | | | | | | |
| | | | | jandail singh | | | | | | | |
| | | 662 | 2.008 | kanchhedi, chhidu, ramprasad, munna, | | | | | | | |
| | | | | darua, vindrawan | | | | | | | |
| | | 176 | 1.295 | jandail singh, ramadhar, mardan singh | | | | | | | |
| | | 301 | 1.196 | jandail singh, kalyan singh, mohan | | | | | | | |
| | | 440 | 1.157 | badi dulaiya, uttam singh, pooran | | | | | | | |

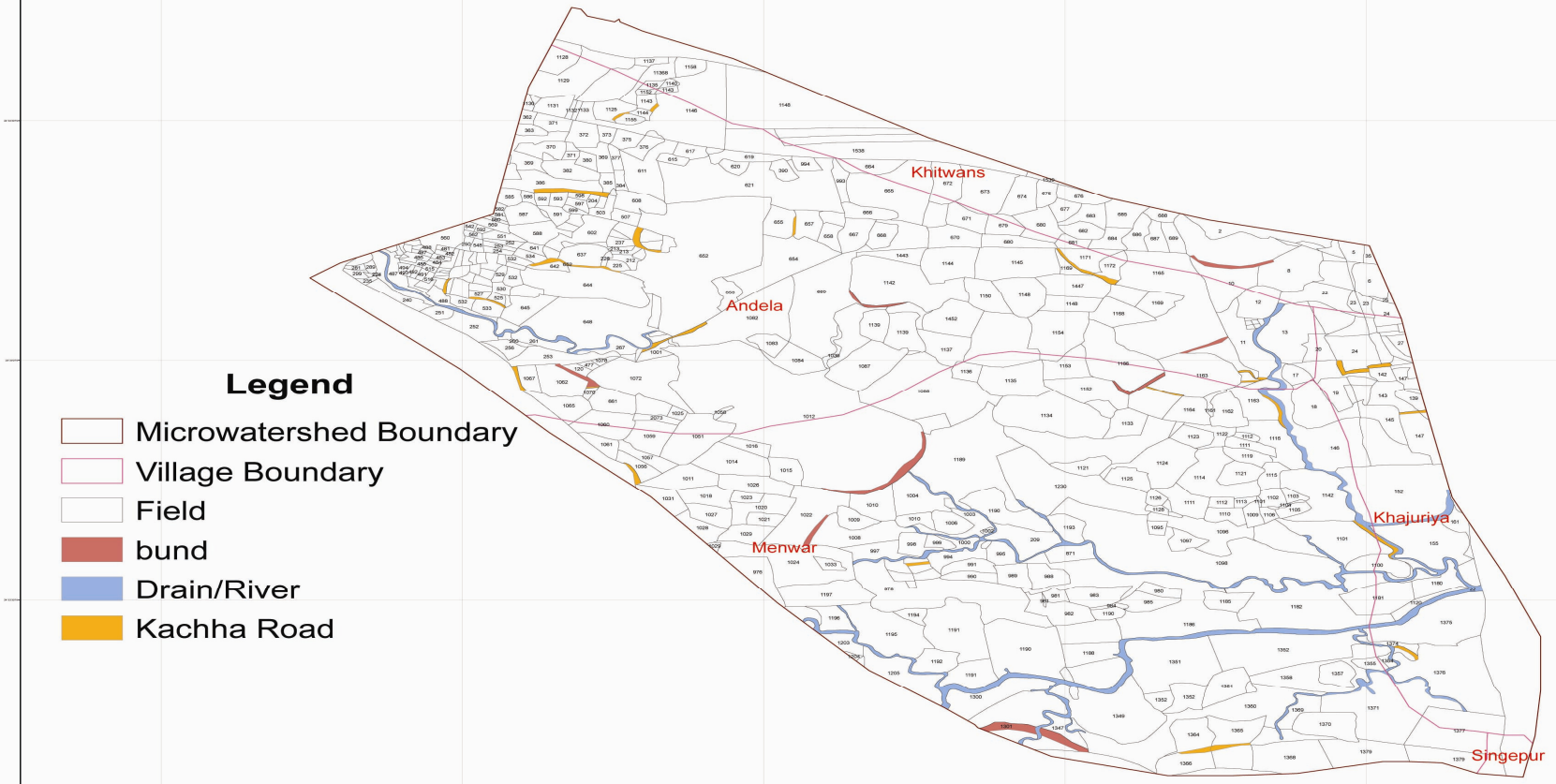
**Pucca Structure :**

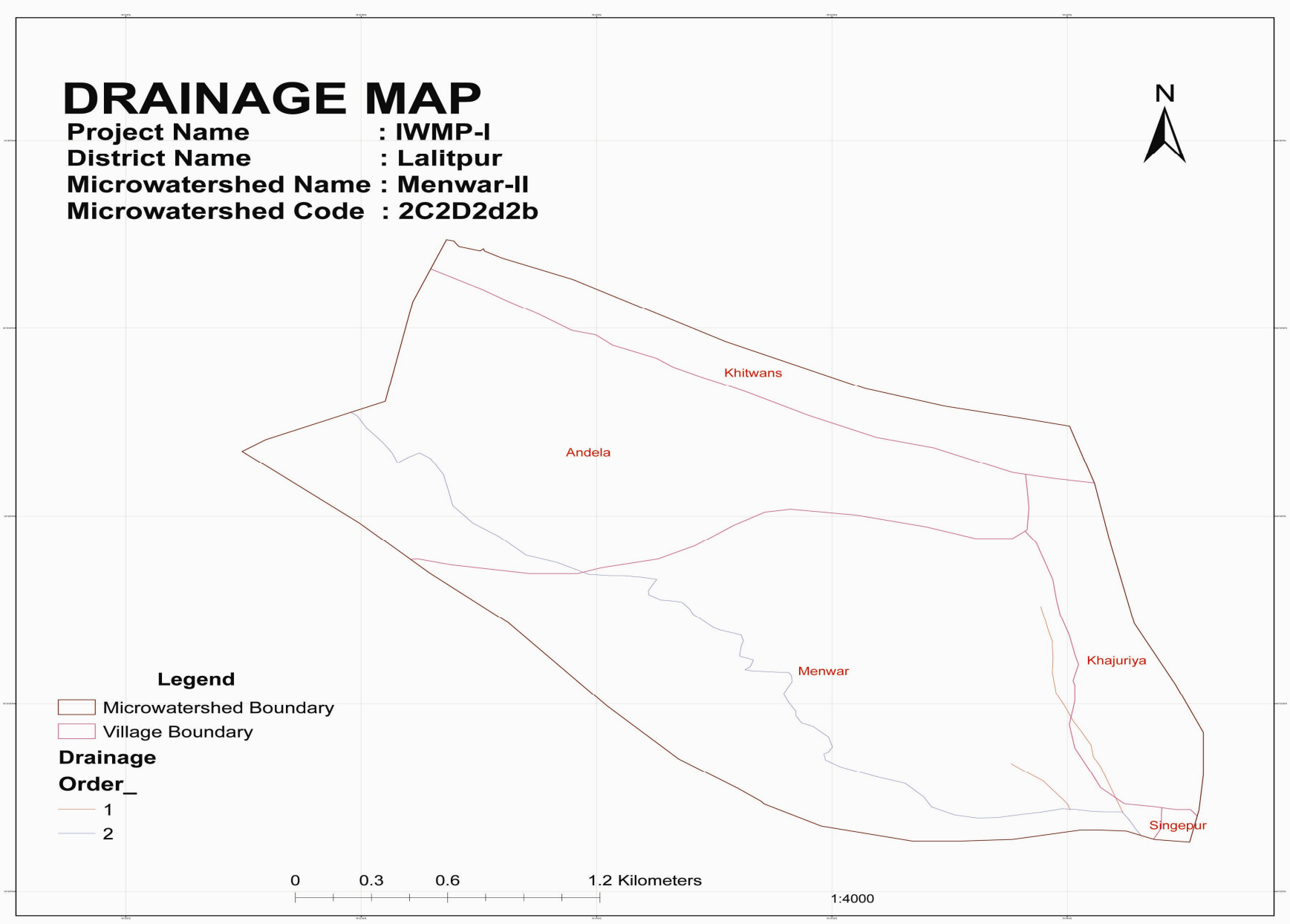
| Gram Panchayat | Name of Work | Field No./Khasra | Area | Farmer Name | Area of work | | Measurement | Rate | Cost | Mandays | Contri |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Length | CS (area) | | | | | |
| Singepur | CD-13 | | | | | | | | 1.70 | | |
| | CD-11 | | | | | | | | 2.25 | | |
| | CD-14 | | | | | | | | 2.25 | | |
| | WHB-1 | | | | | | | | 2.25 | | |
| | WHB-4 | | | | | | | | 2.25 | | |
| | WHB-6 | | | | | | | | 2.25 | | |
| | WHB-5 | | | | | | | | | | |
| | GP-2 | | | | | | | | 0.90 | | |
| Satoura | GP-4 | | | | | | | | 1.25 | | |

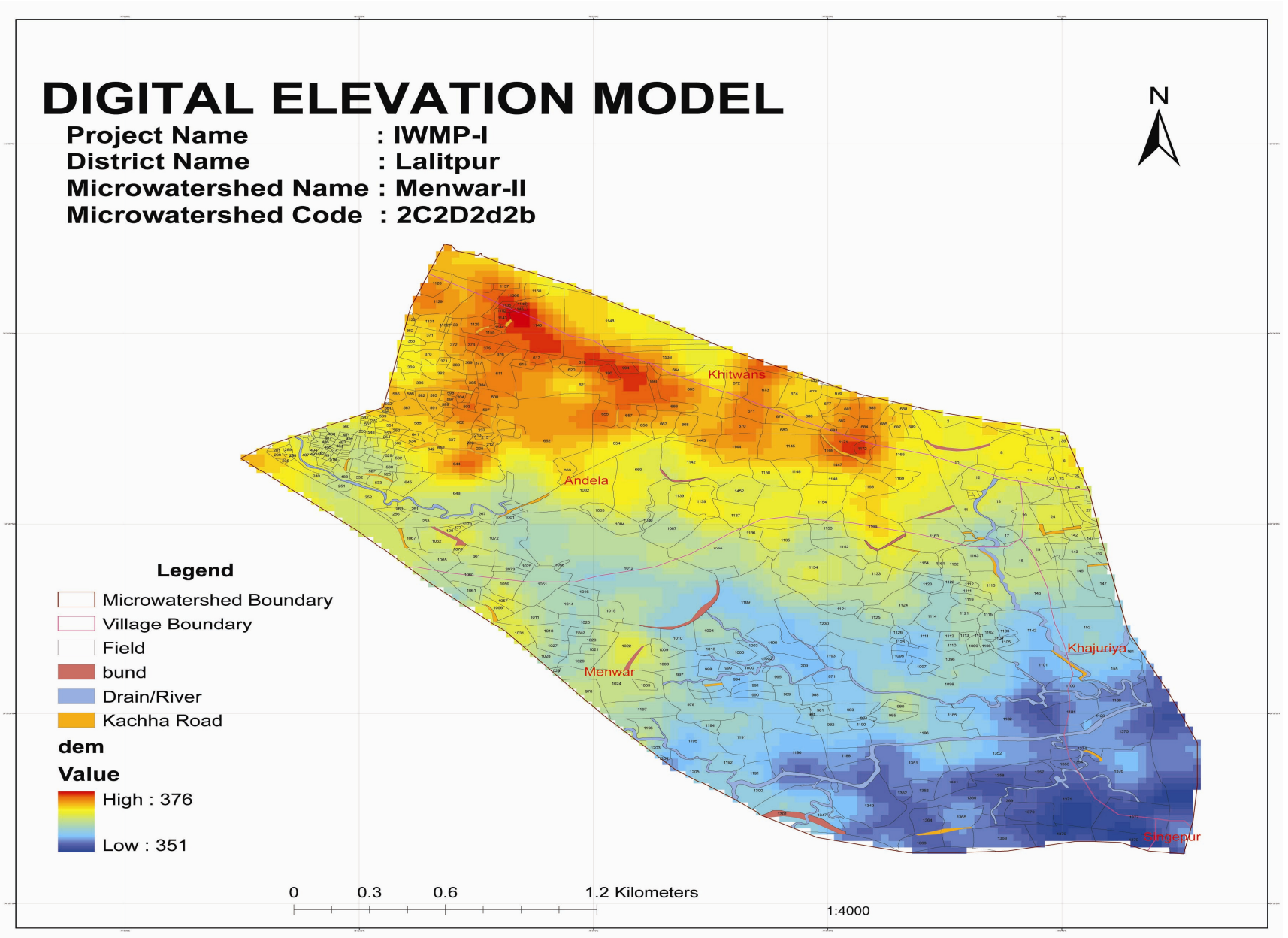
# MAPS

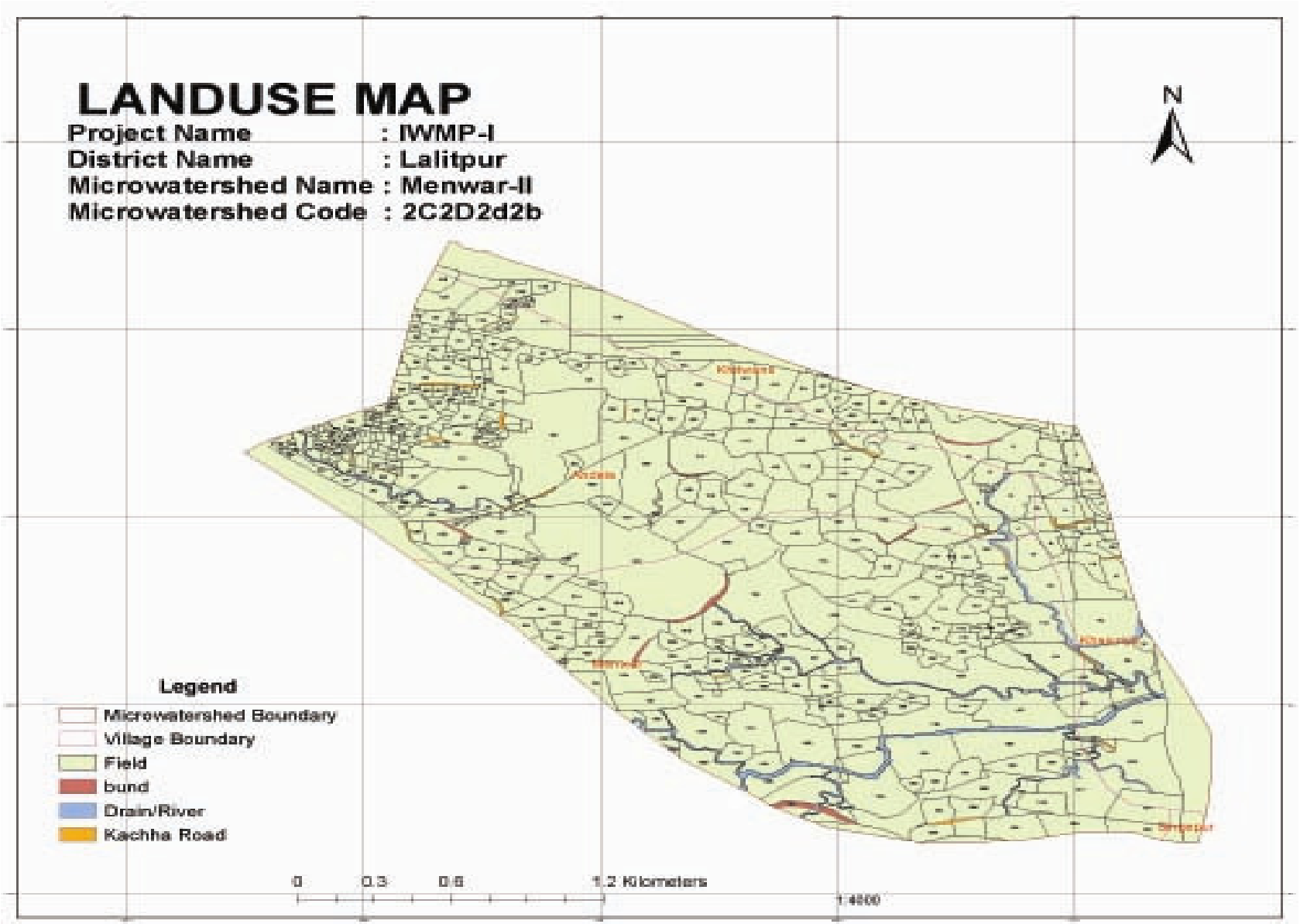
# CADASTRAL MAP

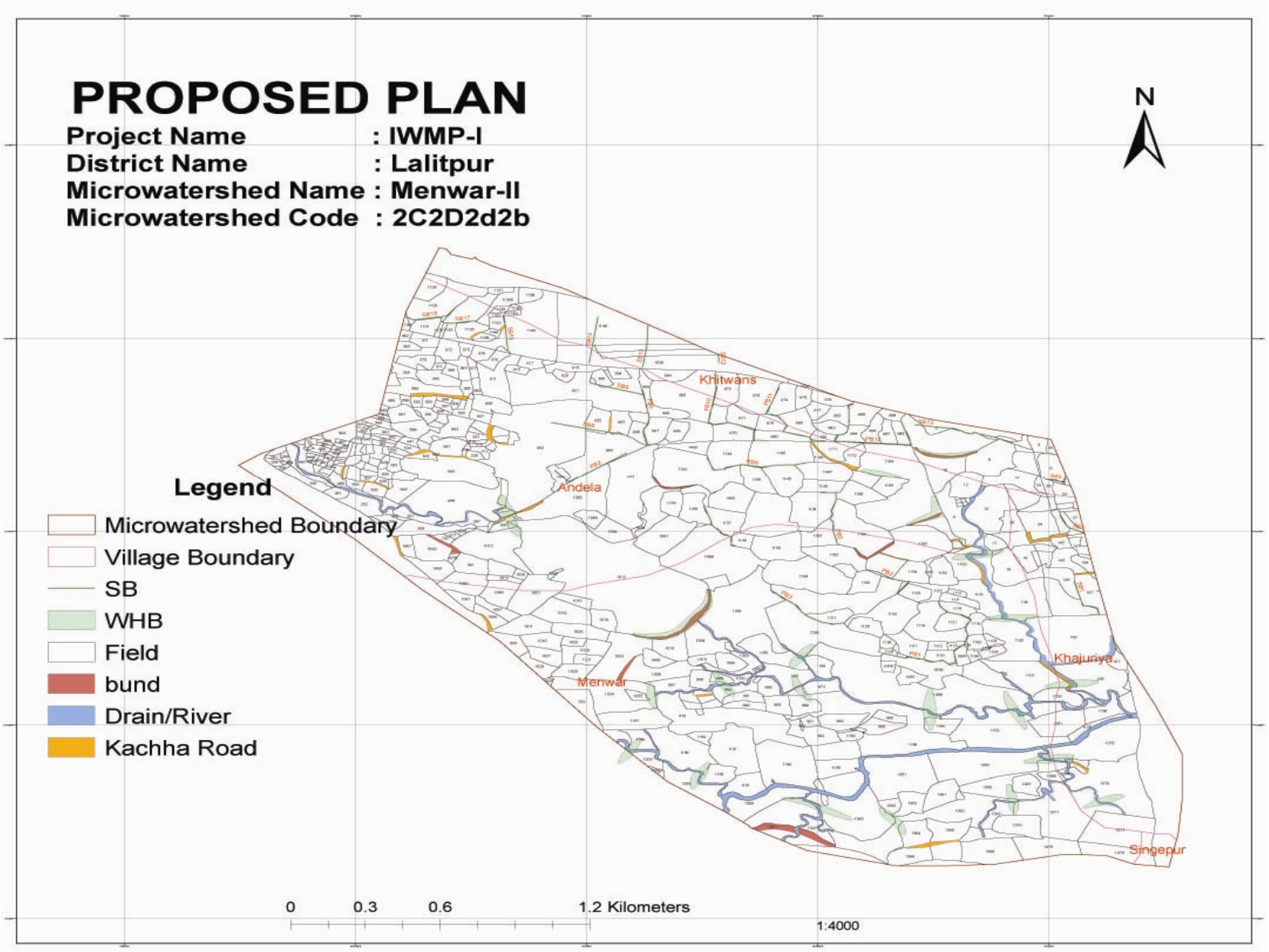
**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Menwar-II**
**Microwatershed Code : 2C2D2d2b**

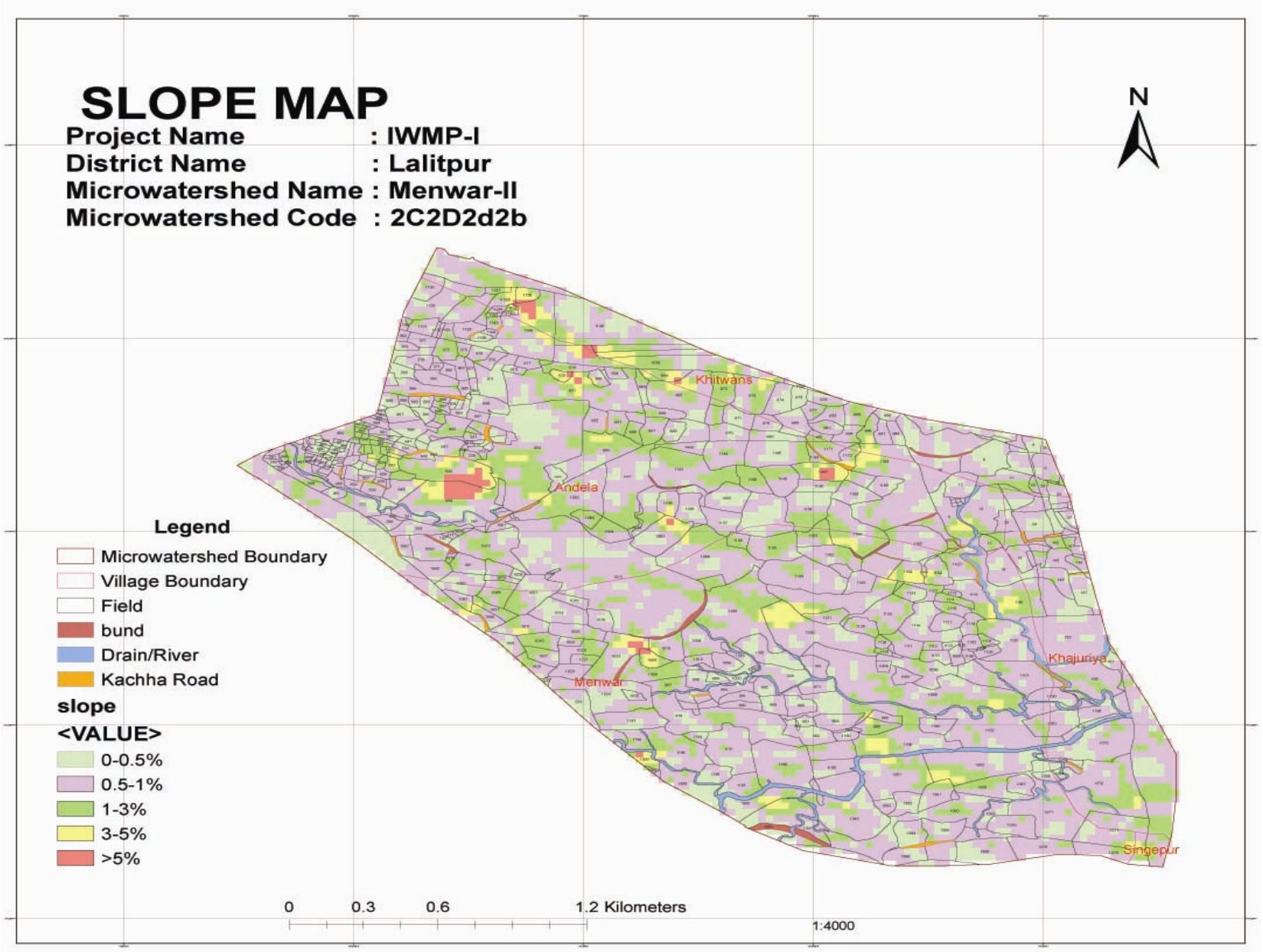


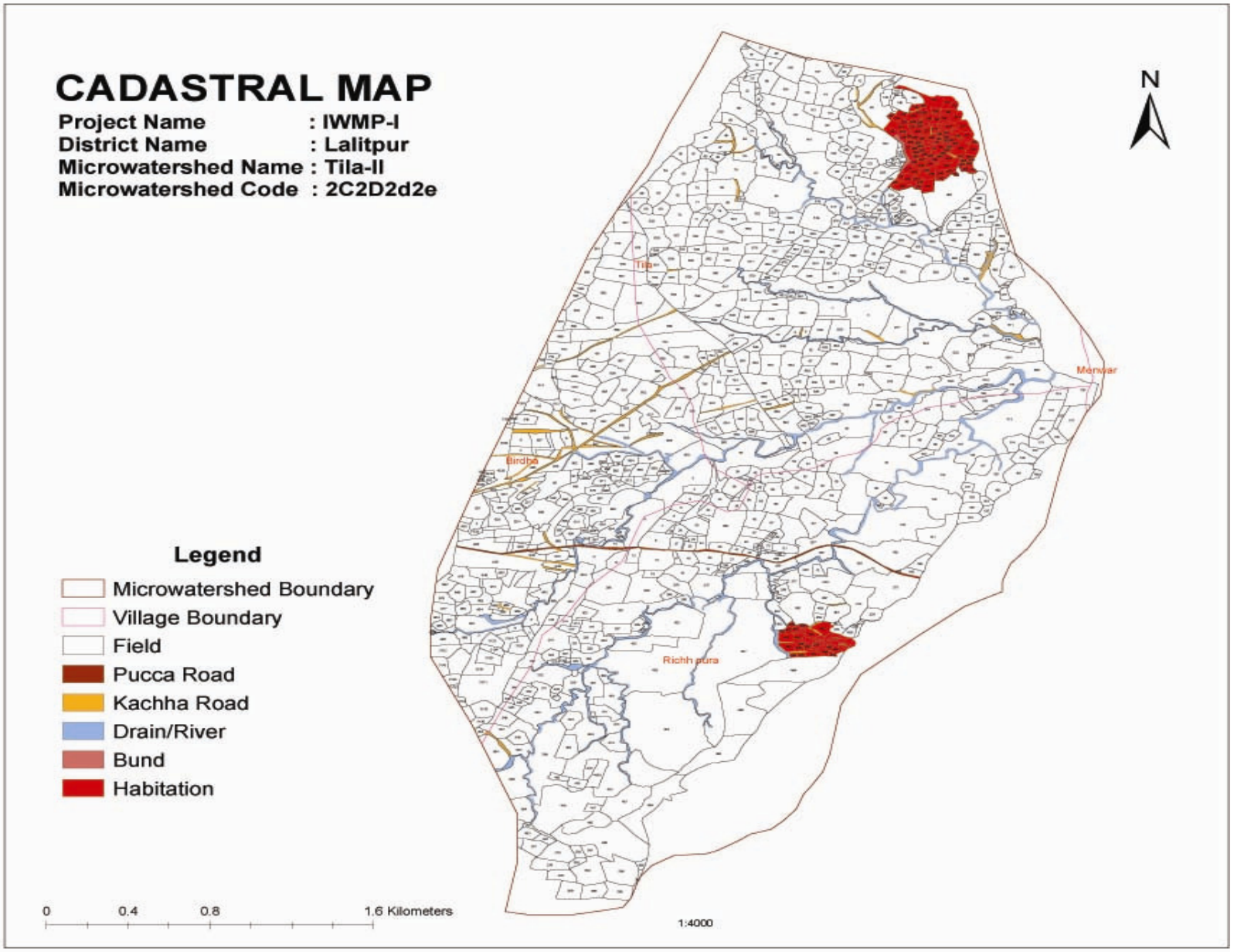

DRAINAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-II
Microwatershed Code : 2C2D2d2b
N
Khitwans
Andela
Menwar
Khajuriya
Singepur
Legend
Microwatershed Boundary
Village Boundary
Drainage
Order_
1
2
0 0.3 0.6 1.2 Kilometers
1:4000

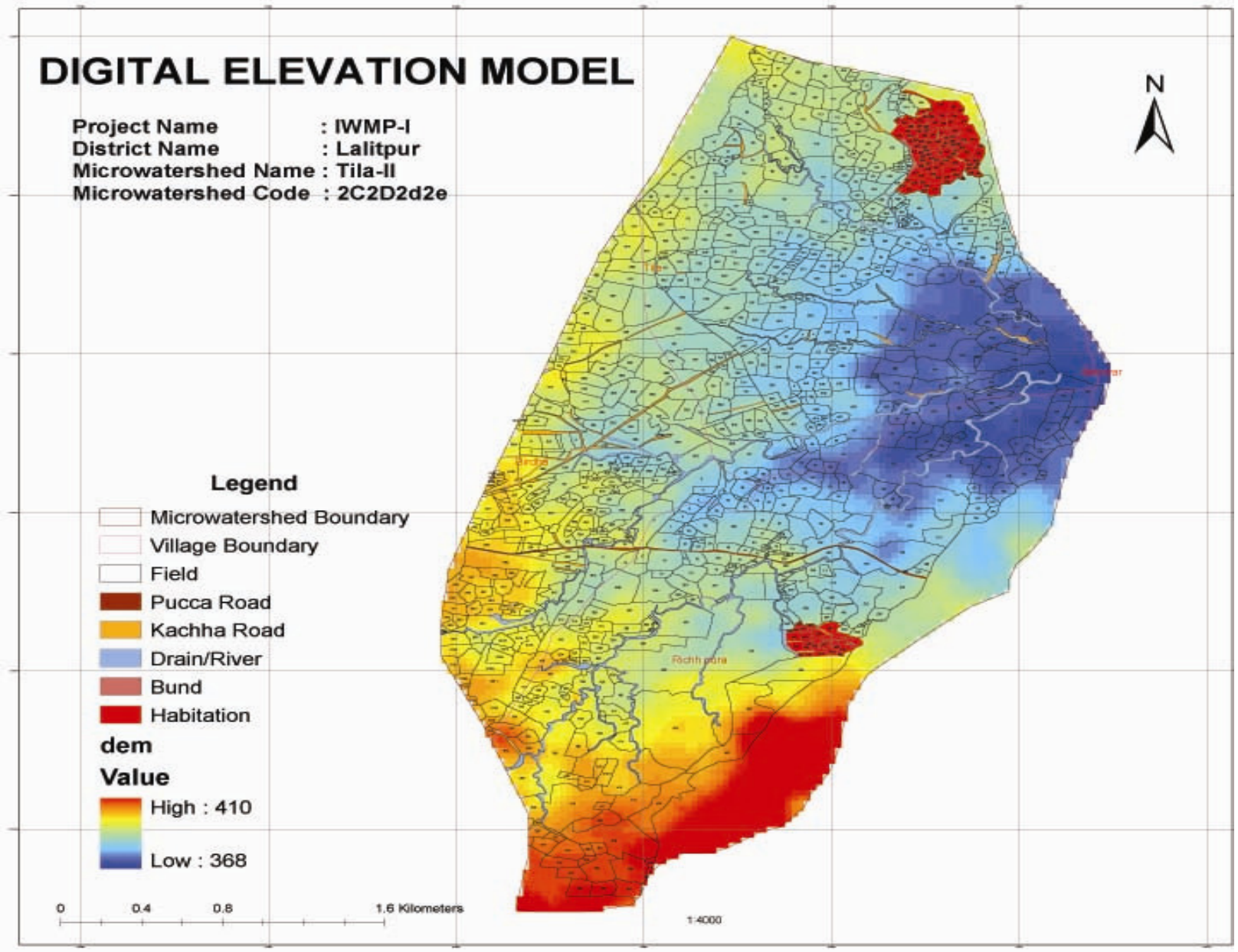

DIGITAL ELEVATION MODEL
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-II
Microwatershed Code : 2C2D2d2b
N
Khitwans
Andela
Menwar
Khajuriya
Singepur
Legend
Microwatershed Boundary
Village Boundary
Field
bund
Drain/River
Kachha Road
dem
Value
High : 376
Low : 351
0 0.3 0.6 1.2 Kilometers
1:4000

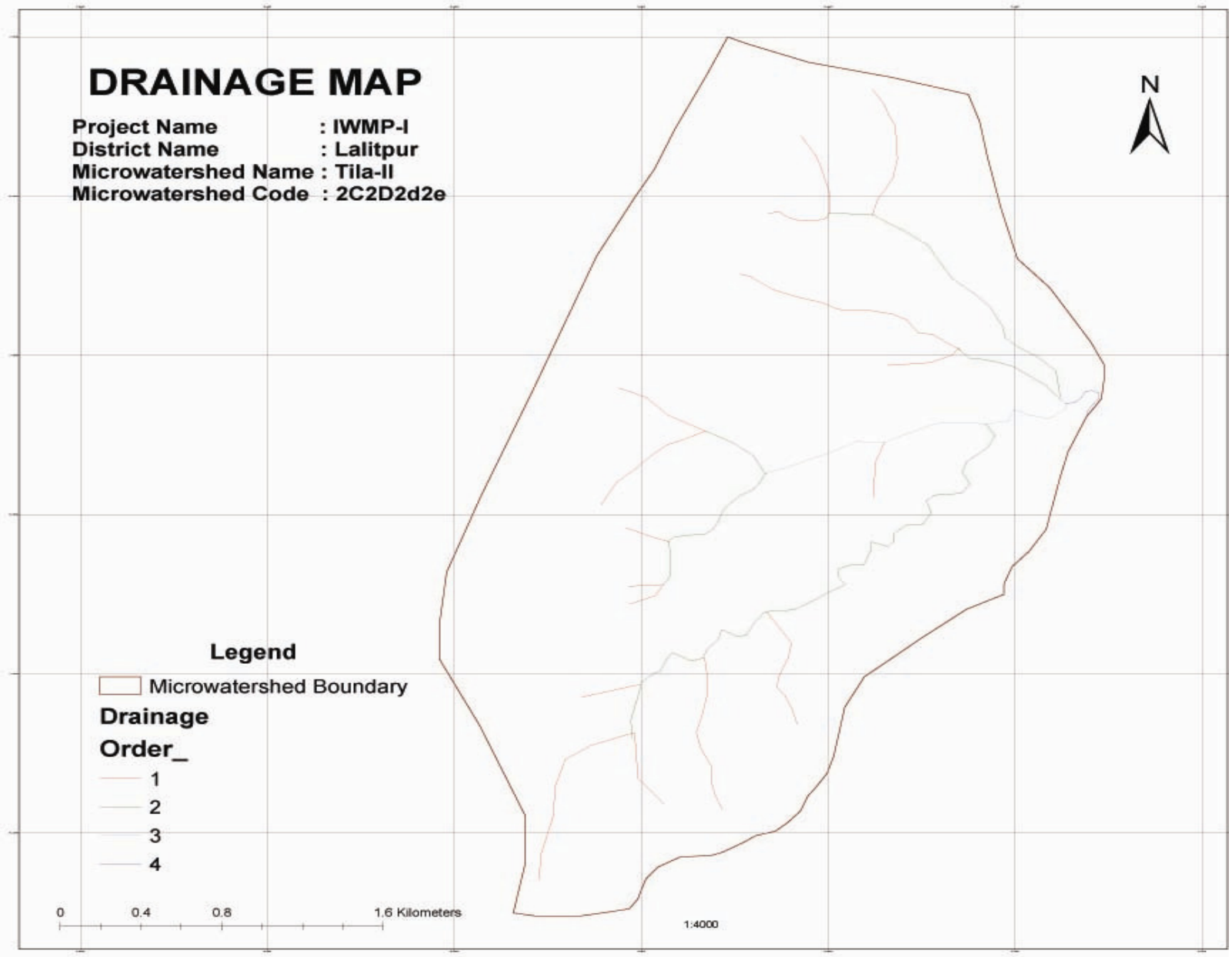

LANDUSE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-II
Microwatershed Code : 2C2D2d2b
N
Legend
Microwatershed Boundary
Village Boundary
Field
bund
Drain/River
Kachha Road
0
0.3
0.6
1.2 Kilometers
1:4800

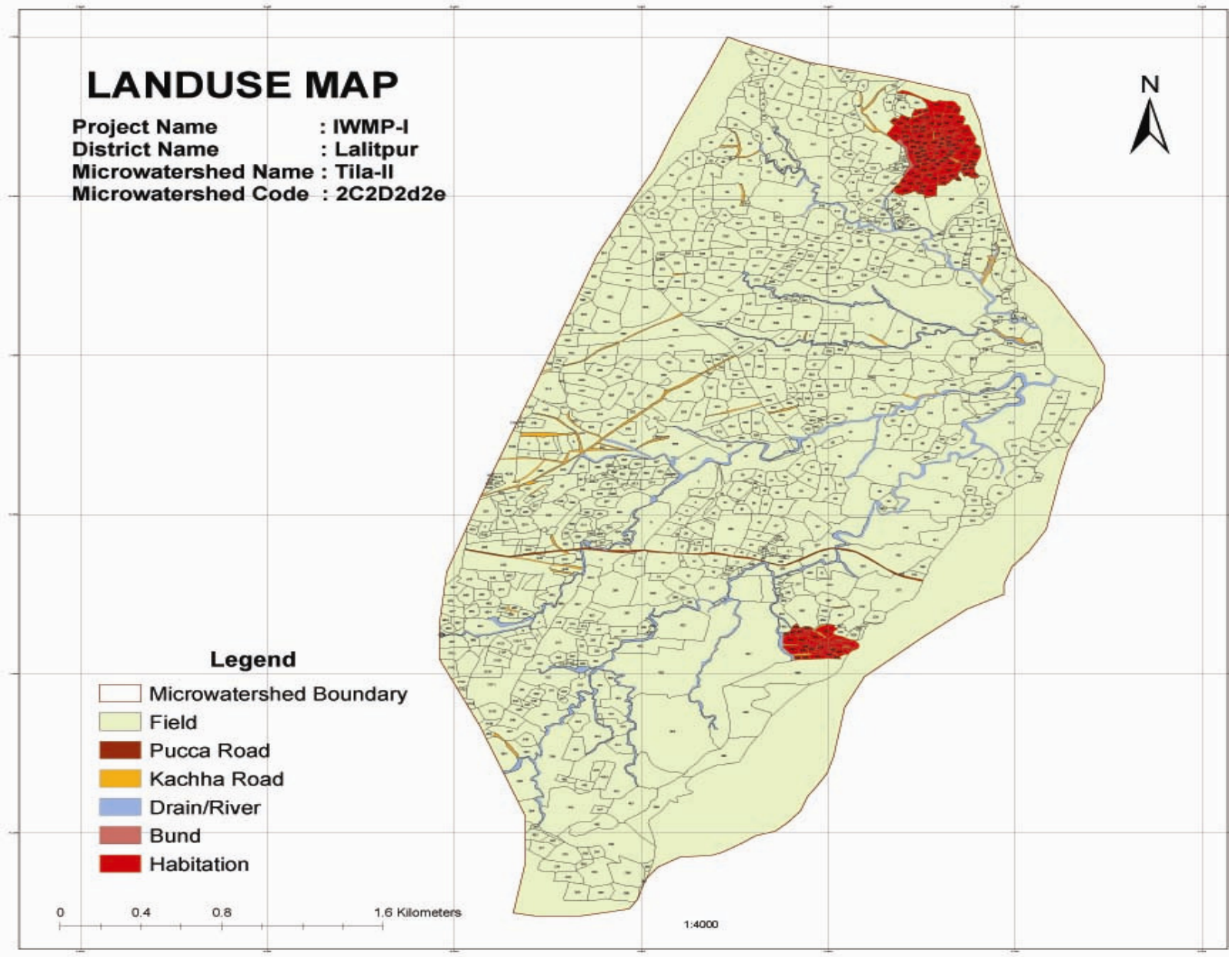

PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-II
Microwatershed Code : 2C2D2d2b
N
Legend
Microwatershed Boundary
Village Boundary
SB
WHB
Field
bund
Drain/River
Kachha Road
Khitwans
Andela
Menwar
Khajuriya
Singepur
0 0.3 0.6 1.2 Kilometers
1:4000

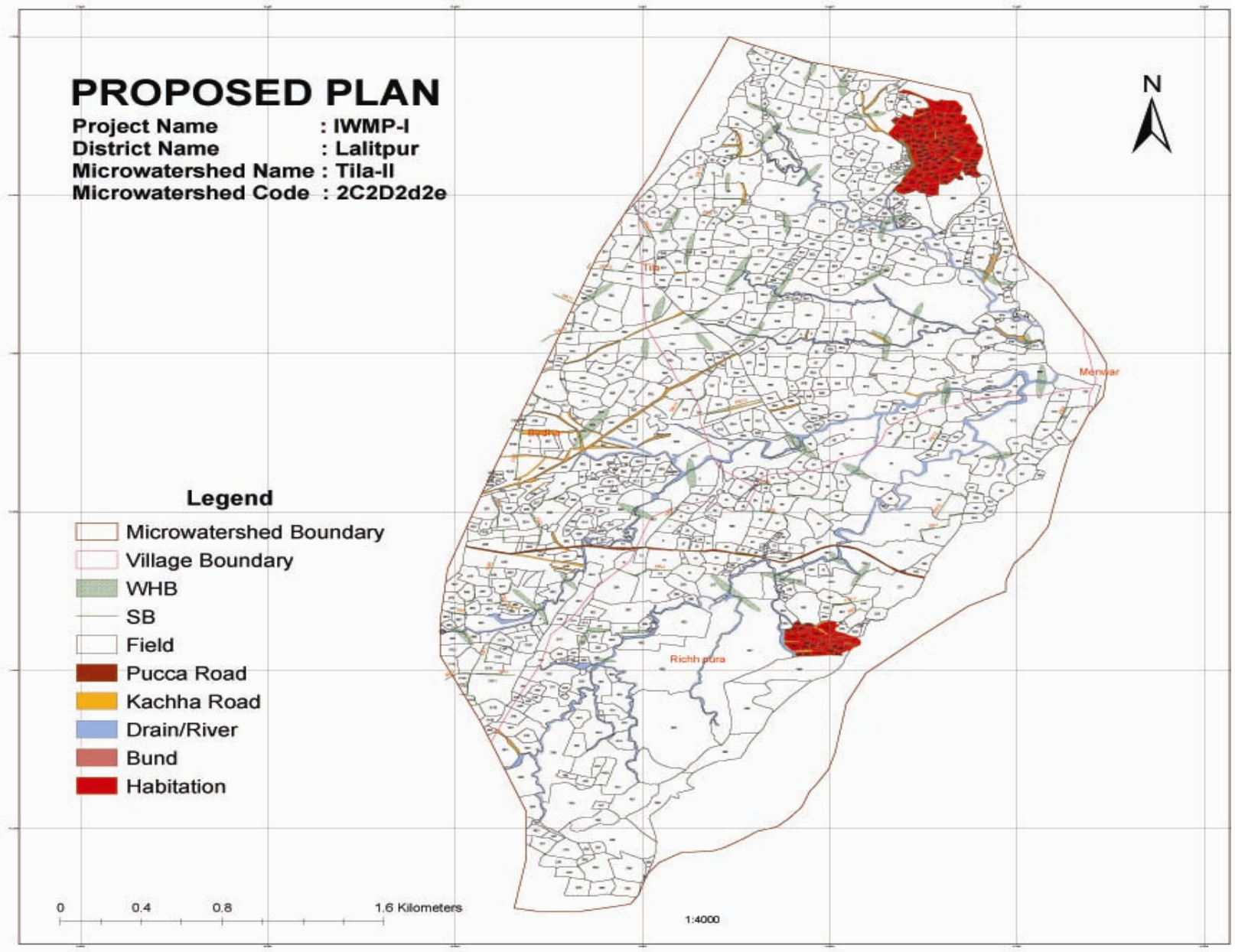

SLOPE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-II
Microwatershed Code : 2C2D2d2b
N
Khitwans
Andela
Menwar
Khajuriya
Singepur
Legend
Microwatershed Boundary
Village Boundary
Field
bund
Drain/River
Kachha Road
slope
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0 0.3 0.6 1.2 Kilometers
1:4000

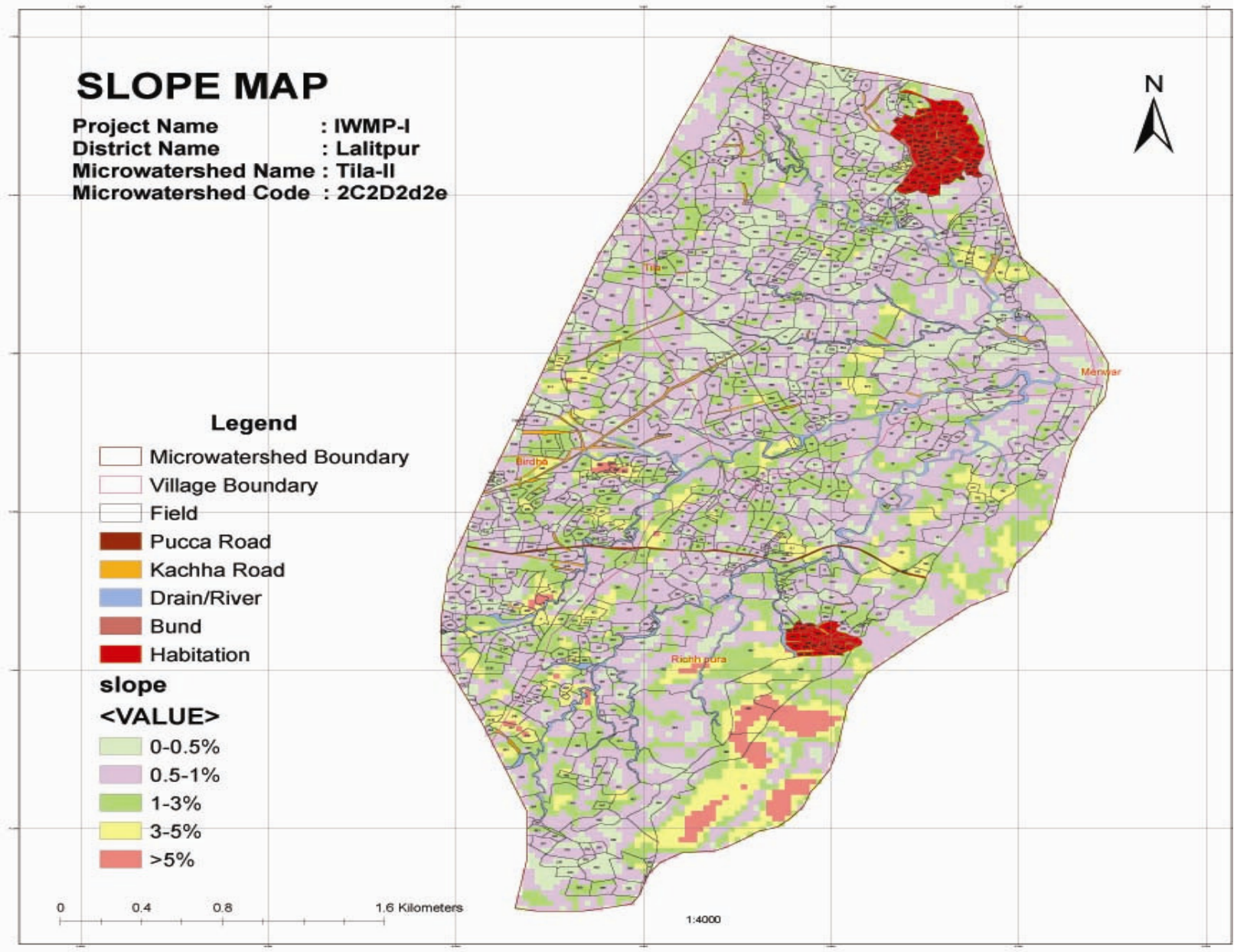

CADASTRAL MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Village Boundary
Field
Pucca Road
Kachha Road
Drain/River
Bund
Habitation
Tila
Birdha
Richh pura
Merwar
0
0.4
0.8
1.6 Kilometers
1:4000


DIGITAL ELEVATION MODEL
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Village Boundary
Field
Pucca Road
Kachha Road
Drain/River
Bund
Habitation
dem
Value
High : 410
Low : 368
0
0.4
0.8
1.6 Kilometers
1:4000


DRAINAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Drainage
Order_
1
2
3
4
0
0.4
0.8
1.6 Kilometers
1:4000

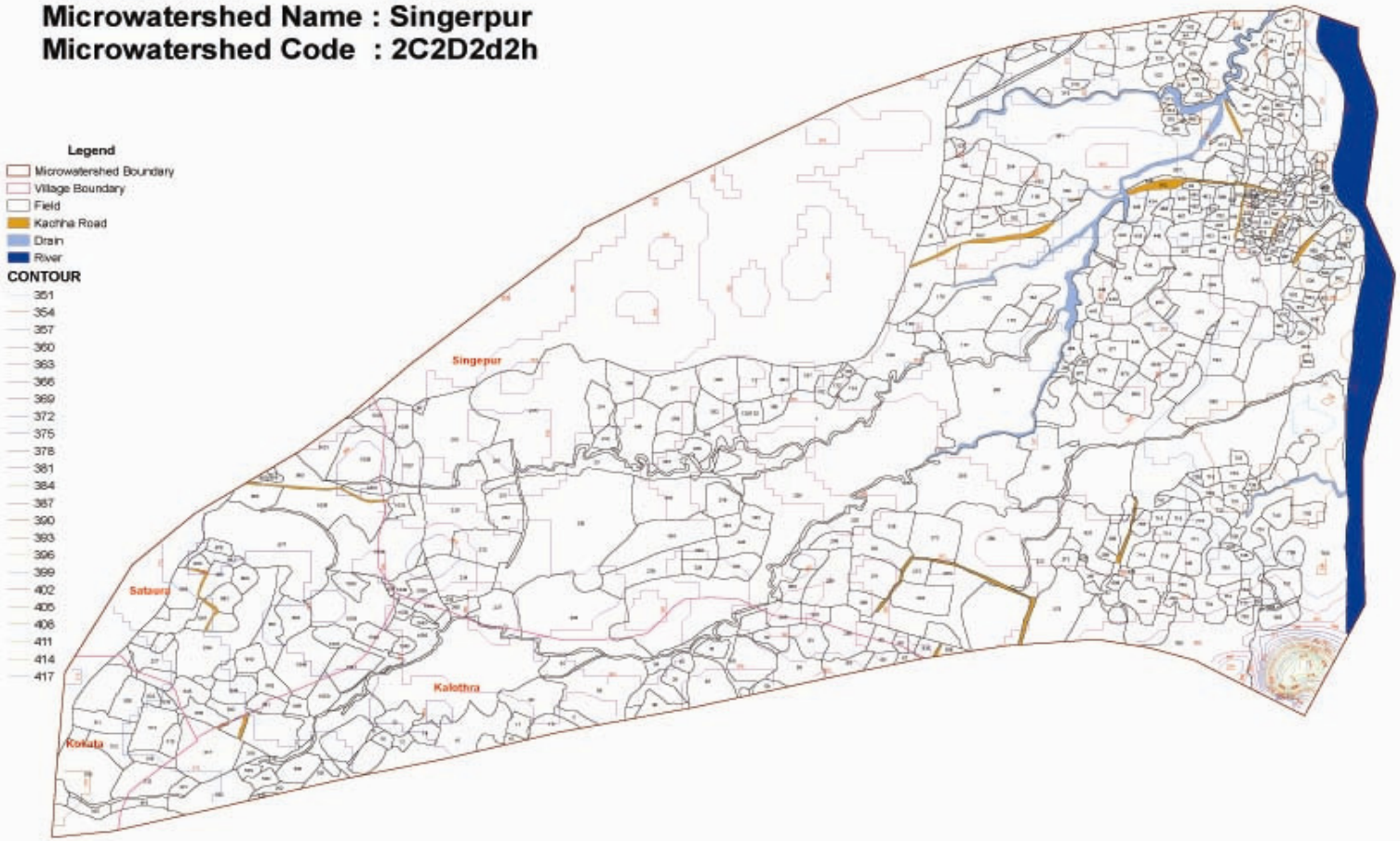

LANDUSE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Field
Pucca Road
Kachha Road
Drain/River
Bund
Habitation
0
0.4
0.8
1.6 Kilometers
1:4000


PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Village Boundary
WHB
SB
Field
Pucca Road
Kachha Road
Drain/River
Bund
Habitation
Tila
Merwar
Richh pura
0
0.4
0.8
1.6 Kilometers
1:4000


SLOPE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-II
Microwatershed Code : 2C2D2d2e
N
Legend
Microwatershed Boundary
Village Boundary
Field
Pucca Road
Kachha Road
Drain/River
Bund
Habitation
slope
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
0
0.4
0.8
1.6 Kilometers
1:4000
Tila
Birdha
Richh pura
Merwar

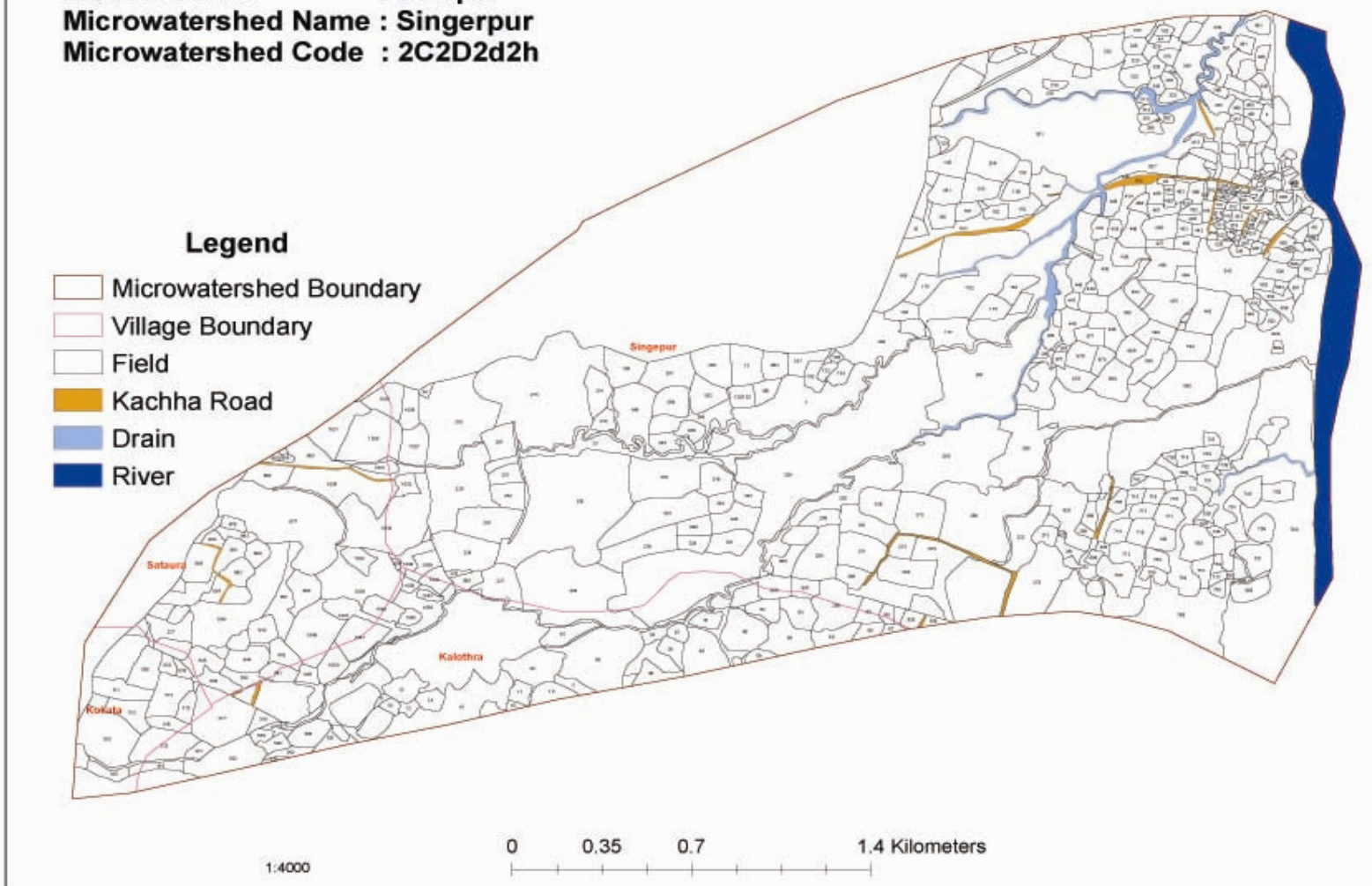
# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Singerpur**
**Microwatershed Code : 2C2D2d2h**



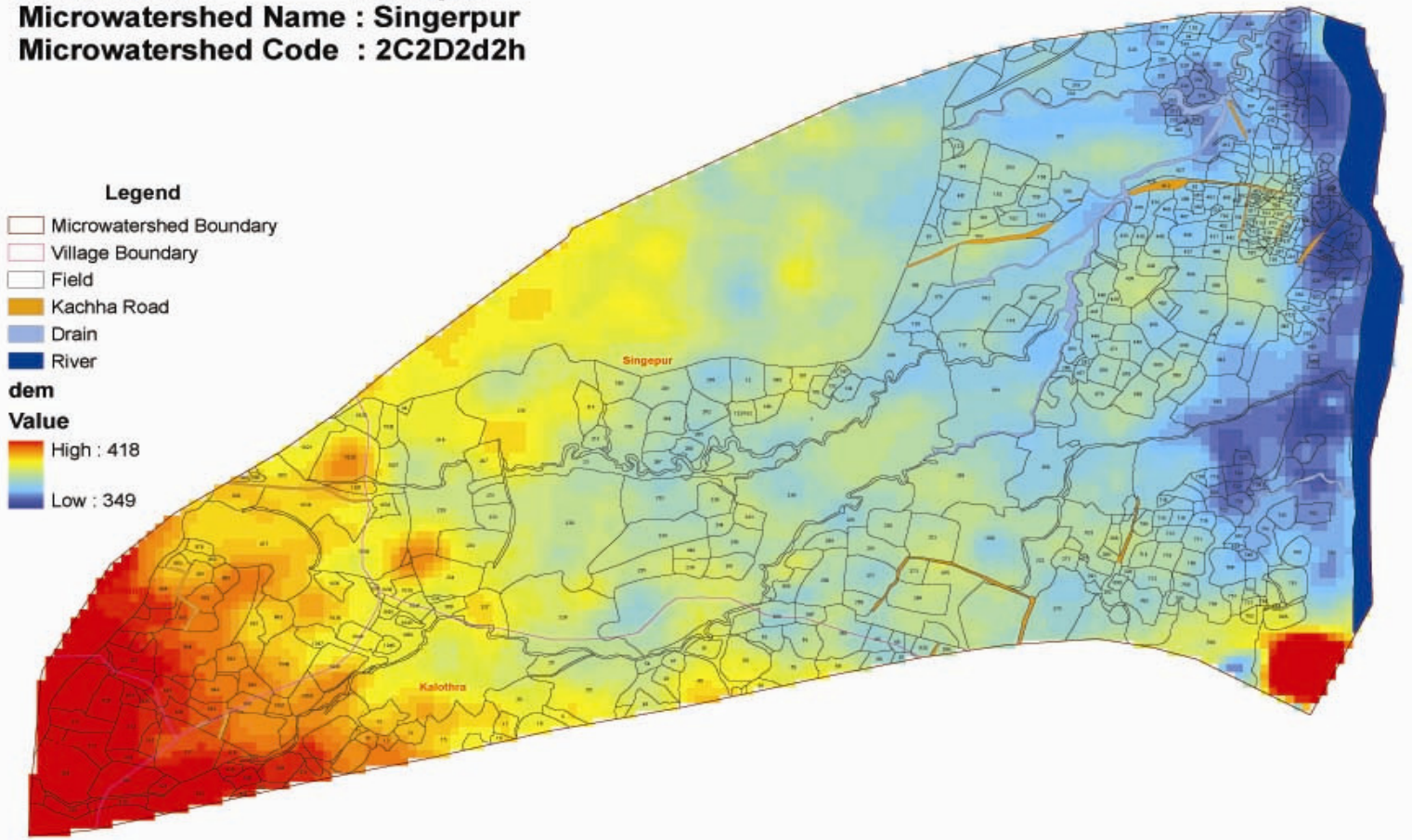
# CADASTRAL MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Singerpur**
**Microwatershed Code : 2C2D2d2h**



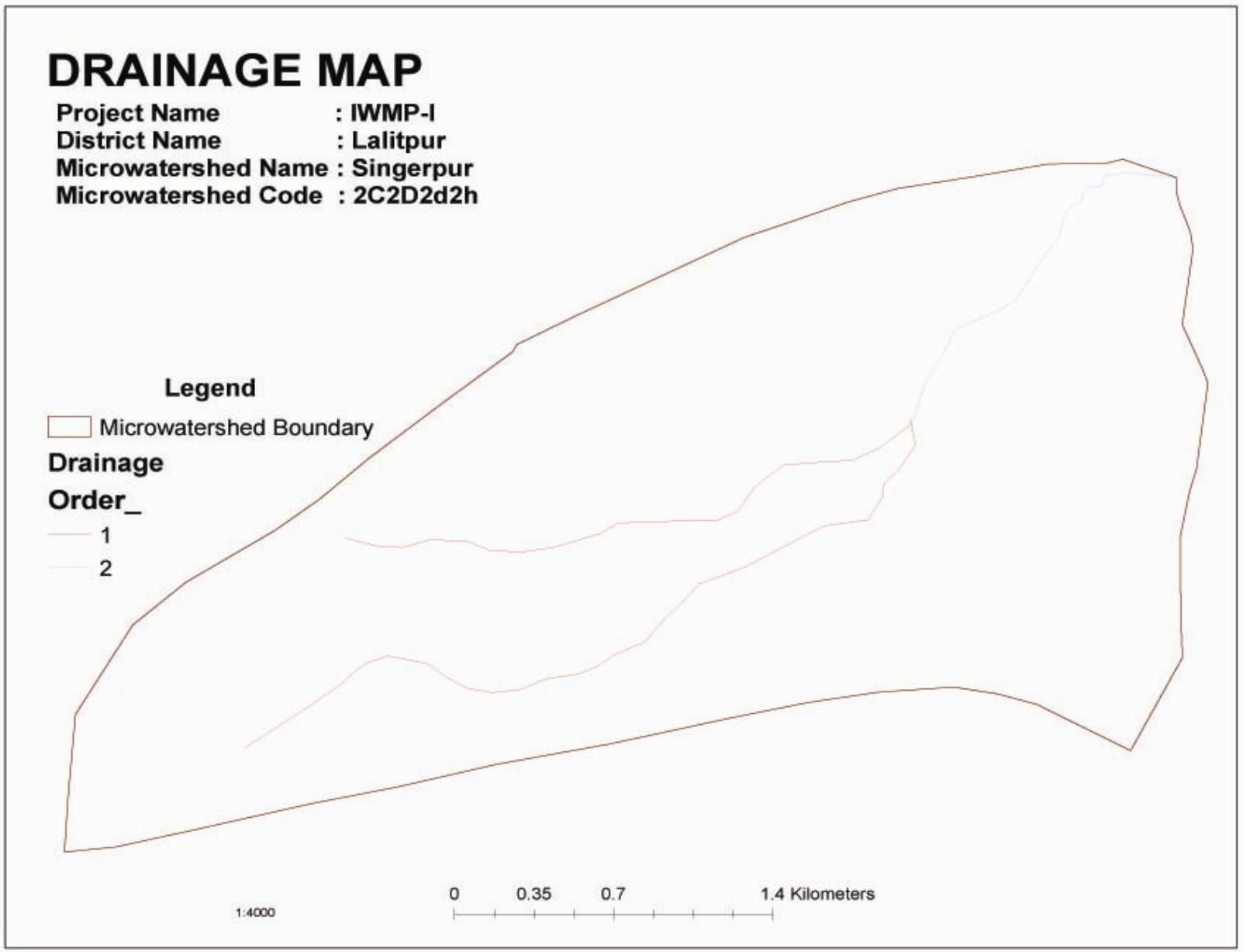
# DIGITAL ELEVATION MODEL

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Singerpur**
**Microwatershed Code : 2C2D2d2h**



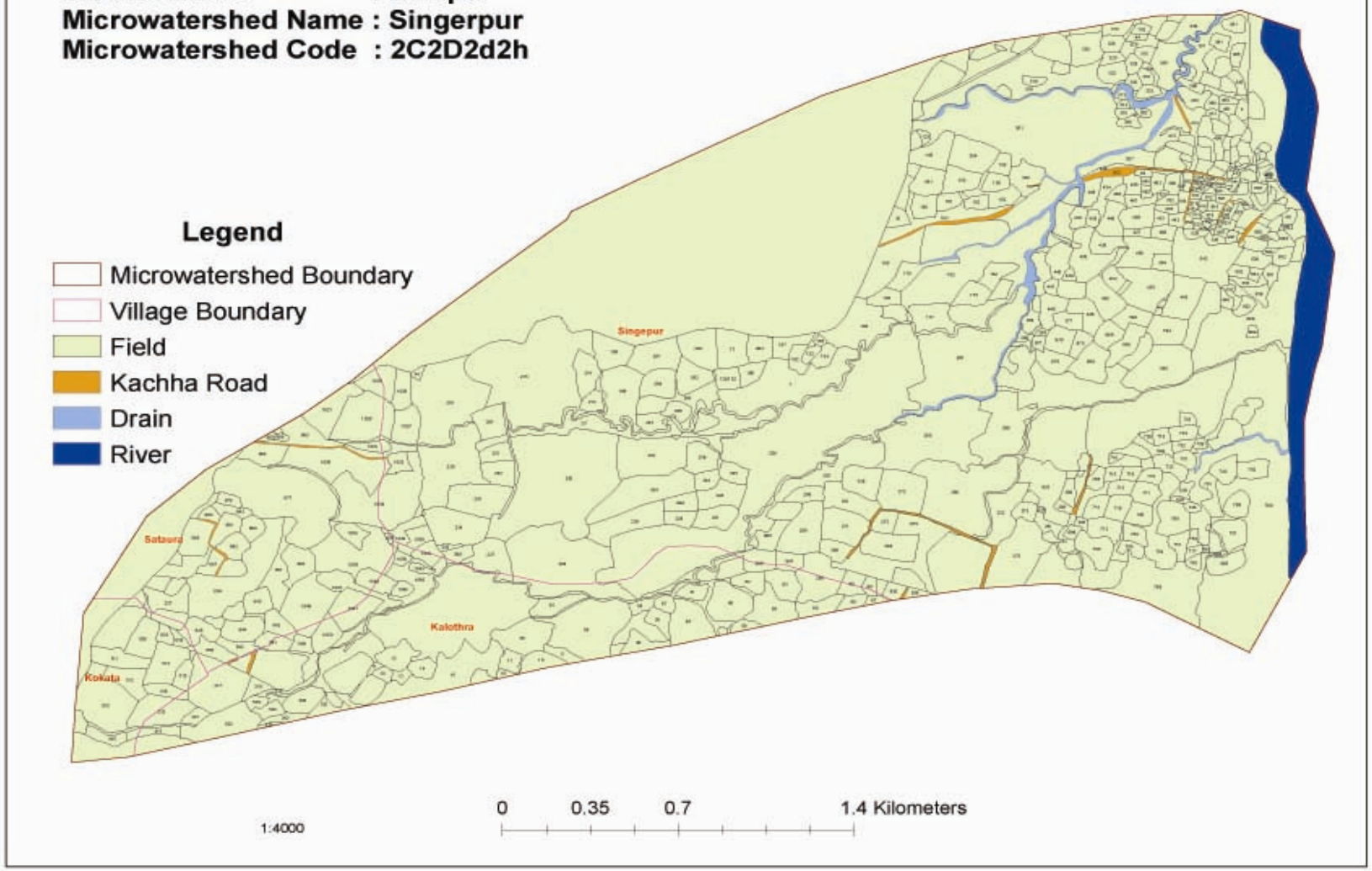
# DRAINAGE MAP

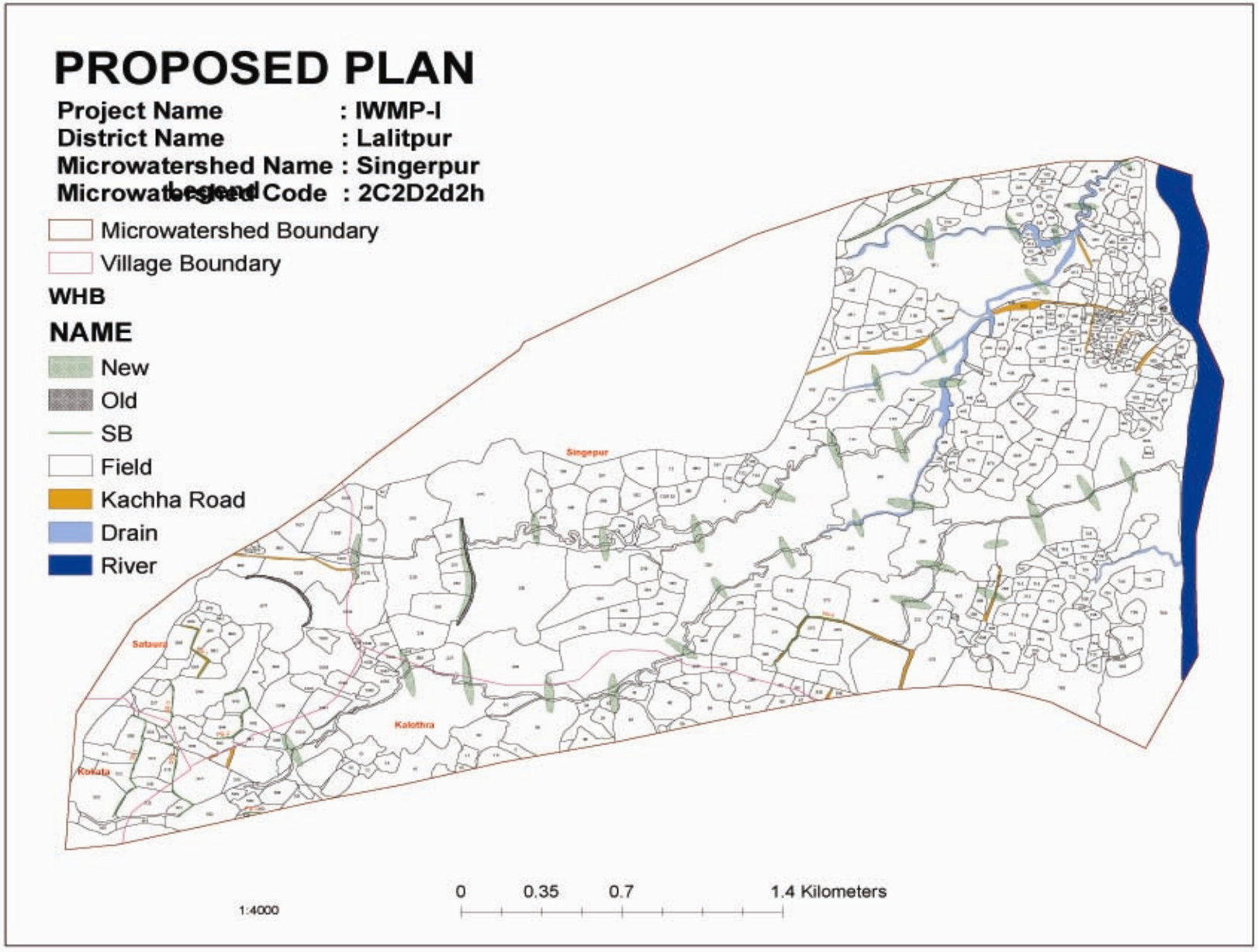
**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Singerpur**
**Microwatershed Code : 2C2D2d2h**

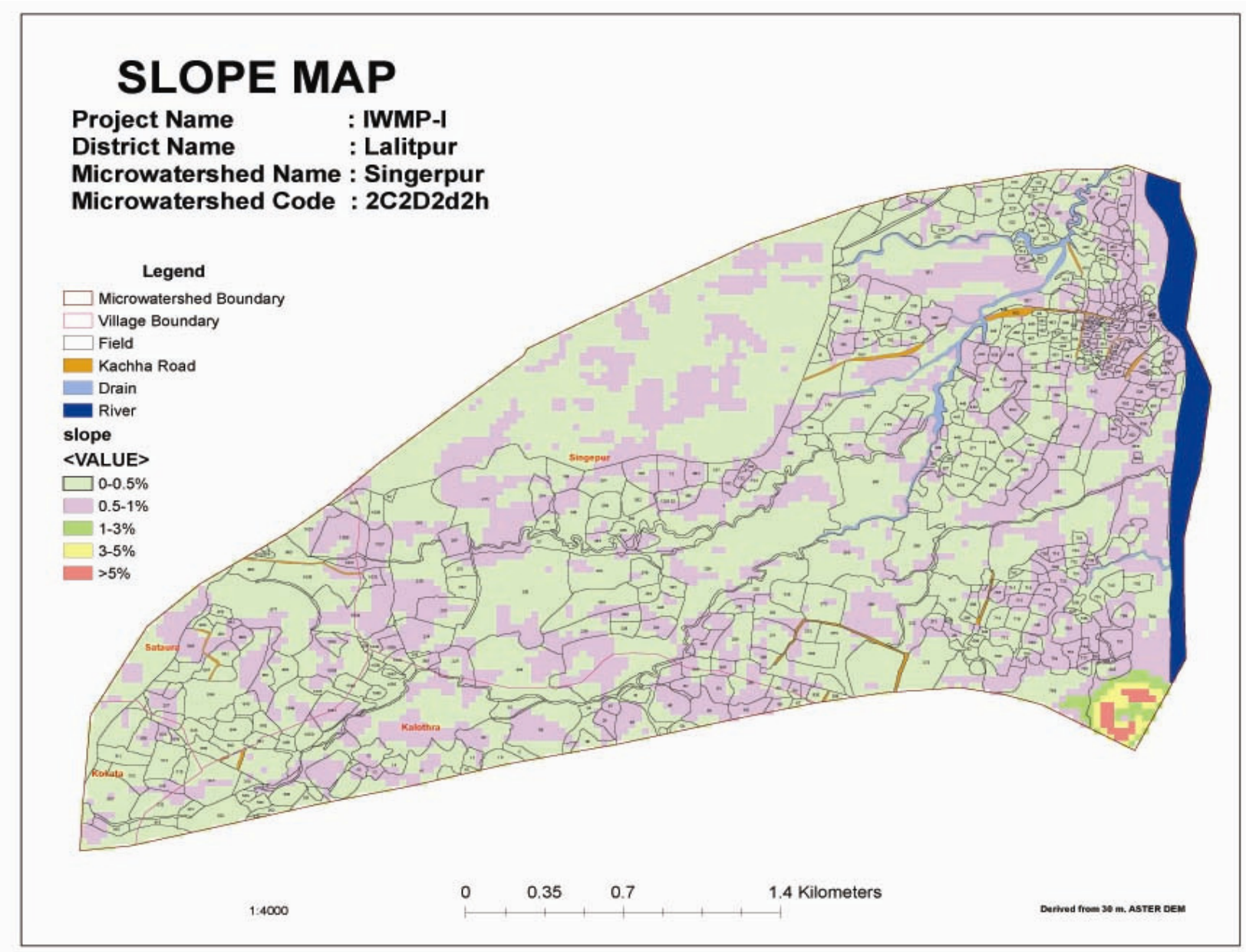


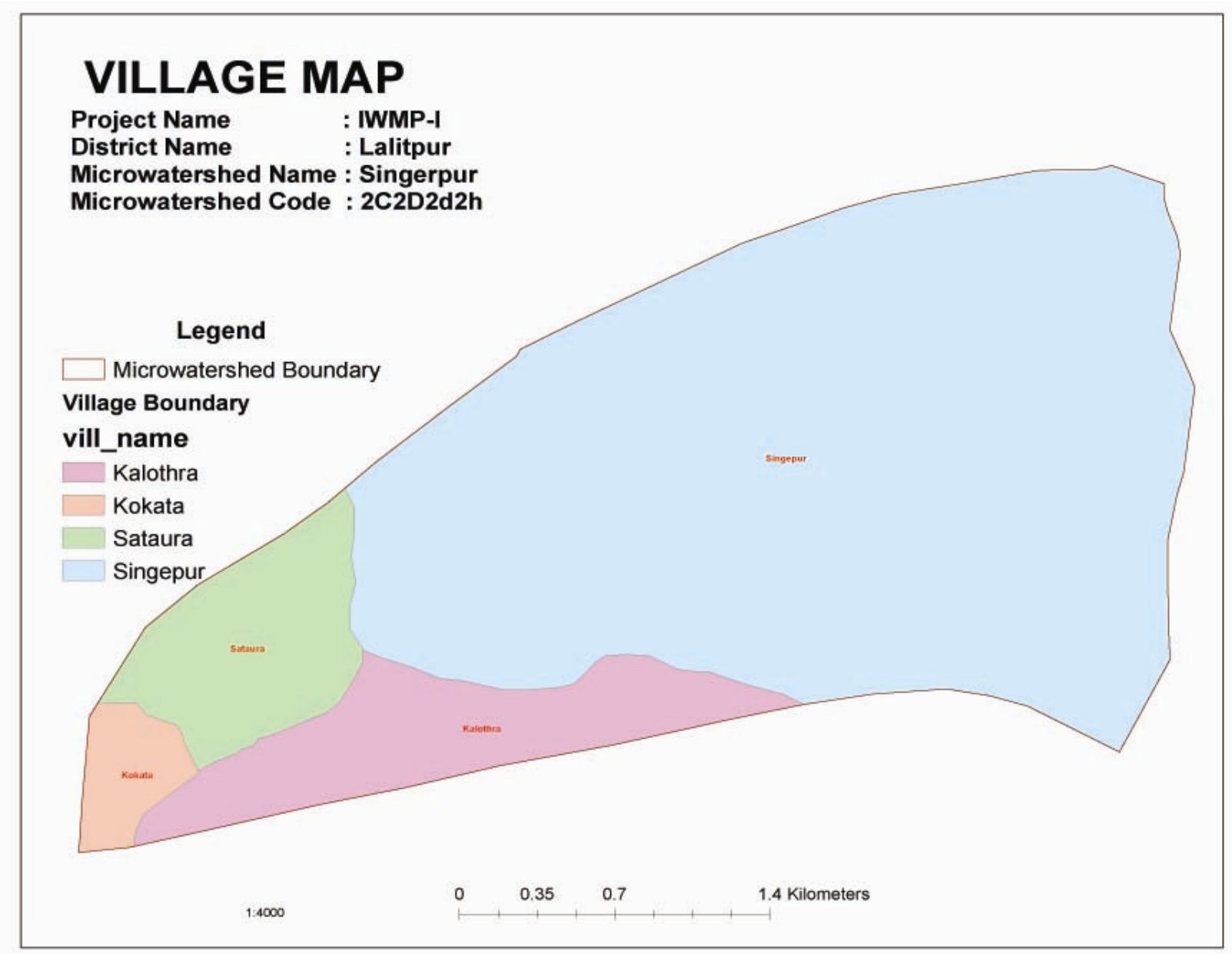
# LANDUSE MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Singerpur**
**Microwatershed Code : 2C2D2d2h**



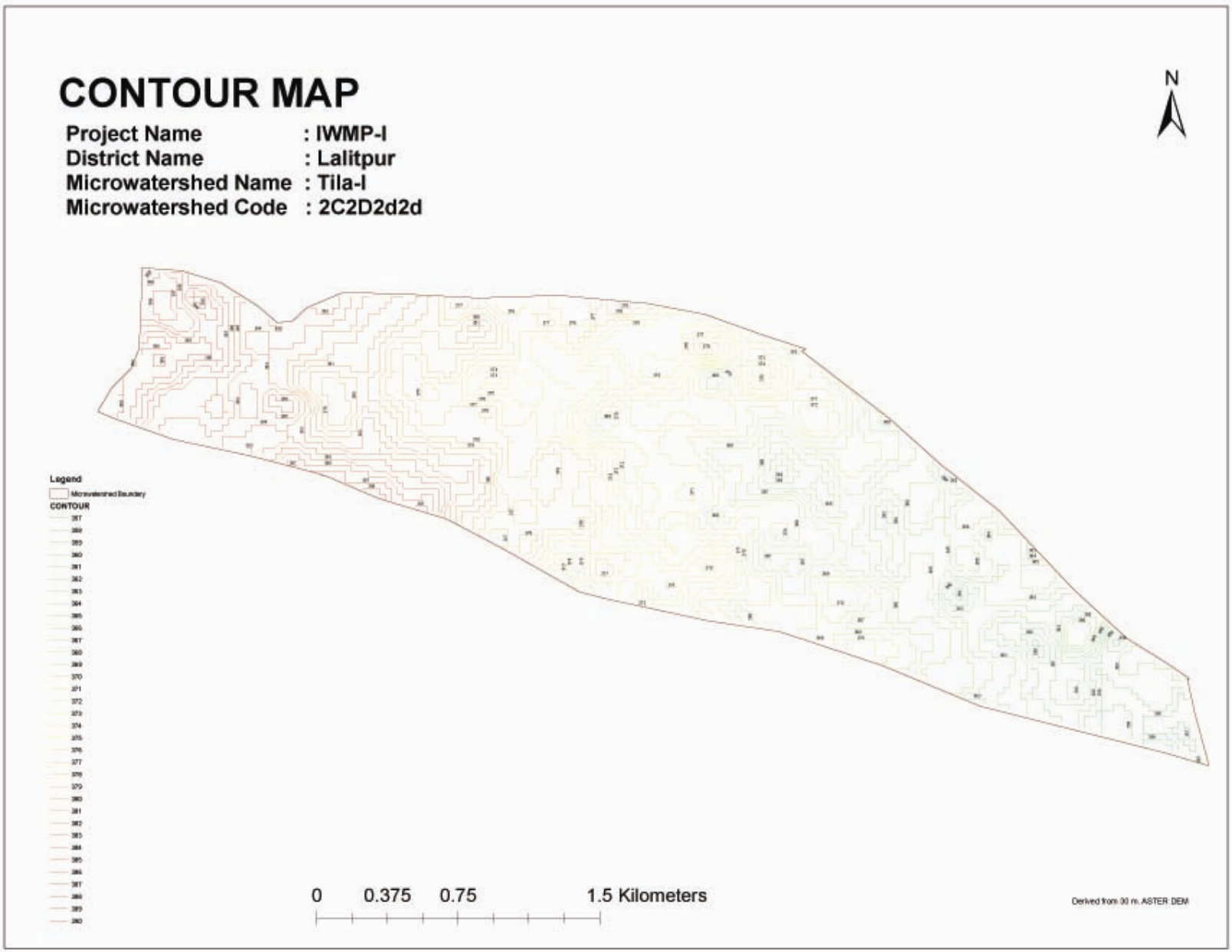

PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Singerpur
Microwatershed Code : 2C2D2d2h
Legend
Microwatershed Boundary
Village Boundary
WHB
NAME
New
Old
SB
Field
Kachha Road
Drain
River
Singepur
Kalothra
0 0.35 0.7 1.4 Kilometers
1:4000


SLOPE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Singerpur
Microwatershed Code : 2C2D2d2h
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain
River
slope
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
Singepur
Satauta
Kalothra
Kokata
1:4000
0 0.35 0.7 1.4 Kilometers
Derived from 30 m. ASTER DEM


VILLAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Singerpur
Microwatershed Code : 2C2D2d2h
Legend
Microwatershed Boundary
Village Boundary
vill_name
Kalothra
Kokata
Sataura
Singepur
Singepur
Sataura
Kalothra
Kokata
1:4000
0 0.35 0.7 1.4 Kilometers

# CONTOUR MAP

**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Tila-I
**Microwatershed Code** : 2C2D2d2d



# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Tila-I**
**Microwatershed Code : 2C2D2d2d**

**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

**CONTOUR**

- 357
- 360
- 363
- 366
- 369
- 372
- 375
- 378
- 381
- 384
- 387
- 390

1:4000

0 0.375 0.75 1.5 Kilometers

Derived from 30 m. ASTER DEM

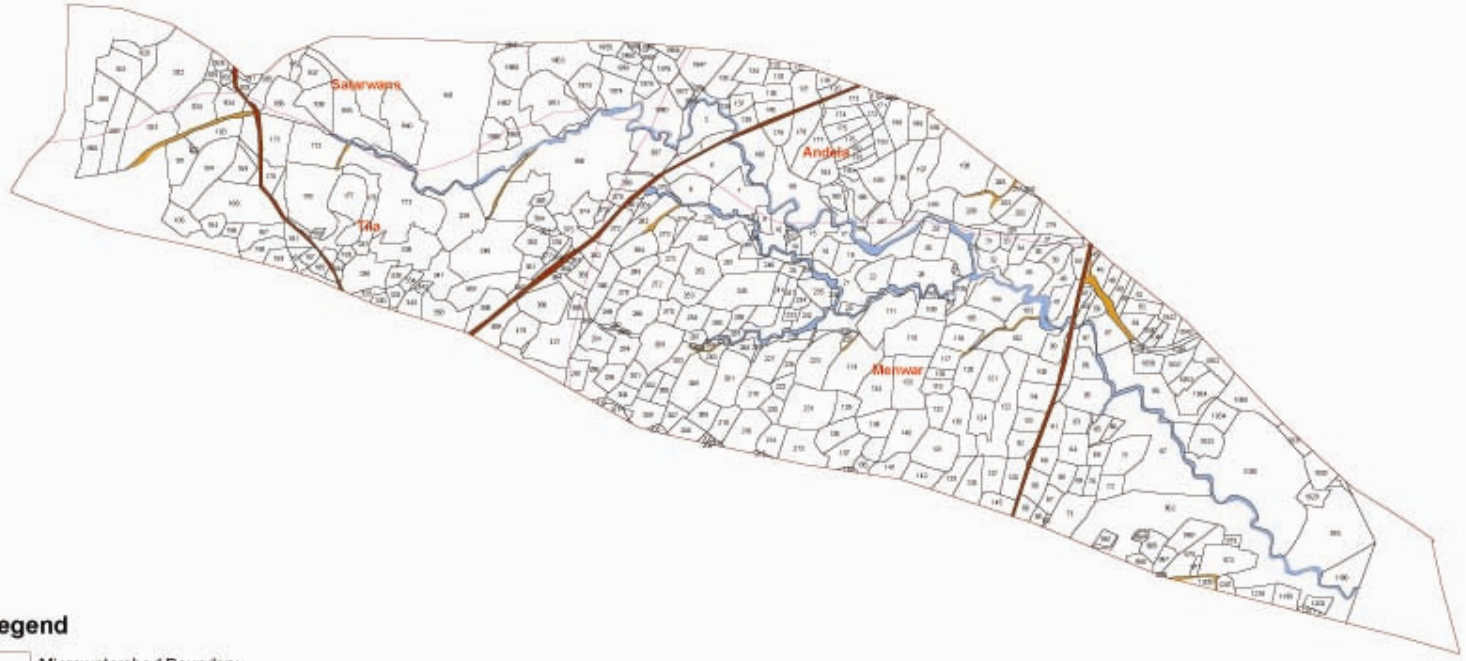
N

# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Tila-I**
**Microwatershed Code : 2C2D2d2d**

# CADASTRAL MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Tila-I**
**Microwatershed Code : 2C2D2d2d**




N

**Legend**

- Microwatershed Boundary
- Field
- Pucca Road
- Kachha Road
- Drain/River
- VillageBoundary

0 0.375 0.75 1.5 Kilometers

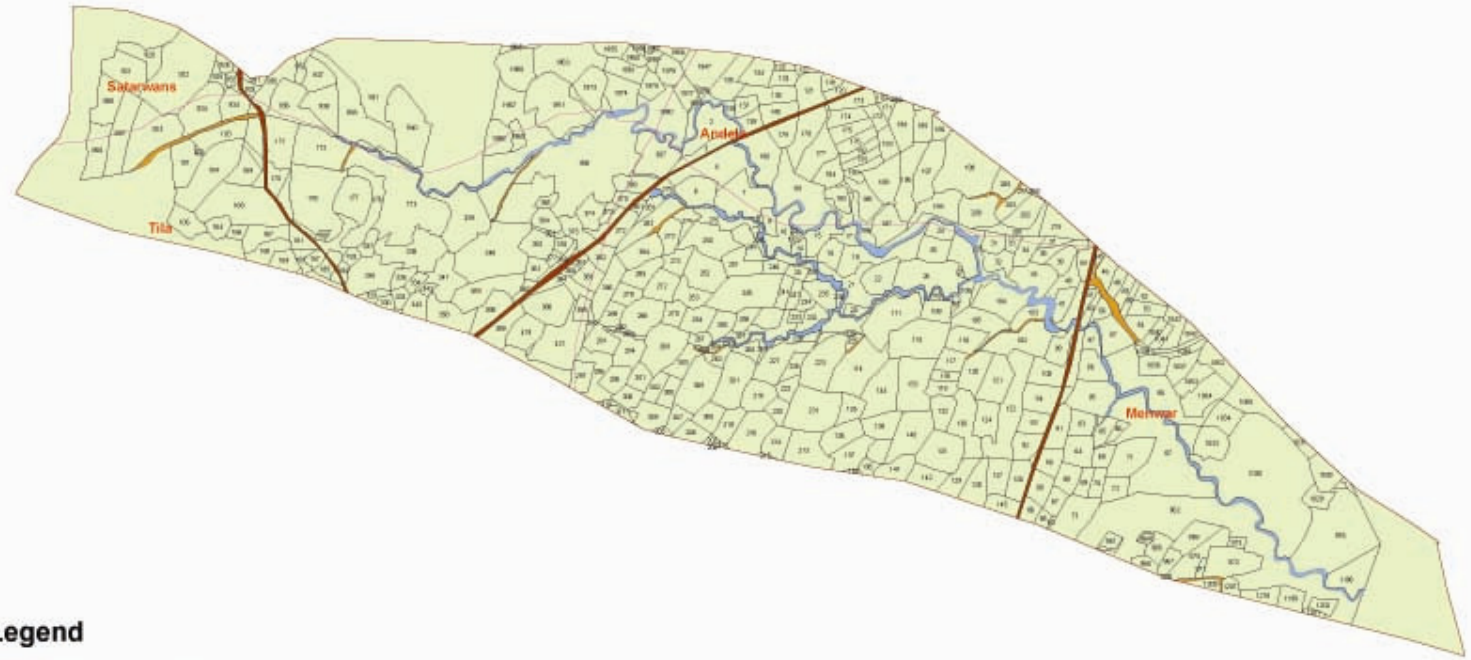
Source - ASTER DEM30m

# DRAINAGE MAP

**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Tila-I
**Microwatershed Code** : 2C2D2d2d

# LANDUSE MAP

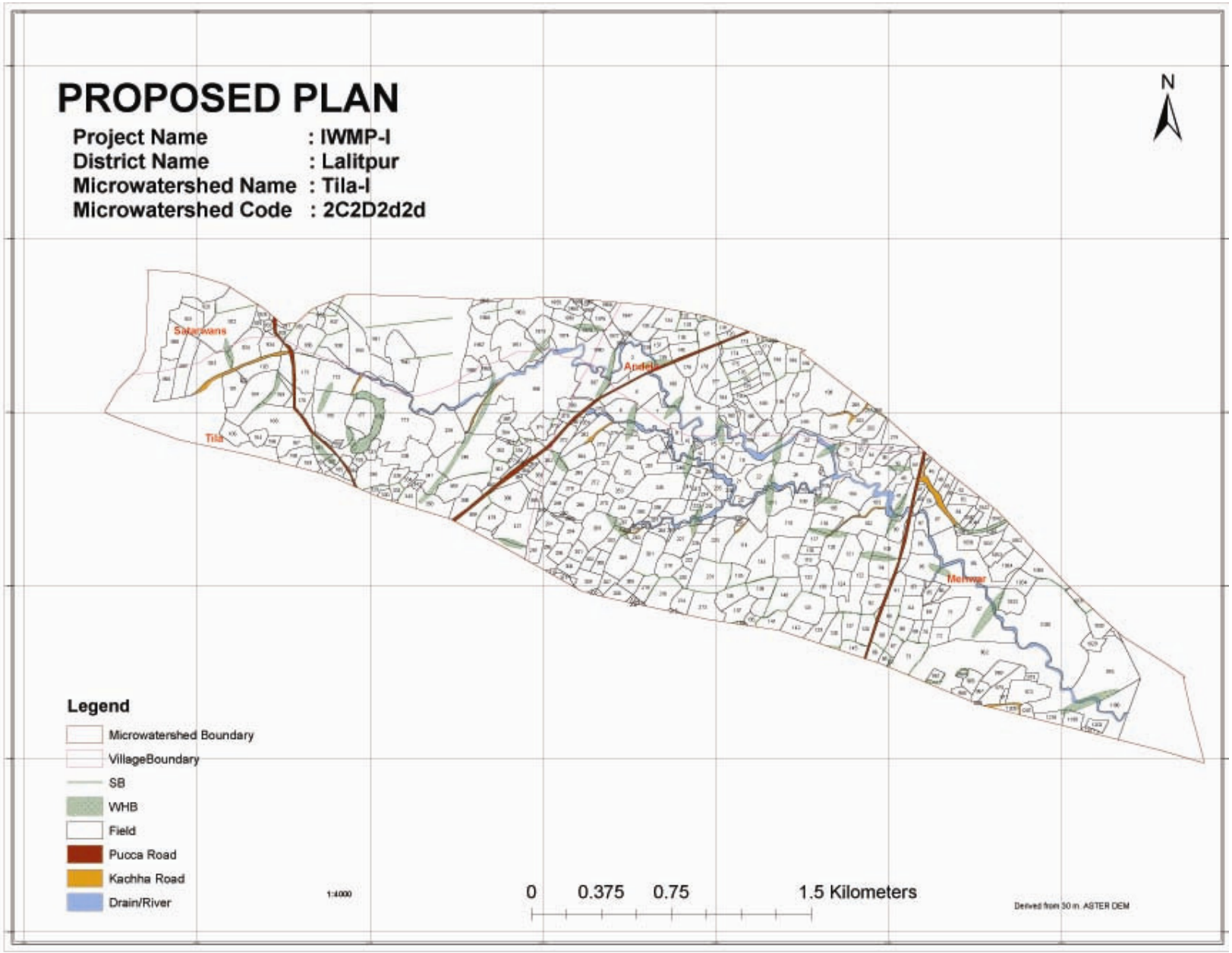
**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Tila-I
**Microwatershed Code** : 2C2D2d2d




**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

0 0.375 0.75 1.5 Kilometers


PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Tila-I
Microwatershed Code : 2C2D2d2d
N
Salarwara
Tila
Mehwar
Legend
Microwatershed Boundary
VillageBoundary
SB
WHB
Field
Pucca Road
Kachha Road
Drain/River
1:4000
0 0.375 0.75 1.5 Kilometers
Derived from 30 m. ASTER DEM

# SLOPE MAP

**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Tila-I
**Microwatershed Code** : 2C2D2d2d

**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

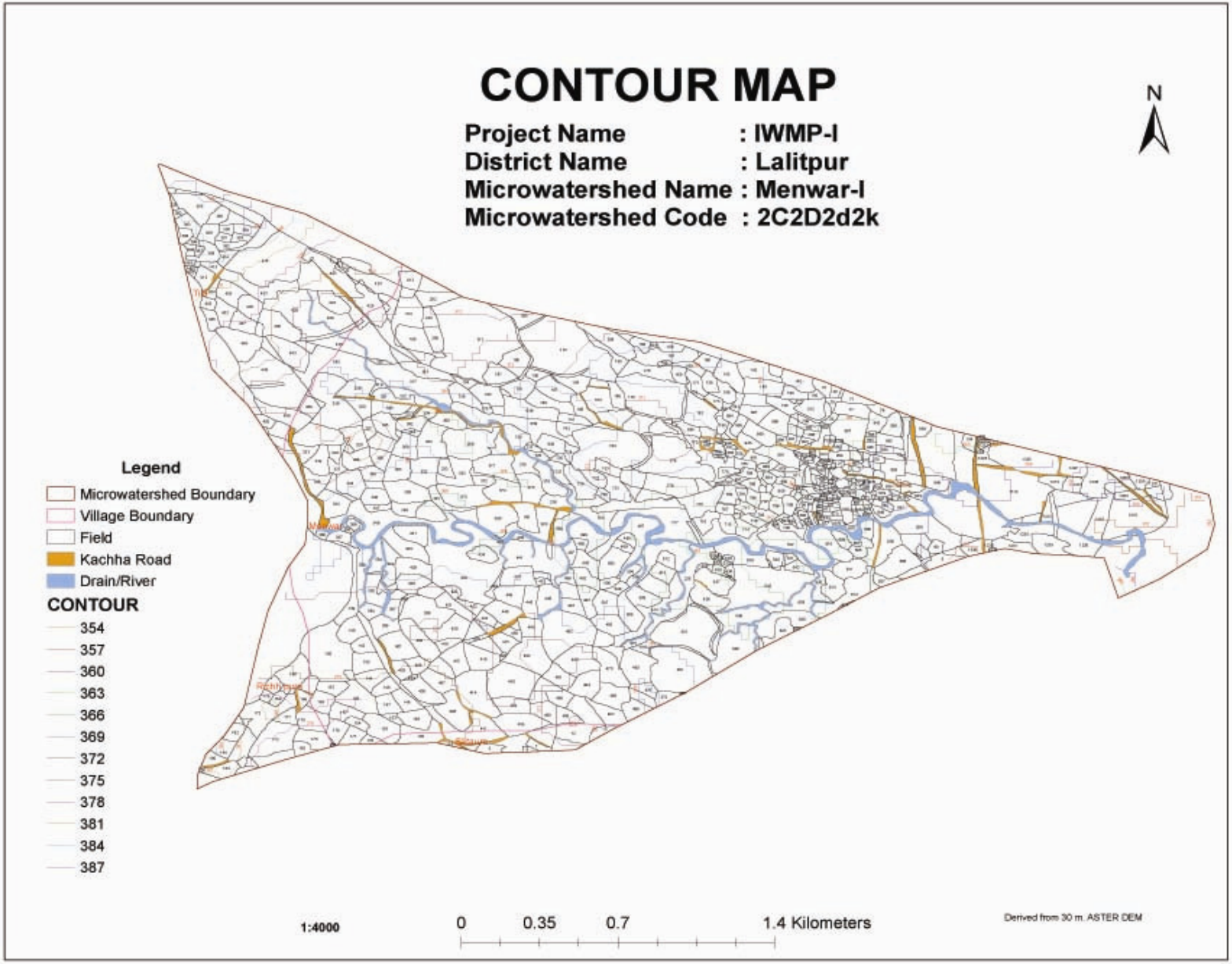
**slope**

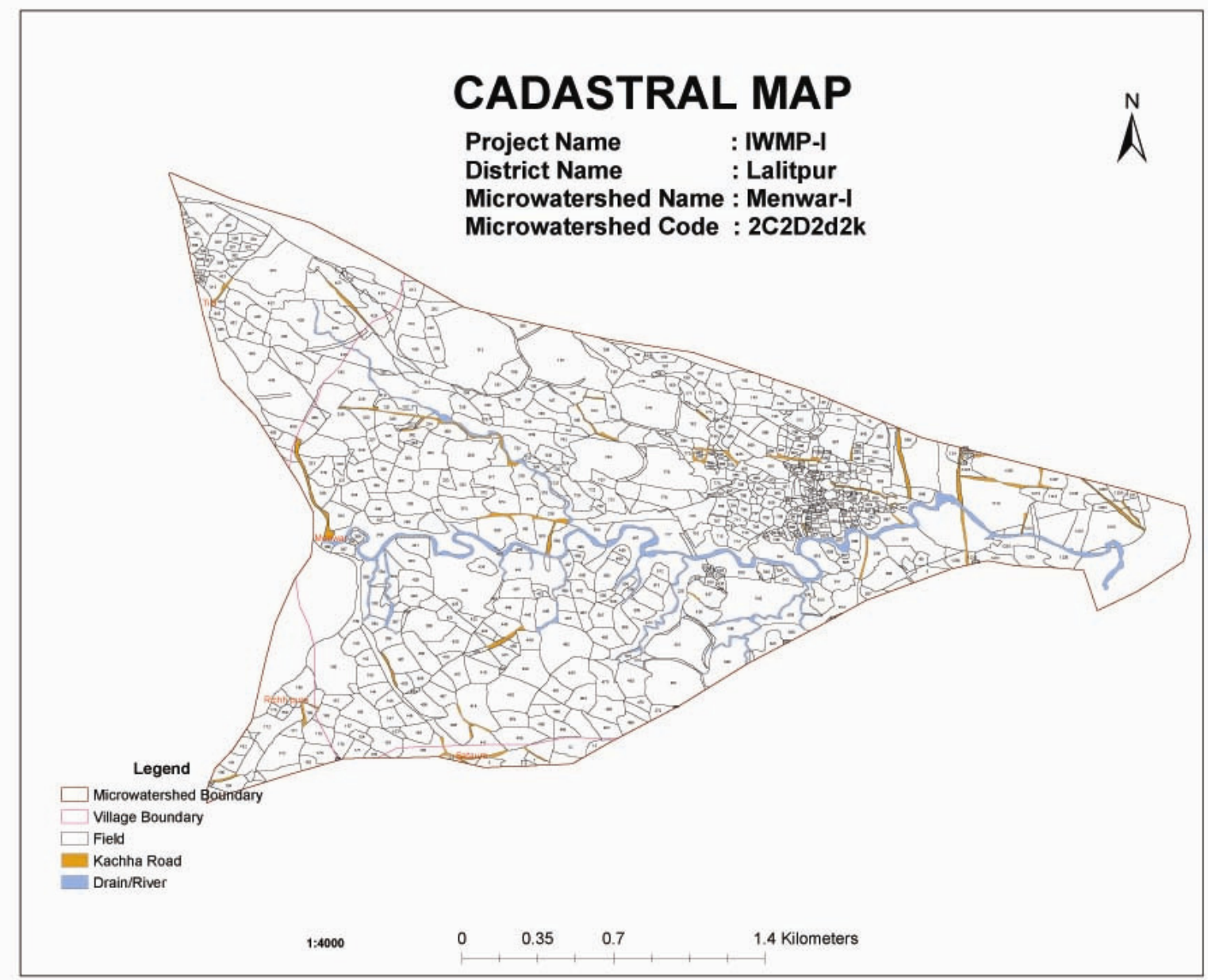
**<VALUE>**

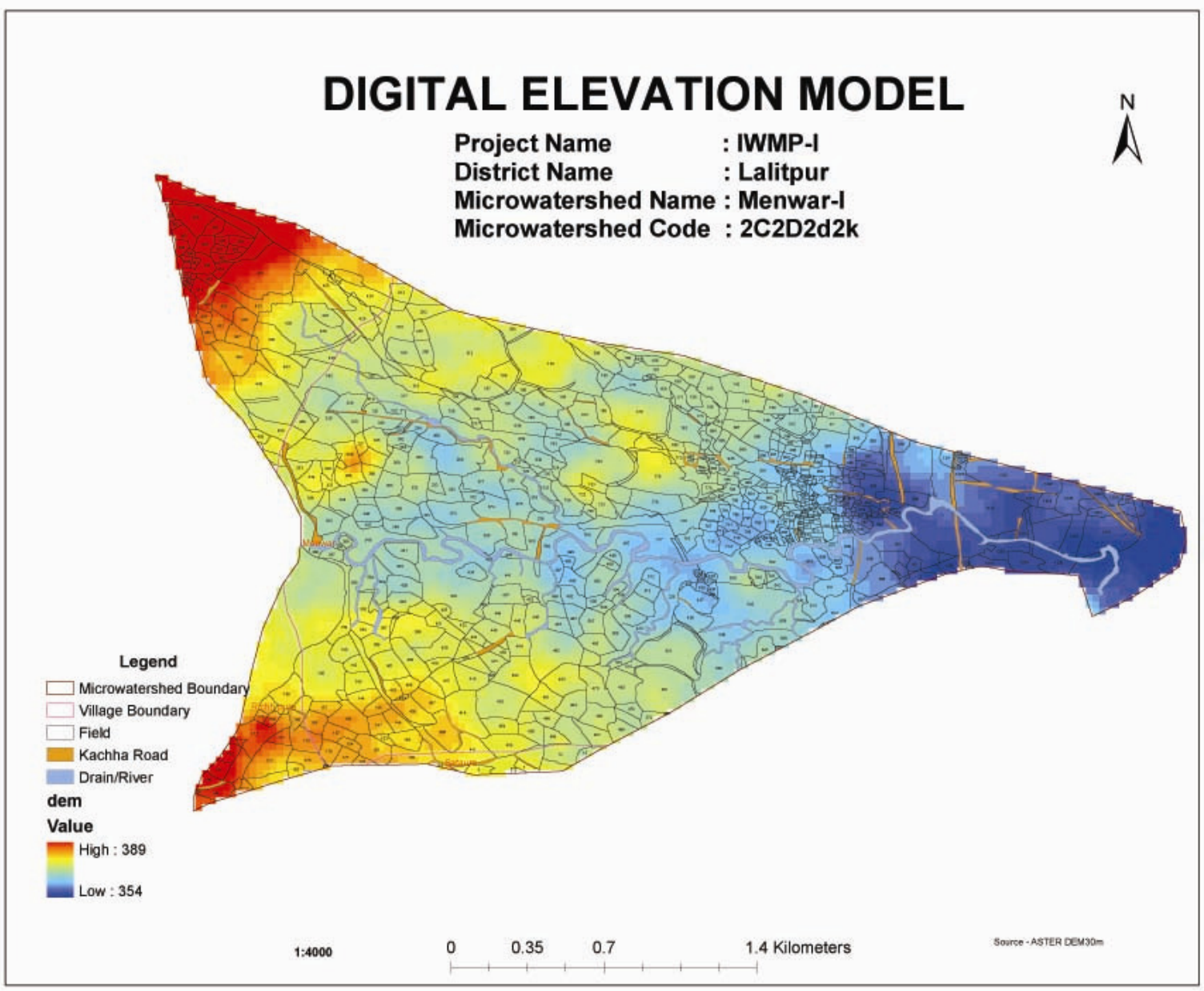
- 0-0.5%
- 0.5-1%
- 1-3%
- 3-5%
- >5%

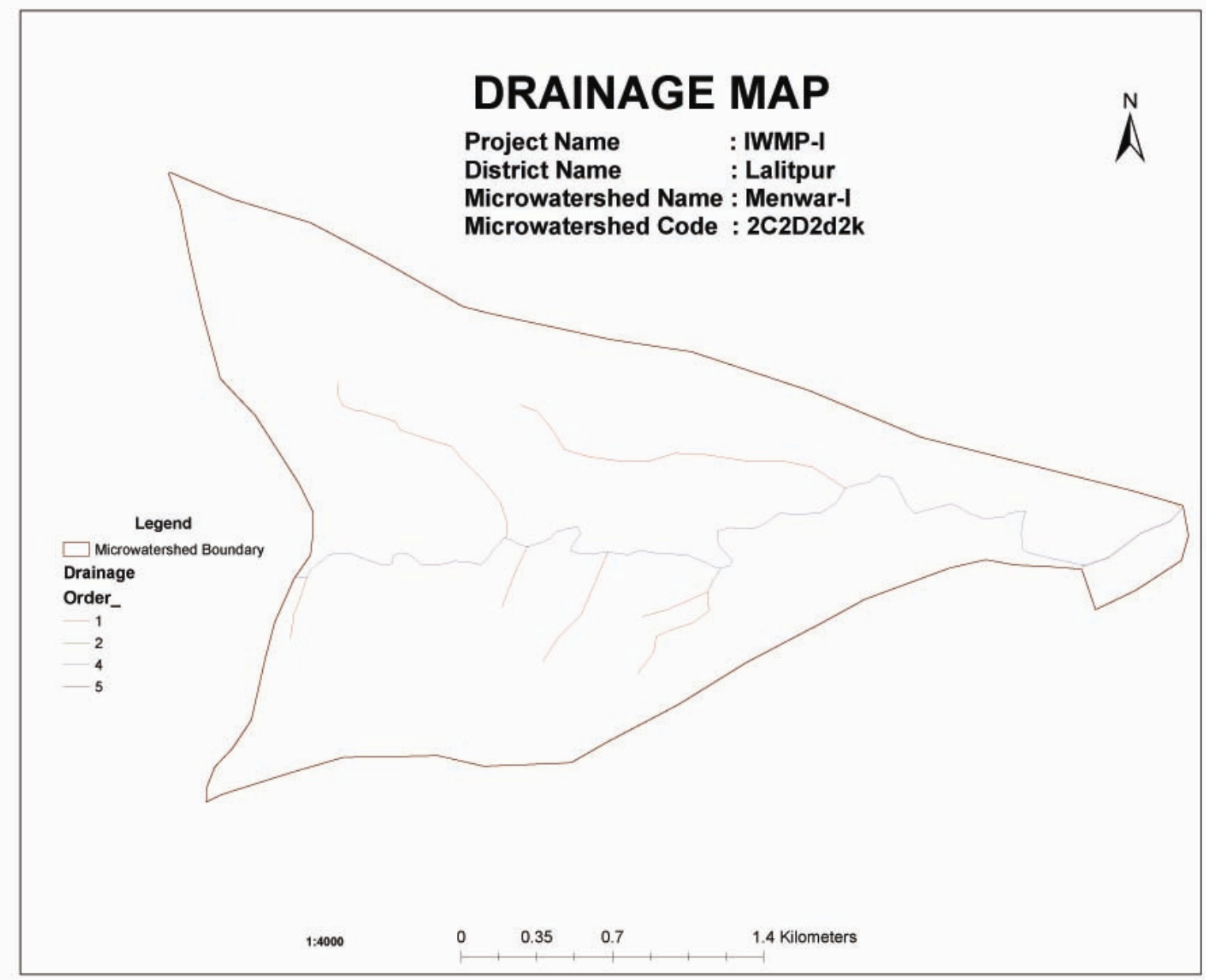
0 0.375 0.75 1.5 Kilometers

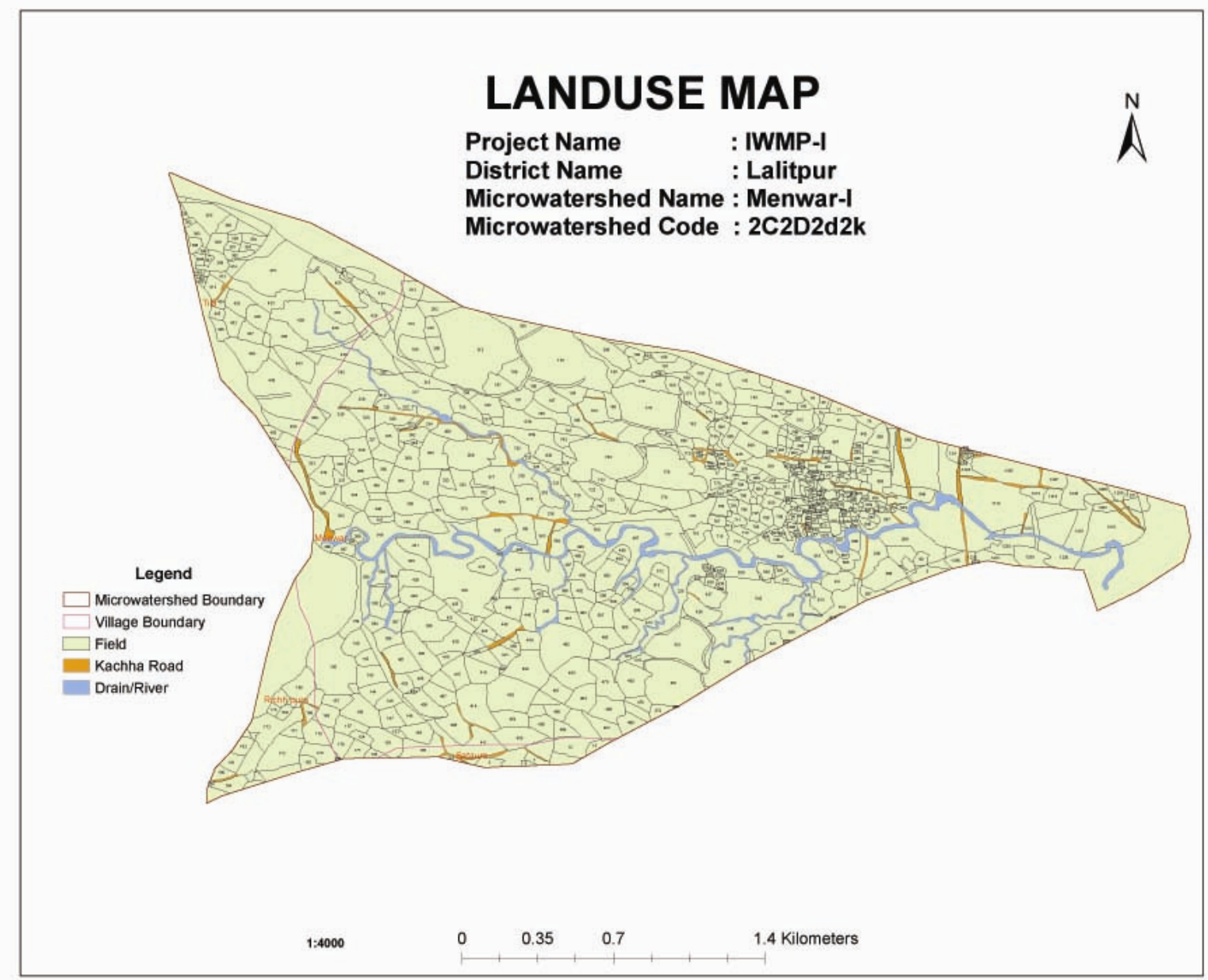
Derived from 30 m. ASTER DEM

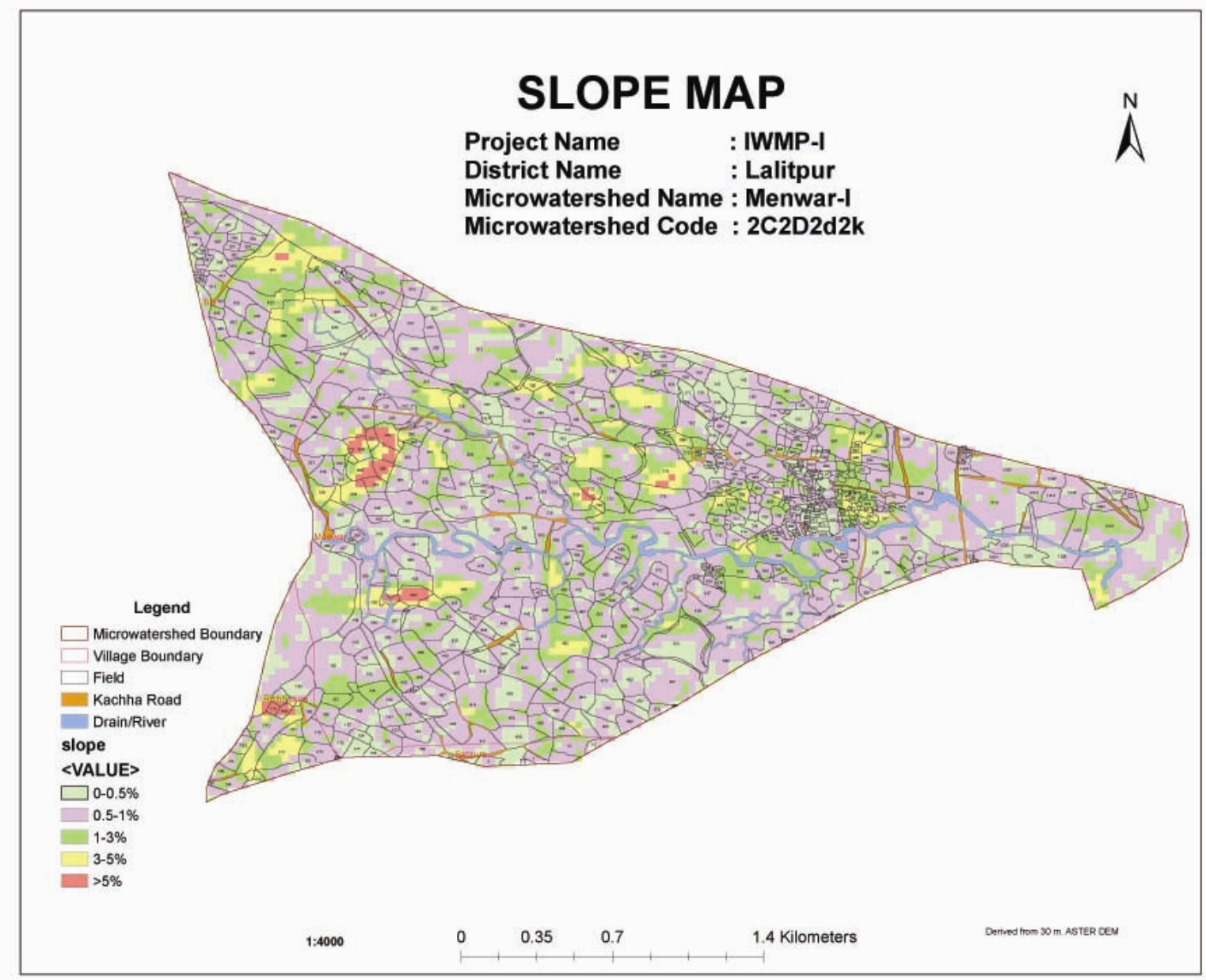

CONTOUR MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
CONTOUR
354
357
360
363
366
369
372
375
378
381
384
387
1:4000
0 0.35 0.7 1.4 Kilometers
Derived from 30 m. ASTER DEM

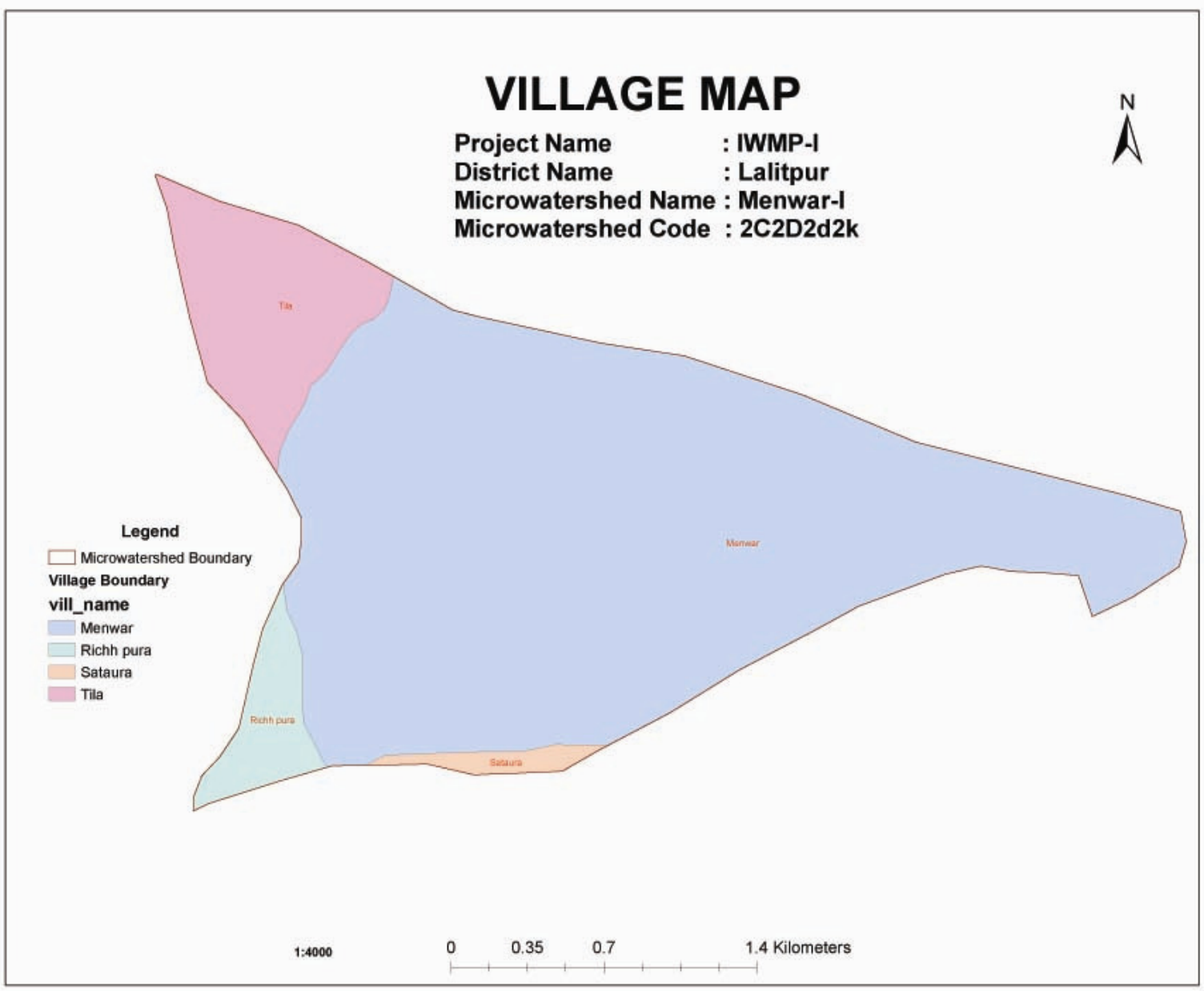

CADASTRAL MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
1:4000
0 0.35 0.7 1.4 Kilometers

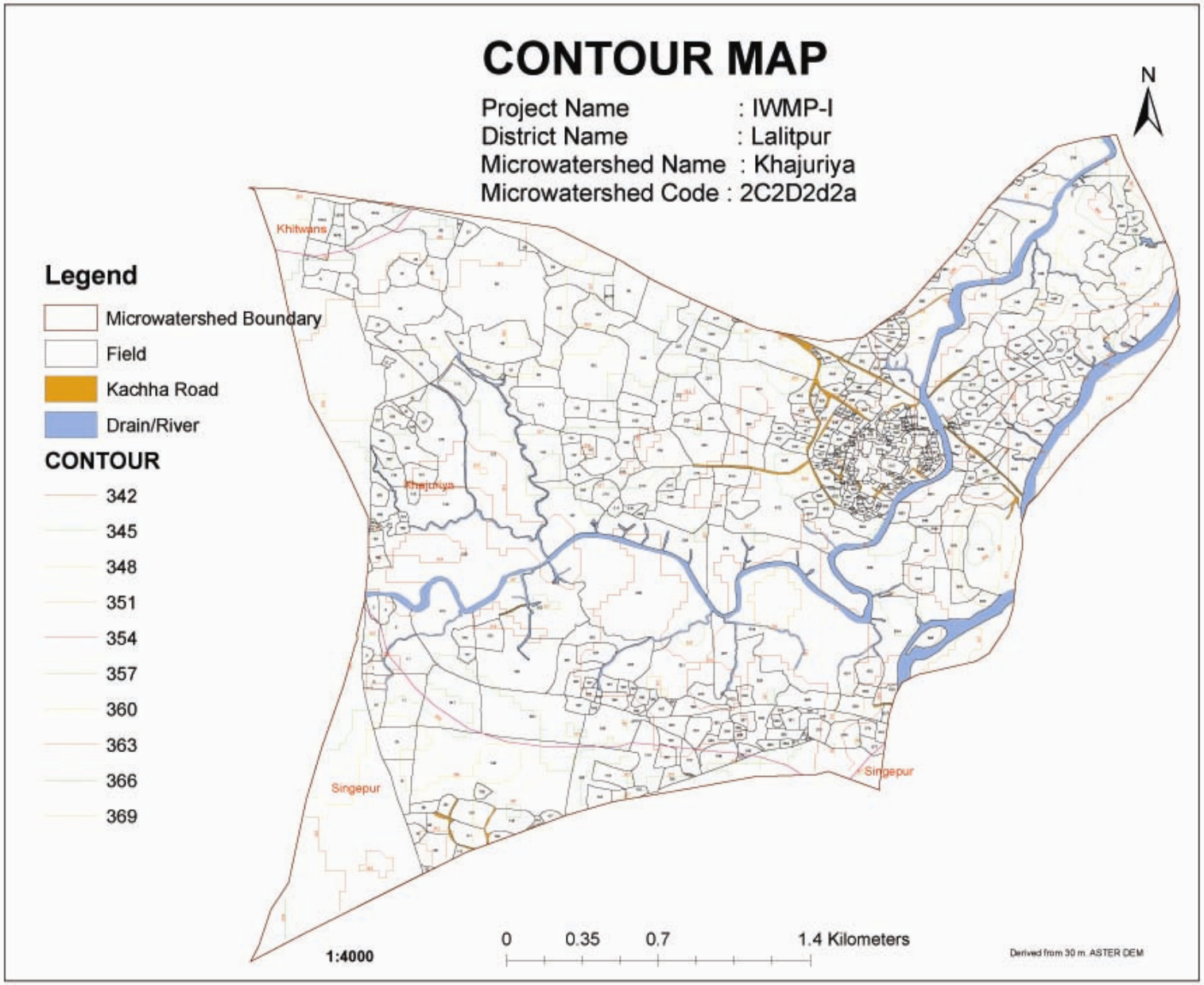

DIGITAL ELEVATION MODEL
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
dem
Value
High : 389
Low : 354
1:4000
0 0.35 0.7 1.4 Kilometers
Source - ASTER DEM30m

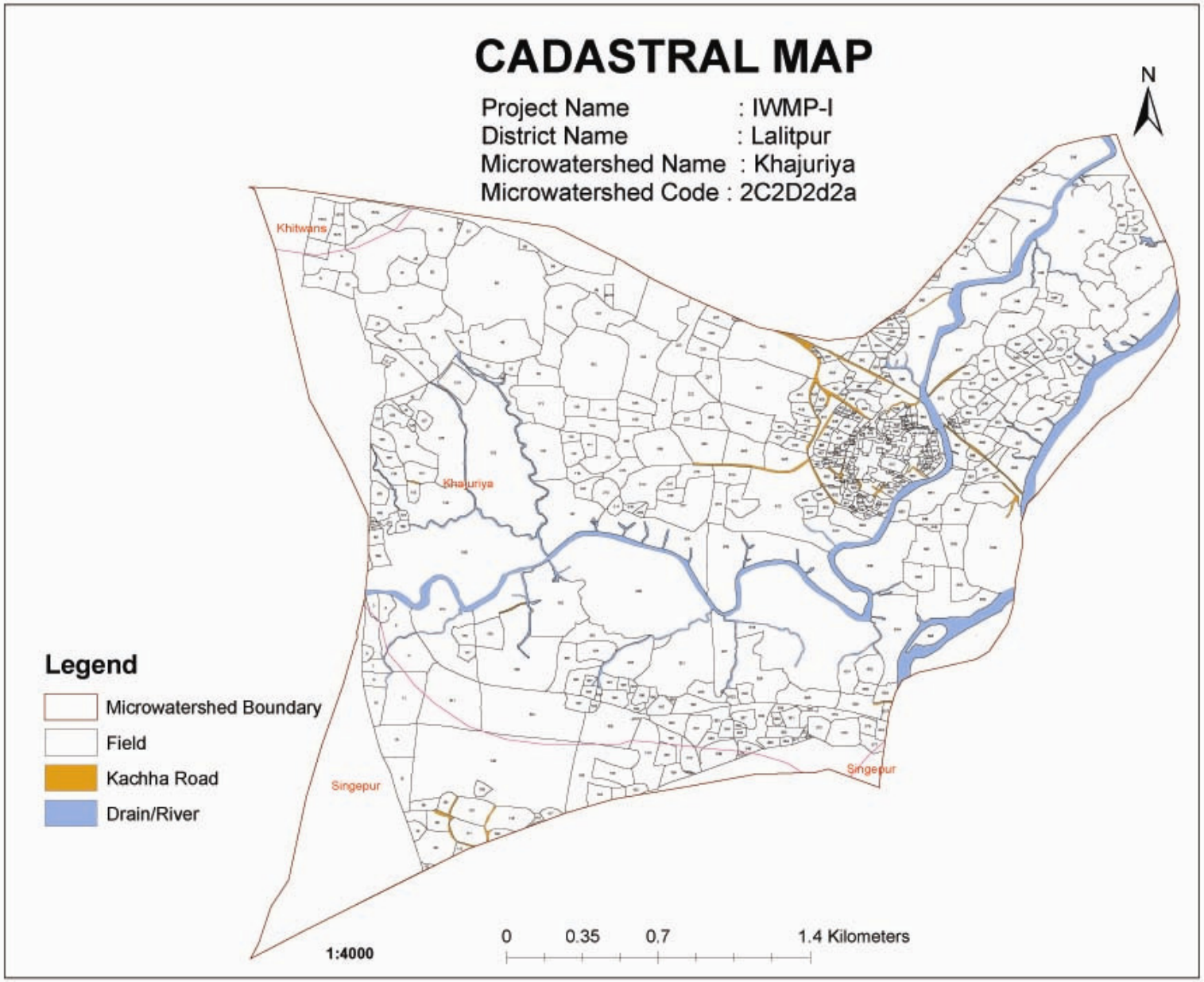

DRAINAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Drainage
Order_
1
2
4
5
1:4000
0
0.35
0.7
1.4 Kilometers

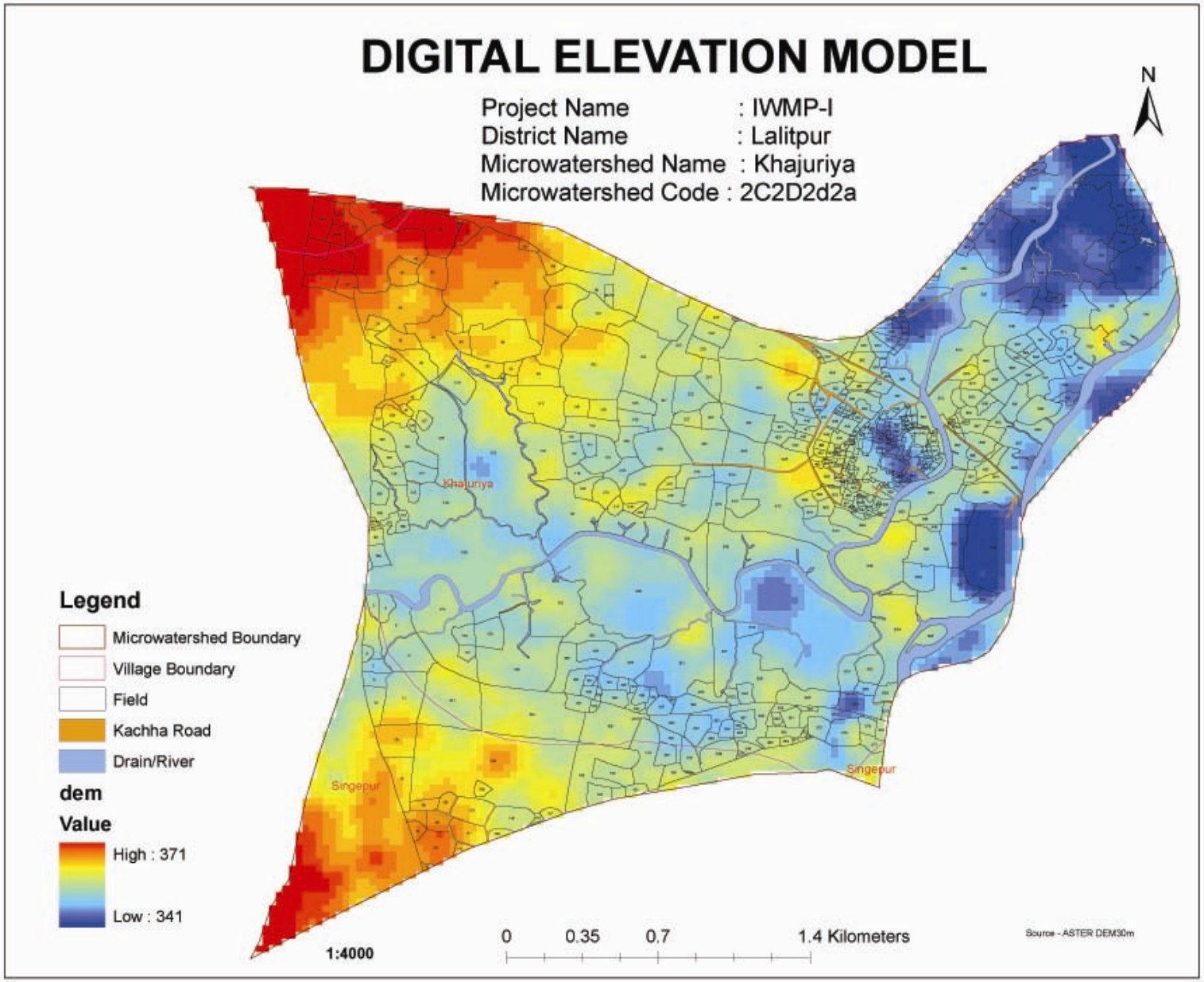

LANDUSE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
1:4000
0 0.35 0.7 1.4 Kilometers

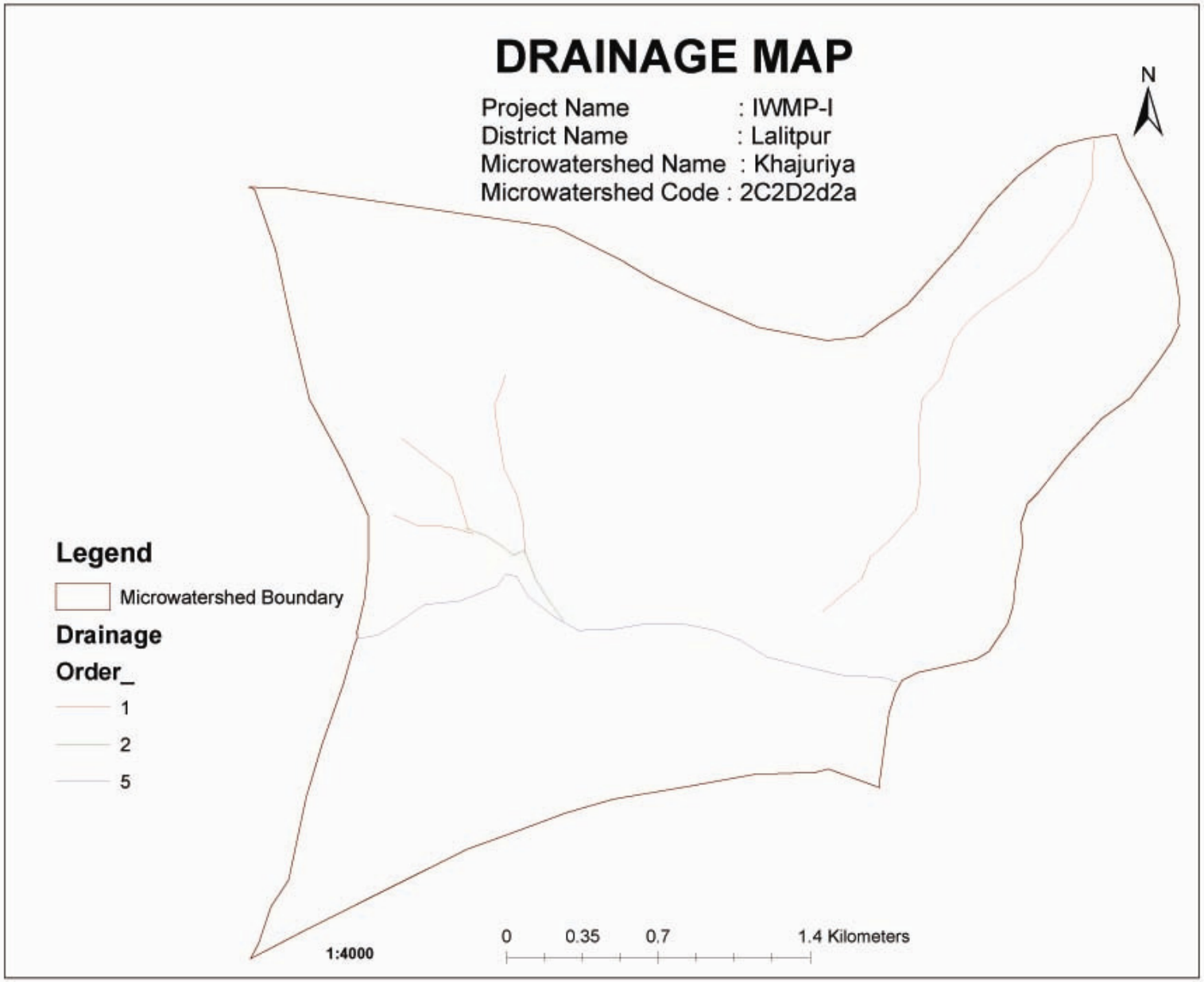

SLOPE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
slope
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
1:4000
0 0.35 0.7 1.4 Kilometers
Derived from 30 m. ASTER DEM

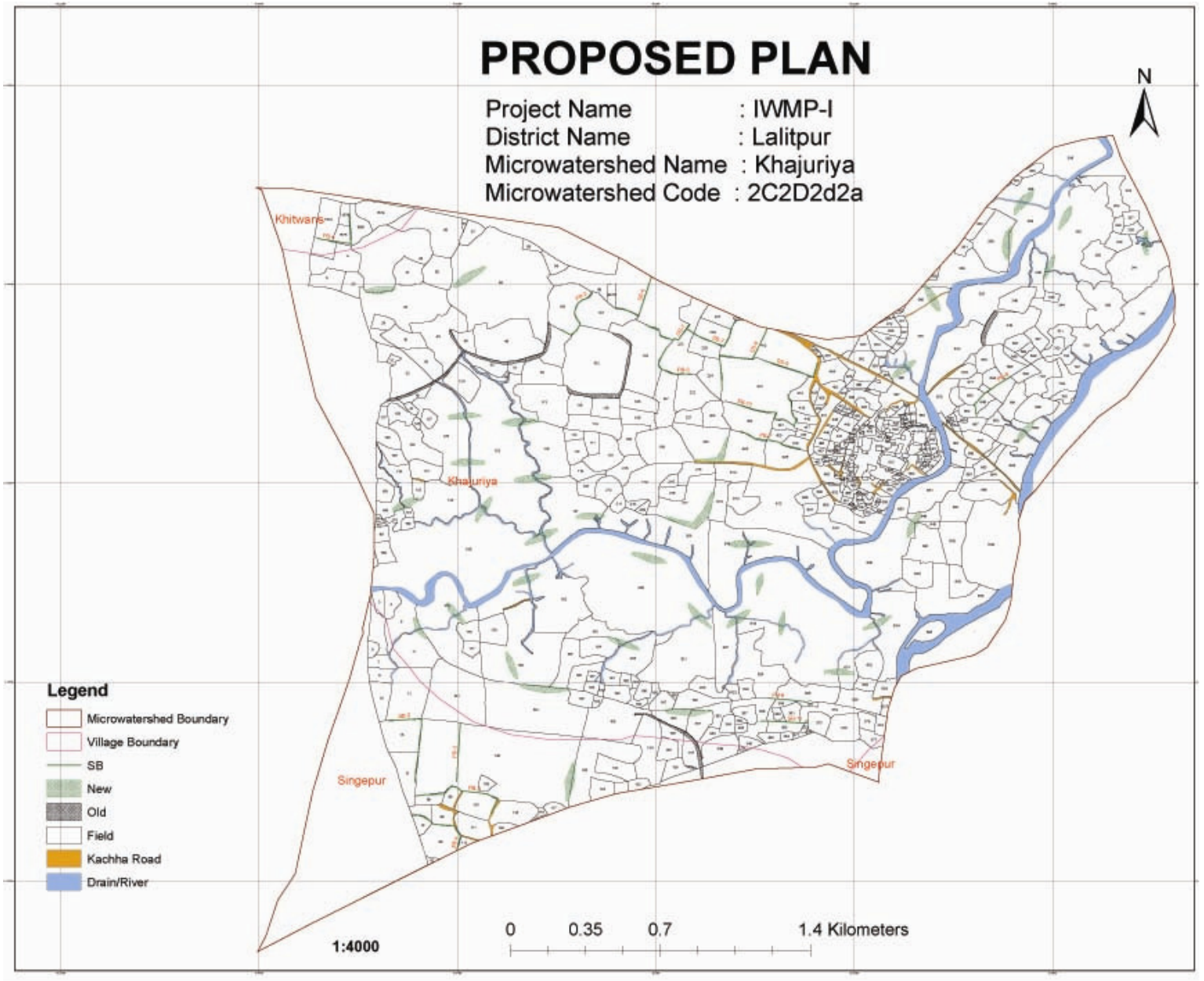

VILLAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Menwar-I
Microwatershed Code : 2C2D2d2k
N
Legend
Microwatershed Boundary
Village Boundary
vill_name
Menwar
Richh pura
Sataura
Tila
Tila
Menwar
Richh pura
Sataura
1:4000
0 0.35 0.7 1.4 Kilometers

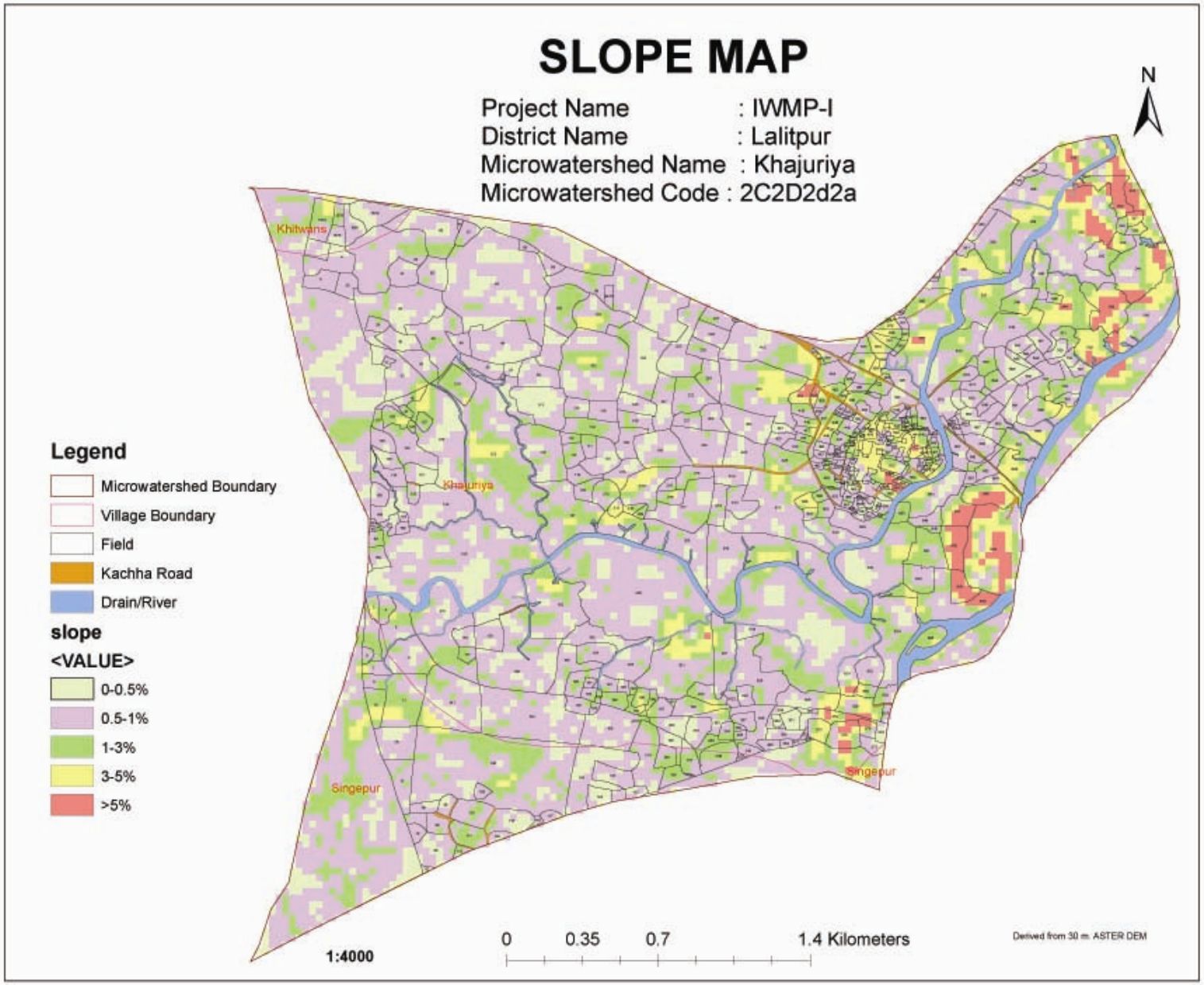

CONTOUR MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Legend
Microwatershed Boundary
Field
Kachha Road
Drain/River
CONTOUR
342
345
348
351
354
357
360
363
366
369
Khitwans
Khajuriya
Singepur
Singepur
1:4000
0 0.35 0.7 1.4 Kilometers
Derived from 30 m. ASTER DEM

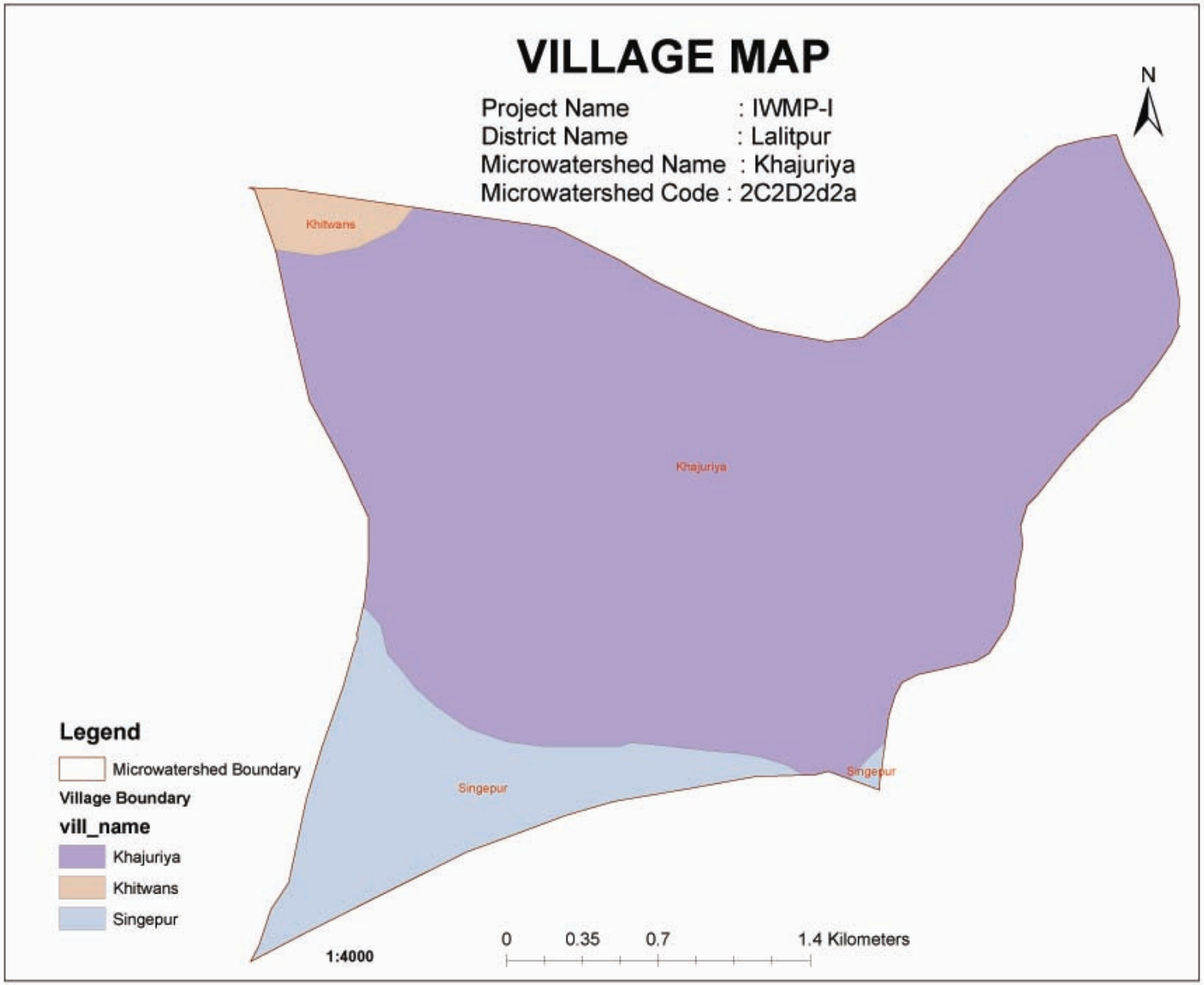

CADASTRAL MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Khitwans
Khajuriya
Singepur
Singepur
Legend
Microwatershed Boundary
Field
Kachha Road
Drain/River
1:4000
0 0.35 0.7 1.4 Kilometers


DIGITAL ELEVATION MODEL
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Khajuriya
Singepur
Singepur
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
dem
Value
High : 371
Low : 341
1:4000
0 0.35 0.7 1.4 Kilometers
Source - ASTER DEM30m


DRAINAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Legend
Microwatershed Boundary
Drainage
Order_
1
2
5
1:4000
0
0.35
0.7
1.4 Kilometers

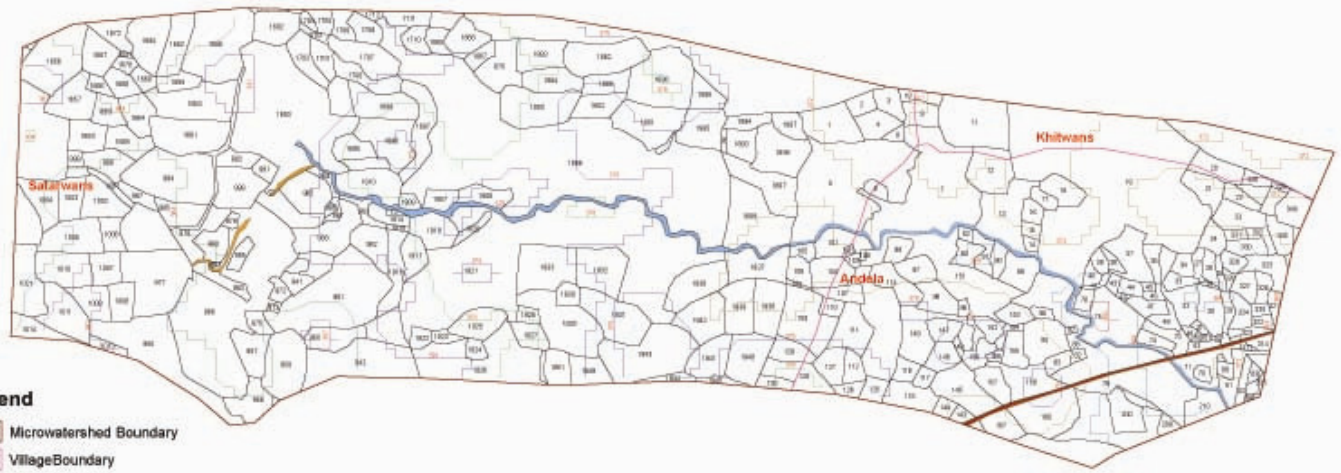

PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Khitwara
Khajuriya
Singepur
Singepur
Legend
Microwatershed Boundary
Village Boundary
SB
New
Old
Field
Kachha Road
Drain/River
1:4000
0 0.35 0.7 1.4 Kilometers


SLOPE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Khitwans
Khajuriya
Singepur
Singepur
Legend
Microwatershed Boundary
Village Boundary
Field
Kachha Road
Drain/River
slope
<VALUE>
0-0.5%
0.5-1%
1-3%
3-5%
>5%
1:4000
0 0.35 0.7 1.4 Kilometers
Derived from 30 m. ASTER DEM


VILLAGE MAP
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Khajuriya
Microwatershed Code : 2C2D2d2a
N
Khitwans
Khajuriya
Singepur
Singepur
Legend
Microwatershed Boundary
Village Boundary
vill_name
Khajuriya
Khitwans
Singepur
1:4000
0 0.35 0.7 1.4 Kilometers

# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**




N

**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

**CONTOUR**

- 366
- 369
- 372
- 375
- 378
- 381
- 384
- 387

1:4000

0 0.3 0.6 1.2 Kilometers

Derived from 30 m. ASTER DEM

# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**

**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

**CONTOUR**

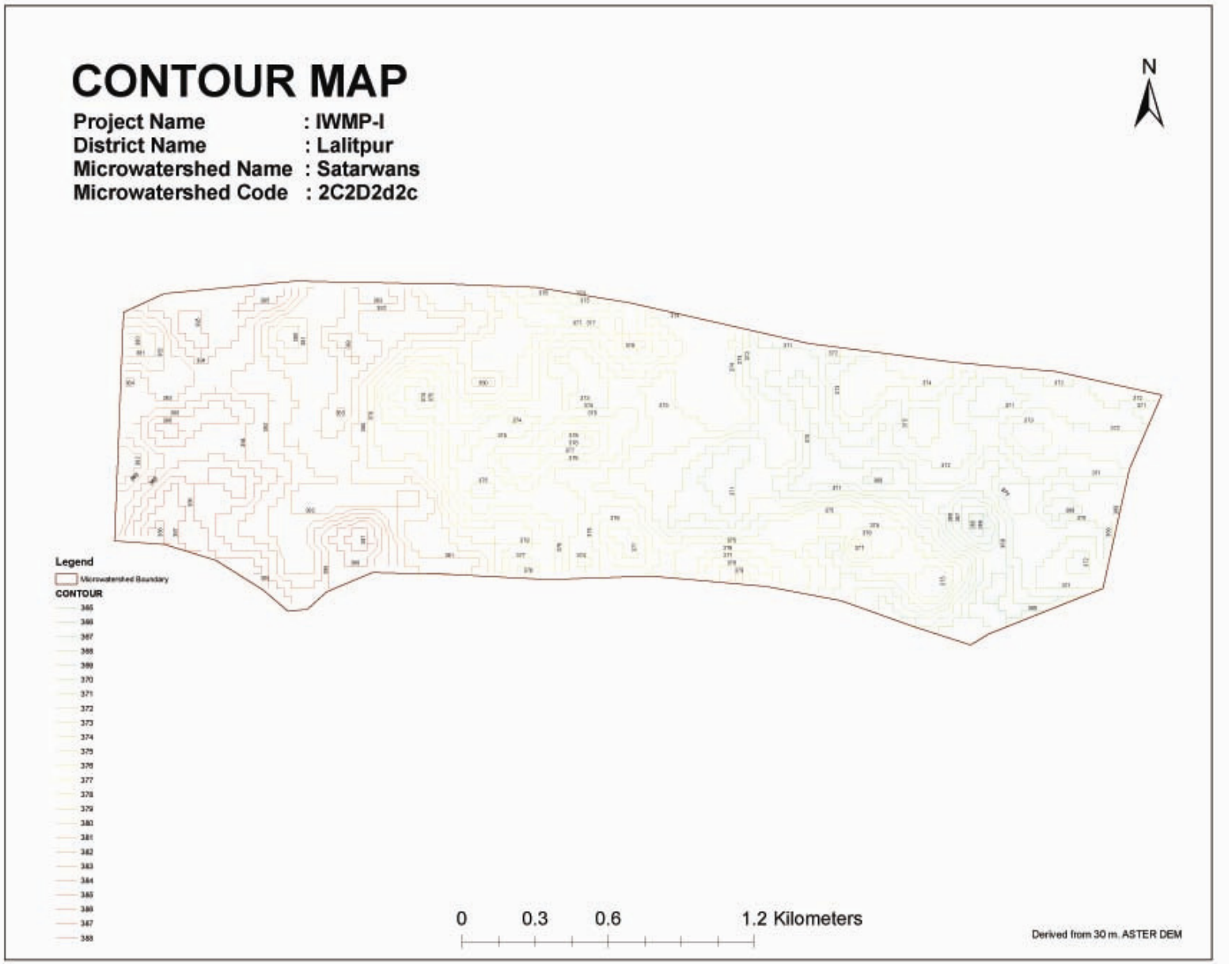
- 365
- 370
- 375
- 380
- 385

0 0.3 0.6 1.2 Kilometers

Derived from 30 m. ASTER DEM

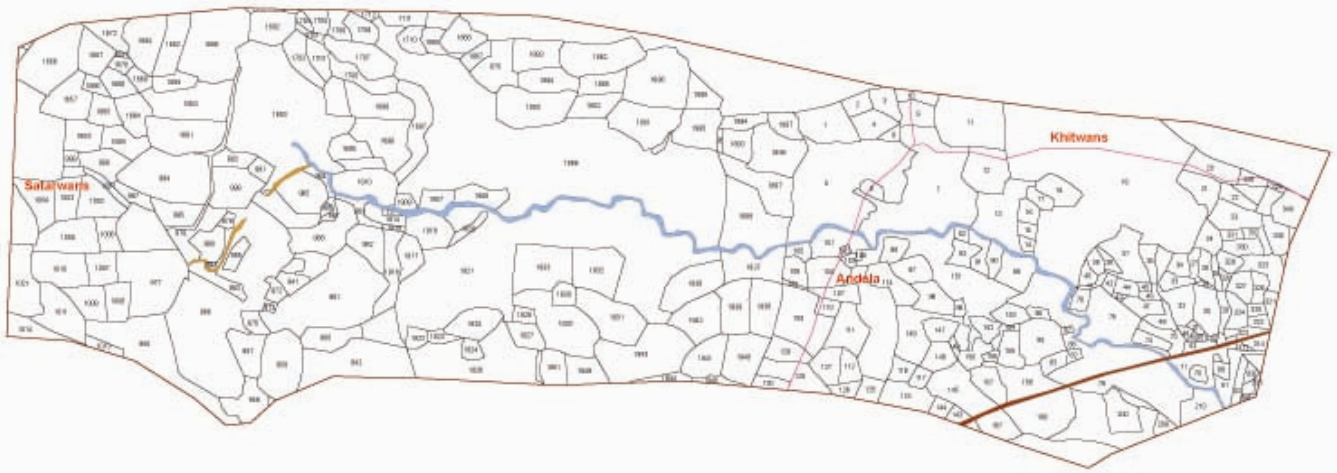
# CONTOUR MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**



# CADASTRAL MAP

**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Satarwans
**Microwatershed Code** : 2C2D2d2c



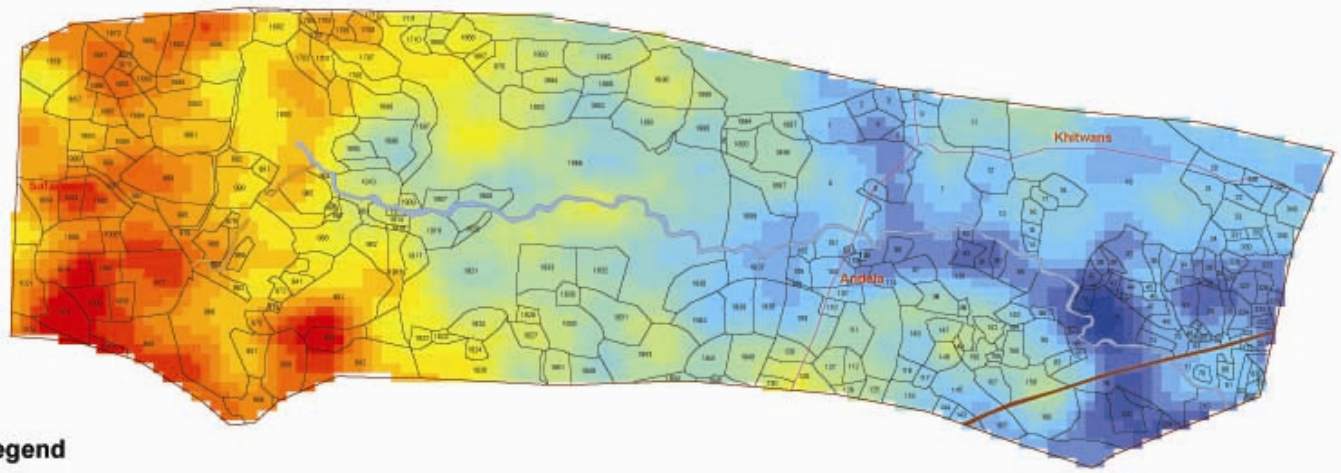

## Legend

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

0 0.3 0.6 1.2 Kilometers

# DIGITAL ELEVATION MODEL

**Project Name** : IWMP-I
**District Name** : Lalitpur
**Microwatershed Name** : Satarwans
**Microwatershed Code** : 2C2D2d2c




**Legend**

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

**dem**

**Value**

High : 388

Low : 365

0 0.3 0.6 1.2 Kilometers

Source - ASTER DEM30m

# DRAINAGE MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**

**Legend**

Microwatershed Boundary

**Drainage Order_**

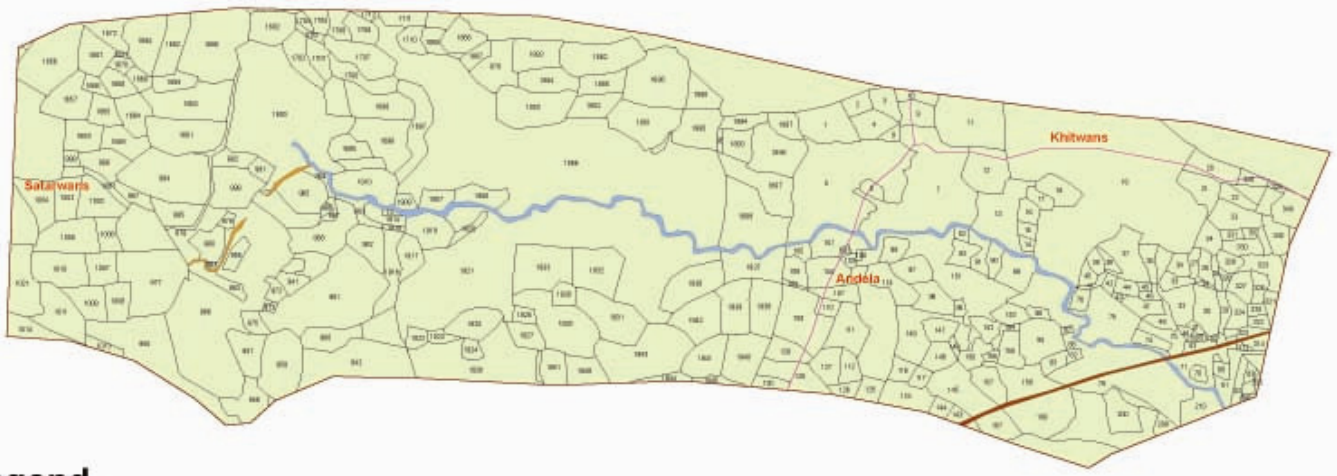
1

2

0 0.3 0.6 1.2 Kilometers

# LANDUSE MAP

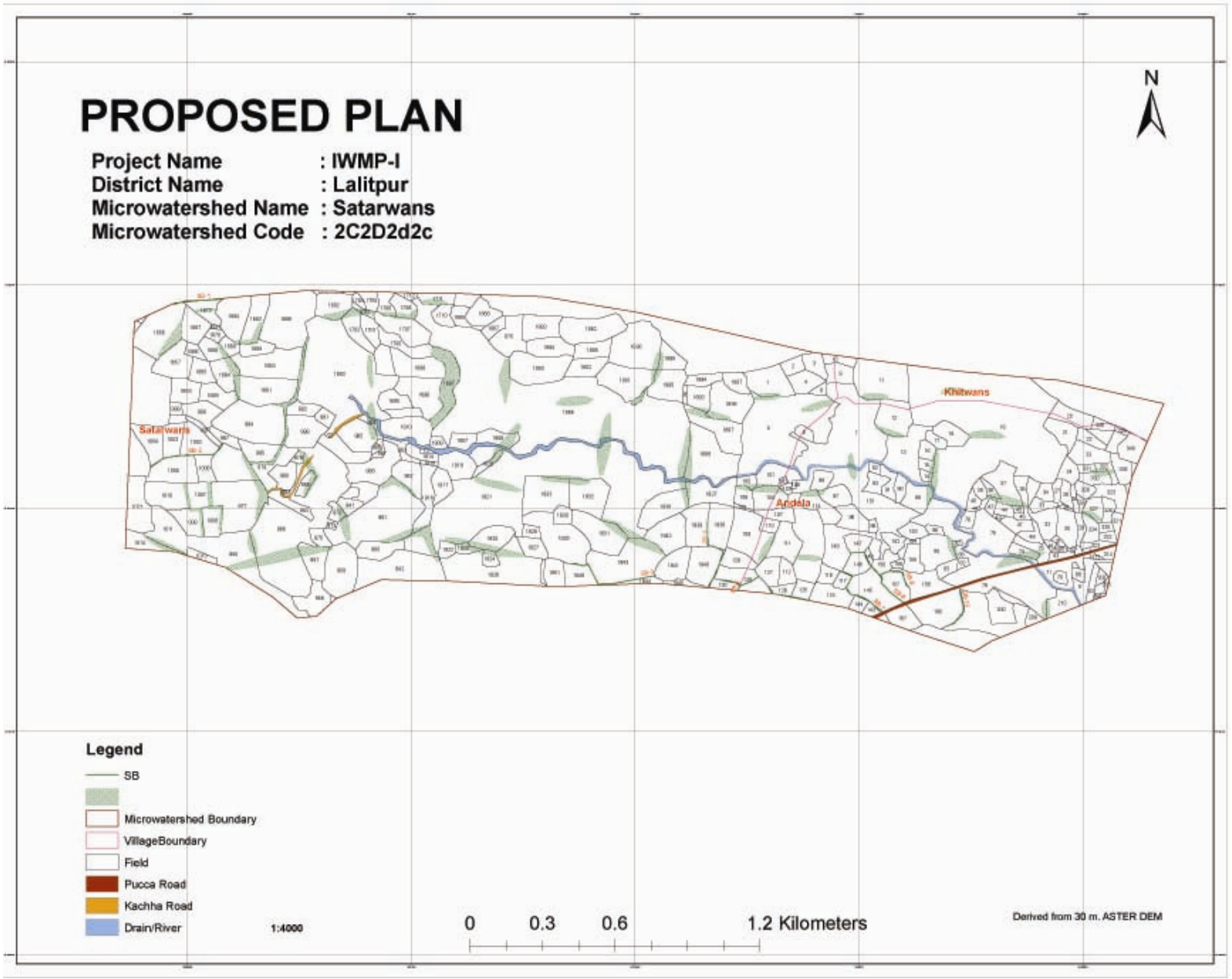
**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**




## Legend

- Microwatershed Boundary
- VillageBoundary
- Field
- Pucca Road
- Kachha Road
- Drain/River

0 0.3 0.6 1.2 Kilometers

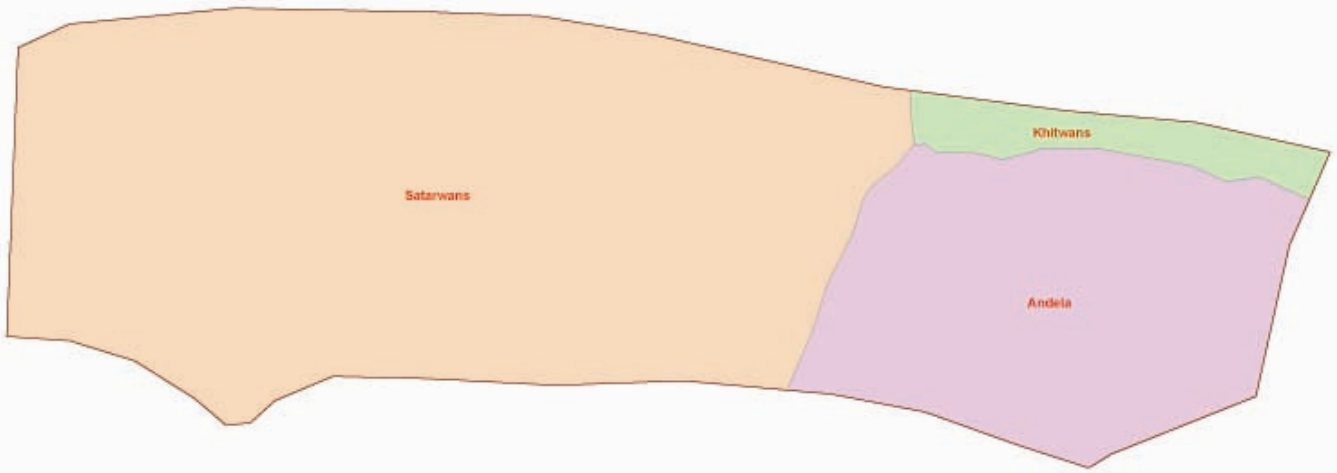

PROPOSED PLAN
Project Name : IWMP-I
District Name : Lalitpur
Microwatershed Name : Satarwans
Microwatershed Code : 2C2D2d2c
N
Satarwans
Khitwans
Andela
Legend
SB
Microwatershed Boundary
VillageBoundary
Field
Pucca Road
Kachha Road
Drain/River
1:4000
0 0.3 0.6 1.2 Kilometers
Derived from 30 m. ASTER DEM

# SLOPE MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**

# VILLAGE MAP

**Project Name : IWMP-I**
**District Name : Lalitpur**
**Microwatershed Name : Satarwans**
**Microwatershed Code : 2C2D2d2c**




## Legend

Microwatershed Boundary

**VillageBoundary**

**vill_name**

Andela

Khitwans

Satarwans

0 0.3 0.6 1.2 Kilometers