

GOVERNAMENT OF KARNATAKA



WATERSHED DEVELOPMENT DEPARTMENT
INTEGRATED WATERSHED MANAGEMENT PROGRAMME
(2009-10)

DETAILED PROJECT REPORT

PROJECT NAME : IWMP - ___ /9-10

TALUK: _____

DISTRICT: _____

Table of Content

| Chapter | Content | Page |
|---------|---|------|
| | Executive Summary | |
| 1 | Introduction and Background | |
| 2 | General Description of Project Area | |
| 3 | Baseline Survey | |
| 4 | Institution Building and Project Management | |
| 5 | Management/Action Plan | |
| 6 | Capacity Building Plan | |
| 7 | Phasing of Programme and Budgeting | |
| 8 | Consolidation Exit Strategy | |
| 9 | Expected Outcome | |

Executive Summary

- Brief about area:
- Institutional arrangements:
- Salient Project activities:

- Physical target and financial outlays:

- Treatment area and details:

- Fact sheet about bench mark indicators and action plan a glance

Executive Summary cum Checklist

| Sl. No | Item | | Details | |
|------------------|--------------------------------|-------------------------------|----------------|----------------------|
| 1 | Scheme | | | |
| 2 | District | | | |
| 3 | Taluk | | | |
| 4 | Project Name | | | |
| 5 | Sub-Watershed and Project code | | | |
| 6 | Project Period | | | |
| 9 | Project location | | | |
| 10 | Area details | | | |
| | Type of land | Total geographical area (Ha.) | Treatable area | |
| | | | Ha. | % to geographic area |
| | a. Private lands | | | |
| | b. Community lands | | | |
| | c. Reserve forest lands | | | |
| d. Revenue lands | | | | |

| Sl. No | Item | | Details | |
|--------|--|--|------------------------------|--|
| | e. Others | | | |
| | T O T A L | | | |
| 7 | Spread of the project area | | | |
| | a. Whether present sub-watersheds is in contiguous to the previous phase of the scheme? | | Yes / No | |
| | b. Does the Project follow the priority fixed in the perspective plan for watershed development in the district? | | Yes / No | |
| 8 | Site specific objectives of the project if any (other than general objectives) | | | |
| 9 | Name of the project implementing agency | | | |
| 10 | Name of the agency associated with the preparation/ implementation of the plan | | WDD / NGO / Others (Specify) | |

| | | | | | | | |
|----|---|-----------------------------|--------|--------|--------|----------------------------|---|
| 11 | Name of the persons and designations who are associated with the net/gross planning exercise of the project | 1. 2. 3. 4. | | | | | |
| 12 | Whether PRA was conducted at the time of preparing the net/gross plan and if yes, details | Yes / No GP wise details | | | | | |
| 13 | Sector wise budget allocation (Rs. in lakhs) | | | | | | |
| | Activities | 1 Year | 2 Year | 3 Year | 4 Year | 5 th Year Total | % |
| | a. Soil and water conservation | | | | | | |
| | b. Agro Forestry | | | | | | |
| | c. Dry land Horticulture | | | | | | |
| | d. Live-stock Management | | | | | | |
| | G.Fisheries | | | | | | |
| | f. Production and microenterprise | | | | | | |
| | e. Livelihood | | | | | | |
| | TOTAL | | | | | | |

| Note: Where ever possible complete project within 4 years | | |
|---|--|------------------------------|
| 14 | Names of GPs associated with the project | 1. 2. 3. 4. 5. |
| 15 | Whether the Grama Panchayats concerned have given approval for the activities included in action plan? | Yes / No GP wise |
| 16 | Who is responsible for community mobilization and training activities? | WDD / NGO / Others (Specify) |
| 17 | Is the treatment map of the sub-watershed appended to project document? | Yes / No |
| 18 | How is the social justice being addressed in this project? | |
| | a. All SFs and MFs are covered by the project | Yes / No |
| | b. All SC and STs covered by the project | Yes / No |
| | c. Gender Equity is ensured | |

| | | | | |
|----|--|-------------------------------------|----------------|--------|
| | d. Project coverage by location | Total area | Treatable area | |
| | i. Upper reaches | | | % |
| | ii. Middle reaches | | |% |
| | iii. Lower reaches | | |% |
| 19 | Method of implementation | Entire sub watershed simultaneously | | |
| 20 | Are any specific items and locations identified for the purpose of impact studies? | Yes / No | | |

Signature of the
District Watershed Development Officer,
Watershed Development Department,
..... District.

Date:

Table-1: PROFILE OF THE PROJECT

| NAME OF THE PROJECT With Code & W/S CODE NO: | | | | | |
|--|---|--------------|-------------------|---|-------------|
| (i) | Name of the State | : | | | |
| (ii) | Name of the District | : | | | |
| (iii) | Name of the blocks | : | | | |
| (iv) | Financial year of sanction | : | | | |
| (v) | Name of the Project with code | | | | |
| (v) | No of micro watersheds covered in the project | <u>Sl No</u> | <u>Name of GP</u> | <u>Micro watershed code Covered(ha)</u> | <u>Area</u> |
| | | 1 | | | |
| | | 2 | | | |
| | | 3 | | | |
| | | 4 | | | |
| | | 5 | | | |
| | | 6 | | | |
| | | 7 | | | |
| | | 8 | | | |
| | | 9 | | | |
| | | 10 | | | |

| | | | | |
|-------|---|-------|---|-------|
| (vi) | Project Duration | From: | ----- to | ----- |
| (vii) | Names of Grama Panchyats included | | 1. 2. 3. 4. 5. | |
| (vii) | Names & Census Code of Villages Covered | | 1 2. 3. 4. 5. 6. 7. 8. 9. 10 | |

| | | |
|--------|---|------------------|
| (viii) | Four major reasons for Selection of Sub Watershed | 1 2 3 4 |
| (ix) | Name Address & Phone No.of the PIA (s) | |
| (x) | Date of approval of Watershed Development Plan by DPC | |
| (xi) | Area of the Project(ha) | |
| (xii) | Area proposed to be treated (ha) | |
| (xiii) | Project Cost (Rs. lakhs) | |

Table -2: Details of the types of areas covered under the project (Area in ha)

| 1 | 2 | 3 | 4 | | 5 | | | | | |
|---------|---------------------|-----------------|--------------------------------|-------------------------|--|---------------|------------|----------------|--------|-------|
| Sl. No. | Area of the project | Code Nos of MWS | Land Use type of proposed Area | | Ownership Pattern of the proposed area | | | | | |
| | | | Cultivated rain fed area | Uncultivated waste land | | Pvt.agri.land | Forestland | Community land | Others | Total |
| | | | | Temporary fallow | Permanent fallow | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Table -3: Details of the types of areas covered under the project (Area in ha)

| 1 | 2 | 3 | 4 | | | | | 5 | | | |
|--------|---------------------|-----------------|-----------------------------|----|----|----------|-------|------------------------------------|------|--------------|------|
| Sl.No. | Area of the project | Code Nos of MWS | No.of Beneficiaries Covered | | | | | Identified DPAP/DDP Blocks Covered | | | |
| | | | MF | SF | LF | Landless | Total | DPAP | | DDP | |
| | | | | | | | | No.of blocks | Area | No.of blocks | Area |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Table:4: Details of areas of micro-watersheds covered under the watersheds programme (ha) of DoLR in the State (A) pre-IWMP, (B)under IWMP (C) under other Ministries and (D) Total area (ha) covered under the watershed programme of DoLR: State-wise :

| 1 | 2 | | 3 | | | | | | | | 4 | | | |
|---------------------|--|-----|----------------------------------|-----|------------------|-----|-----------------------------------|-----|---------------|-----|--------------------------------|--|---------------------------------------|--|
| | Total micro watersheds in the District | | Micro-watersheds# covered so far | | | | | | | | | | Net watersheds to be covered | |
| | | | Dept. of Land Resources | | | | Other Ministries/ Depts. | | | | Total watersheds covered | | | |
| | | | Pre-IWMP projects | | IWMP projects | | Any other watershed project | | | | | | | |
| No. | Area (ha.) | No. | Area (ha.) | No. | Area (ha.) | No. | Area (ha.) | No. | Area (ha.) | No. | Area (ha.) | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Total for SWS | | | | | | | | | | | | | | |

Table 5: Demographic information: Total population, sex and caste distribution:

| 1 | 2 | 3 | 4 | 5 | | | | | | | | | | | | | |
|---------|-------------------------------|------------------------|----------------------------|------------------|---|---|----|---|---|--------|---|---|-------|---|---|--|--|
| Sl. No. | Name of the project with code | Name of Gramapanchayat | Name of the Village/hamlet | Total Population | | | | | | | | | | | | | |
| | | | | SC | | | ST | | | Others | | | TOTAL | | | | |
| | | | | M | F | T | M | F | T | M | F | T | M | F | T | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| | Total for SWS | | | | | | | | | | | | | | | | |

Data source:

M=Male; F=Female; T=Total

Population density and literacy levels among the male and female and among Different social classes should also be mentioned.

Table 6: Details of flood and drought in the project areas of the Project area during last 5 years

| 1 | 3 | 4 | 5 | 6 | | 7 |
|---------|-----------------|-------------|---------------------|-------------|----------------------------|--------------|
| Sl. No. | Name of project | Particulars | Villages | Periodicity | | Not affected |
| | | | | Annual | Any other (please specify) | |
| | | Flood | No. of villages | | | |
| | | | Name(s) of villages | | | |
| | | Drought | No. of villages | | | |
| | | | Name(s) of villages | | | |

Data source:

From Column nos. 6 & 7, total no. of villages,

Table 7: Details of soil erosion in the project areas of the Block*:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------|-----------------|--------------------------|-----------------|--------------------|--------------------|--------------------------------------|
| Sl. No. | Name of project | Cause | Type of erosion | Area affected (ha) | Run off (mm/ year) | Average soil loss (Tonnes/ ha/ year) |
| | | Water erosion | | | | |
| | | a | Sheet | | | |
| | | b | Rill | | | |
| | | c | Gully | | | |
| | | Sub-Total | | | | |
| | | Wind erosion | | | NA | |
| | | Total for project | | | | |

Data source:

Table 8: Flora and fauna: Details on domesticated animals:

| 1 | 2 | 3 | 4 | | | | | | | | 5 |
|---------------|-----------------------------------|---------------------|-----------------|------|-----------|-------|------|------|---------|--------|-------|
| Sl. No. | SWS Code No./ Name of the Project | Name of the village | Types | | | | | | | | Total |
| | | | Draught animals | Cows | Buffaloes | Sheep | Goat | Pigs | Donkeys | Others | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Total for SWS | | | | | | | | | | | |

Data source:

Table 9: Details of infrastructure in the project areas in the sub watershed of Block_____Dist_____

| 1 | | 2 | 3 | | 4 | | | |
|---------|--|-------------------------------|------------|--|--------|-----|------|------|
| Sl. No. | | Name of project with SWS code | Parameters | | Status | | | |
| | | | (i) | No. of villages connected to the main road by an all-weather road | | | | |
| | | | (ii) | No. of villages provided with electricity | | | | |
| | | | (iii) | No. of households without access to drinking water | | | | |
| | | | (iv) | No. of educational institutions : Primary(P)/ Secondary(S)/ Higher Secondary(HS) / vocational institution(VI) | (P) | (S) | (HS) | (VI) |
| | | | (v) | No. of villages with access to Primary Health Centre | | | | |
| | | | (vi) | No. of villages with access to | | | | |

| | | | | | | | | |
|--|--|--|--------|--|-----|-----|------|-----|
| | | | | Veterinary Dispensary | | | | |
| | | | (vii) | No. of villages with access to Post Office | | | | |
| | | | (viii) | No. of villages with access to Banks | | | | |
| | | | (ix) | No. of villages with access to Markets/ mandis | | | | |
| | | | (x) | No. of villages with access to Agro-industries | | | | |
| | | | (xi) | Total quantity of surplus milk | | | | |
| | | | (xii) | No. of milk collection centres (e.g. Union(U)/ Society(S)/ Private agency(PA)/ others (O)) | (U) | (S) | (PA) | (O) |
| | | | (xiii) | No. of villages with access to Anganwadi Centre | | | | |
| | | | (xiv) | Any other facilities with no. of villages (please specify) | | | | |

Data source:

Table 10: Details of land holding pattern in the project areas in the sub watershed of Block_____Dist_____

| 1 | 2 | 3 | 4 | 5 | 6 | | |
|--------|---------------------|----------------------|-------------------|-----------------------|-------------------|---------|-------|
| S. No. | Name of the project | Type of Stakeholder | No. of households | No. of BPL households | Land holding (ha) | | |
| | | | | | Irrigated | Rainfed | Total |
| | | I. Large farmer | | | | | |
| | | II. Small farmer | | | | | |
| | | III. Marginal farmer | | | | | |
| | | IV. Landless person | | | | | |
| | | Sub-Total | | | | | |

Data source:

Table 11: Details of Common Property Resources of the project areas in the sub watershed of Block _____ Dist _____

| 1 | 2 | 3 | 4 | | | | 5 | | | | |
|-------|-----------------|-----------------------------------|--|------------------------|-------|-------------------------|-----------------------------------|------------------------|-------|-------------------------|--|
| S. No | Name of project | CPR Particulars | Total Area (ha) Area owned/ In possession of | | | | Area available for treatment (ha) | | | | |
| | | | Pvt. persons | Govt. (specify deptt.) | P R I | Any other (Pl. Specify) | Pvt. persons | Govt. (specify deptt.) | P R I | Any other (Pl. Specify) | |
| | | I. Wasteland/ degraded land | | | | | | | | | |
| | | II. Pastures | | | | | | | | | |
| | | III. Orchards | | | | | | | | | |
| | | IV. Village Woodlot | | | | | | | | | |
| | | V. Forest | | | | | | | | | |
| | | VI. Village a)Ponds b)Tanks | | | | | | | | | |
| | | VII. Community | | | | | | | | | |

| | | | | | | | | | | |
|--|--|----------------------------------|--|--|--|--|--|--|--|--|
| | | Buildings | | | | | | | | |
| | | VIII. Weekly Markets | | | | | | | | |
| | | IX. Permanent markets | | | | | | | | |
| | | X. Temples/ Places of worship | | | | | | | | |
| | | XI Others (Pl. specify) | | | | | | | | |

Table 12: Details of the project implementing agency(s)

| 1 | 2 | |
|--------|--------------------------|--|
| Sl.No. | Particulars of PIA | |
| 1 | Date of Selection of PIA | |
| 2 | Type of Organization # | |
| 3 | Name of Organization | |
| 4 | Designation and Address | |
| 5 | Telephone | |
| 6 | Fax | |
| 7 | E-mail | |

Only letter assigned to each type, as given below, needs to be typed

A- Line dept., B- Autonomous organization, C- Govt. Institute, D- Research bodies,
E- Zilla parishad, F- Intermediate Panchayat, G- Voluntary Organizations, H- Any Other

Table 13: Details Of Watershed Development Teams (WDTs) In The Project Area

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------|-------------|----------------------|-----|-----|----------------------------|--------------------------------------|-------------------|-----------------------------------|
| Sl No. | Name of PIA | Names of WDT Members | M/F | Age | Qulification/ Experiarence | Description of professional training | Role function # # | Date of appointment of WDT Member |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

In column 8, only the letter assigned, as below, needs to be typed, except for “J” where the type may be specifically mentioned

- | | |
|---|---|
| A. PNP and PRA | B. Planning |
| C. Maintenance of Accounts | D. Signing of the cheques and making payments |
| E. Supervision of Construction activities | F. Cost estimation |
| G. Verification & measurement | H. Record of labour employed |
| I. Social audit | J. Any other (please specify) |

Table 14: Details of watershed committees (WC)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------|------------|-------------|-------|----|----|-----|----|----|-----------|----|-----|----|-----------|-------------------------|-----------------------------|
| Sl no | Name of WC | Designation | M / F | SC | ST | S F | MF | LF | Land less | UG | SHG | GP | Any other | Education qualification | Function (s)assigned # # |
| | | President | | | | | | | | | | | | | |
| | | treasurer | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | |
|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |
| | | Member | | | | | | | | | | | | | |

In column 16, only the letter assigned, as below, needs to be typed, except for “J” where the type may be specifically mentioned

- A. PNP and PRA
- B. Planning
- C. Maintenance of Accounts
- D. Signing of the cheques and making payments
- E. Supervision of Constrution activities
- F. Cost estimation
- G. Verification & measurement
- H. Record of labour employed
- I. Social audit
- J. Any other (please specify)

WATER BUDGETING

1. Watershed information:
 - a. Watershed area:
 - b. Mean annual rainfall:
 - c. Run off inducing rainfall:
 - d. Runoff inducing rainy days:
 - e. Already constructed structures:
 - f.
2. Run off

$$Q \text{ (Cu.Me)} = \frac{\text{Catchment Area (ha)} \times \text{Run of Rain (mm)} \times 10,000}{4 \times 1000}$$

Note: 25% of runoff is considered.

Table 15 A: Amount of water stored in different structures already existing

| 1 | 2 | 3 | 4 |
|---------|------------|-----|-------------------------|
| Sl. No. | Details | No. | Storage capacity in tmc |
| 1 | Check Dams | | |
| 2 | Nala bunds | | |
| 3 | Gokatte | | |
| 4 | MI Tank | | |
| | Total | | |
| | | | |

3. The quantity of water stored in proposed structures:
 - a. Farm bunding - Volume of water stored =
 - b. Farm pond =
 - c. RRS & CDs =
 - d.

Table 15 B: New structures proposed:

| 1 | 2 | 3 | 4 |
|---------|-------------|-----|-------------------------|
| Sl. No. | Details | No. | Storage capacity in tmc |
| 1 | Field bunds | | |
| 2 | Farm ponds | | |
| 3 | CDs | | |
| 4 | Nala bunds | | |
| 5 | MI Tank | | |
| | Total | | |

Note: Structures should be planned to harvest 60% of the runoff.

Abstract:

- A. Total quantity of water flow from watershed:
- B. Total quantity of water stored in existing structures:
- C. Quantity of water available for additional storage at 60% of the total runoff:
- D. Remaining water flow out of watershed:

Footnote: Procedure suggested in the technical manual could be followed.

CHAPTER - 1

INTRODUCTION AND BACKGROUND

- Project Background, Project Location number of micro watershed with code, Total area and treatable area, livelihood
- Need and Scope for Watershed Development
- Weightage for selection of Watershed (as per DoLR's instructions already issued)
- Watershed Information
- Status of previous watershed programmes & other development project in the area

Note: Ensure that information for MIS table supplied by DoLR is reflected in relevant parts of DPR

CHAPTER - 2

GENERAL DESCRIPTION OF PROJECT AREA

- Location: longitude, latitude, state, District, Taluk, Block, Villages, Approach road, land mark (watershed location map), etc.
- Area: under major land uses, irrigated and rainfed area, etc.

Table-16: Area not available for treatment:

| 1 | 2 | 3 | 4 | 5 | | | | | | 6 | |
|---------|-------------------------------|------------|---------------------|-------------------------|---------------------------------------|----------------------|-----------------------------|--|---------------|-------|---------------------|
| Sl. No. | Name of the project with code | Name of GP | Name of the village | Total geographical area | Area not available for treatment (Ha) | | | | | | Treatable area (Ha) |
| | | | | | Thickly wooded RF area | Canal irrigated area | Large water bodies (>40 ha) | Extensive private orchards and groves (blocks of >40 ha) | Township area | Total | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

- Physiography: Elevation range, Slope range, Order of watershed, Major stream, Toposequence.
- Climate : Average monthly rainfall, rainfall distribution, temperature, wind velocity, Open pan evaporation (mm per day), humidity, etc.

Table 17: Climatic information: Monsoons, seasonal average rainfall (Table), mini/ max temperatures, Drought/flood occurrence, no. of run off generating rainy days, etc. :

| 1 | 2 | | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | 9 | | 10 | | 11 | | 12 | |
|--------------|--------|---|--------|---|--------|---|--------|---|--------|---|--------|---|--------|---|--------|---|--------|---|---------|---|------|---|
| Month | Year 1 | | Year 2 | | Year 3 | | Year 4 | | Year 5 | | Year 6 | | Year 7 | | Year 8 | | Year 9 | | Year 10 | | Mean | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| Jan | | | | | | | | | | | | | | | | | | | | | | |
| Feb. | | | | | | | | | | | | | | | | | | | | | | |
| Mar | | | | | | | | | | | | | | | | | | | | | | |
| Apr | | | | | | | | | | | | | | | | | | | | | | |
| May | | | | | | | | | | | | | | | | | | | | | | |
| June | | | | | | | | | | | | | | | | | | | | | | |
| July | | | | | | | | | | | | | | | | | | | | | | |
| Aug | | | | | | | | | | | | | | | | | | | | | | |
| Sept | | | | | | | | | | | | | | | | | | | | | | |
| Oct | | | | | | | | | | | | | | | | | | | | | | |
| Nov | | | | | | | | | | | | | | | | | | | | | | |
| Dec. | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | |
| Mean | | | | | | | | | | | | | | | | | | | | | | |

Note: 1=No.of rainy days; 2=Rainfall in mm : *Data source:* (Indicate whether it indicates any specific locational data or average).

- Watershed characteristics: Shape index of watershed, Length of main stream, drainage density, average slope, watershed relief, perimeter of the watershed etc.

CHAPTER - 3

BASELINE SURVEY

- Socio-Economic conditions
- Soil and Land Use
- Agriculture including area, productivity, cropping intensity, etc.
- Horticulture
- Livestock and Fisheries
- Forests and Grass land
- Livelihood Status
- Hydrology and Water Resources

- Soil and Moisture Conservation and Efficient use of Water

- Problems and Needs

(Above may be collected from secondary sources, PRA exercise and if required by supplementing primary sources on sample basis)

CHAPTER - 4

INSTITUTION BUILDING AND PROJECT MANAGEMENT

- PRA
- Social Mobilization and Community Organization by Constitution of -

WATERSHED COMMITTEE:

Table-18 {Table :M(IS)8}:Details of Watershed Committees (WC) in the country: State-wise*

| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---------|-----------------|------------|-------------|-----|----|----|----|----|----|-----------|----|-----|----|-----------|---------------------------|------------------------|
| Sl. No. | Name of project | Name of WC | Designation | M/F | SC | ST | SF | MF | LF | Land-less | UG | SHG | GP | Any other | Educational qualification | Function/s assigned### |
| | | | President | | | | | | | | | | | | | |
| | | | Treasurer | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |
| | | | Member | | | | | | | | | | | | | | |

In column 18 only the letter assigned, as below, needs to be typed, except for `J', where the type may be specifically mentioned.

- | | |
|---|---|
| A. PNP and PRA | B. Planning |
| C. Maintenance of Accounts | D. Signing of cheques and making payments |
| E. Supervision of construction activities | F. Cost Estimation |
| G. Verification & Measurement | H. Record of labour employed |
| I. Social Audit | J. Any other (please specify). |

About PIA:

Table-21 {Table :M(IS)7}:Details of Watershed Development Teams (WDTs) in the project areas of the country: State-wise*

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|-----------------|----------------------|------|-----|----------------------------|--------------------------------------|------------------|
| S. No. | Name of project | Names of WDT members | M/F# | Age | Qualification / Experience | Description of professional training | Role/ Function## |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

M – Male, F - Female

In column 10, only the letter, assigned as below, needs to be typed, except for `J', where the type may be specifically mentioned.

- | | |
|--|--|
| A. Participatory Net Planning (PNP) and Participatory Rural Approach (PRA), Training and Capacity Building | C. Maintenance of Accounts |
| B. Planning | E. Social audit |
| D. Signing of cheques and making payments | G. Physical verification & measurement |
| F. Engineering surveys, drawings and cost estimations | I. Livelihood opportunities for landless |
| H. Record of labour employed | K. Any other (please specify) |
| J. Post project operation, maintenance of assets | |

- Project Implementation Strategy including coordination and monitoring of implementation process, DPCs and other coordination mechanism:

- Convergence of watershed Programmes:

→Identify and list Central/State sponsored schemes being implemented and could be converged with watershed programmes together with their fund allocation during XI plan.

→Prepare a matrix of major components of on-going and new schemes, which can be converged with watersheds.

→Convergence mechanism at planning and implementation level to be discussed.

CHAPTER - 5

MANAGEMENT / ACTION PLAN

Preparatory phase

- Entry point activity

Table-22 {Table :M(PA)A1}:Entry Point Activities (EPA) as on (mm/dd/yyyy)

(All financial figures in lakh Rs.)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------|-----------------|--------------------------|--------------------------------|----------------|----------------------|---------|------------------|----------------|
| S. No. | Name of project | Amount earmarked for EPA | Entry Point Activities planned | Estimated cost | Expenditure incurred | Balance | Expected outcome | Actual outcome |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Institution and capacity building:

Table-23 {Table :M(PA)B2}:Activities related to recharging ground water resources in the project areas of the Country: State-wise as on mm/dd/yyyy) ®

| 1 | 2 | 3 | 4 | | 5 | | | | | | | 6 | | | | | | 7 | | |
|-----|---------------------------|-------------------------------|-------------|---------------------|---|---------------------------|----------------|---|----------------|-----|---------------------|----------------------------|---|---------------------|----------------------|---|----------------------|---|-------------------|--|
| | | | Pre-project | | Proposed target | | | | | | | Achievement due to project | | | | | | | | |
| | | | No. | Area irrigated (ha) | Augmentation/repair of existing recharging structures | | | Construction of new recharging structures | | | Total target | | Augmentation/repair of existing recharging structures | | | Construction of new recharging structures | | | Total achievement | |
| No. | Area to be irrigated (ha) | Estimated cost | | | No. | Area to be irrigated (ha) | Estimated cost | Area to be irrigated (ha) | Estimated cost | No. | Area irrigated (ha) | Expenditure incurred | No. | Area irrigated (ha) | Expenditure incurred | Area irrigated (ha) | Expenditure incurred | | | |
| | | (i)Open wells | | | | | | | | | | | | | | | | | | |
| | | (ii)Bore wells | | | | | | | | | | | | | | | | | | |
| | | (iii)Any others (Pl. specify) | | | | | | | | | | | | | | | | | | |
| | | Total for the project | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

® Information on private & public/ community assets may be shown separately

➤ **Works Phase**

- Soil and moisture conservation/ catchment treatment:
- Rain water harvesting including drainage line treatment:
- Agriculture land:
- Waste/degraded land:
- Forests lands including fringe forest areas:
- Special problems (Landslide/slips etc.) if any:

- Crop diversification and intensification of production / farming systems:
- Water resources development and management :
- Horticulture development plan including sericulture /aromatics etc:
- Livelihood activities for Landless and Assetless both land and non-land based:
- Livestock development including fodder development:
- Fisheries development in watersheds:

- Development of micro enterprises :
- Marketing Linkages :
- Convergence of programmes:
- Crops / farming system demonstrations:
- Other area specific interventions:

➤ **Convergence Planning for various activities**

Table-24 A: Grama panchayat wise action plan for Upper reaches in Private land (IWMP)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Area (in ha) | Location | Name of User Group | Activity | Type/Variety | Dimensions | Unit | Unit Cost (Rs) | No of Units | Total Cost of Activities | Contribution | Water storage Capacity (cu.mtr) |
|-------|-------|--------------|----------|--------------------|----------|--------------|------------|------|----------------|-------------|--------------------------|--------------|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Table-24 C: Grama panchayat wise action plan for Upper reaches in Drainage lines (IWMP)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Area (in ha) | Activity | Type/Variety | Dimensions | Unit | Unit Cost (Rs) | No of Units | Total Cost of Activities | Water storage Capacity (cu.mtr) | No of beneficiaries |
|-------|-------|--------------|----------|--------------|------------|------|----------------|-------------|--------------------------|---------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Table-25 A: Grama panchayat wise action plan for Middle reaches in Private lands (IWMP)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Area (in ha) | Location | Name of User Group | Activity | Type/Variety | Dimensions | Unit | Unit Cost (Rs) | No of Units | Total Cost of Activities | Contribution | Water storage Capacity (cu.mtr) |
|-------|-------|--------------|----------|--------------------|----------|--------------|------------|------|----------------|-------------|--------------------------|--------------|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Table-25 C: Grama panchayat wise action plan for Middle reaches in Drainage lines (IWMP)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Area (in ha) | Activity | Type/Variety | Dimensions | Unit | Unit Cost (Rs) | No of Units | Total Cost of Activities | Water storage Capacity (cu.mtr) | No of beneficiaries |
|-------|-------|--------------|----------|--------------|------------|------|----------------|-------------|--------------------------|---------------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Table-27 : Grama panchayat wise and sector wise abstract of Action plan for IWMP

Name of the GP:

Rs in lakhs

| SL No | Sectors | | Upper Reaches * | | Middle Reaches * | | Lower Reaches * | | Total | |
|-------|-----------------------------|------|-----------------|---------------|------------------|---------------|-----------------|---------------|----------|---------------|
| | | | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Soil and Water Conservation | Ha | | | | | | | | |
| | Soil and Water Conservation | No.s | | | | | | | | |
| | Soil and Water Conservation | RMT | | | | | | | | |
| 2 | Horticulture | Ha | | | | | | | | |
| | Horticulture | No.s | | | | | | | | |
| | Horticulture | RMT | | | | | | | | |
| 3 | Forestry | Ha | | | | | | | | |
| | Forestry | No.s | | | | | | | | |
| | Forestry | RMT | | | | | | | | |

| | | | | | | | | | | |
|---|-------------|------|--|--|--|--|--|--|--|--|
| 4 | Live stock | Ha | | | | | | | | |
| | Live stock | No.s | | | | | | | | |
| | Live stock | RMT | | | | | | | | |
| 5 | Fisheries | Ha | | | | | | | | |
| | Fisheries | No.s | | | | | | | | |
| | Fisheries | RMT | | | | | | | | |
| 6 | Others | Ha | | | | | | | | |
| | Others | No.s | | | | | | | | |
| | Others | RMT | | | | | | | | |
| | Grand Total | Ha | | | | | | | | |
| | Grand Total | No.s | | | | | | | | |
| | Grand Total | RMT | | | | | | | | |

* It includes Private land, Common land and Drainage line

Table-28 : Project wise and sector wise abstract of Action plan for IWMP

Rs in lakhs

| SL No | Sectors | | Upper Reaches * | | Middle Reaches * | | Lower Reaches * | | Total | |
|-------|-----------------------------|------|-----------------|---------------|------------------|---------------|-----------------|---------------|----------|---------------|
| | | | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) | Physical | Fin (Lakh Rs) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Soil and Water Conservation | Ha | | | | | | | | |
| | Soil and Water Conservation | No.s | | | | | | | | |
| | Soil and Water Conservation | RMT | | | | | | | | |
| 2 | Horticulture | Ha | | | | | | | | |
| | Horticulture | No.s | | | | | | | | |
| | Horticulture | RMT | | | | | | | | |
| 3 | Forestry | Ha | | | | | | | | |
| | Forestry | No.s | | | | | | | | |
| | Forestry | RMT | | | | | | | | |

| | | | | | | | | | | |
|---|-------------|------|--|--|--|--|--|--|--|--|
| 4 | Live stock | Ha | | | | | | | | |
| | Live stock | No.s | | | | | | | | |
| | Live stock | RMT | | | | | | | | |
| 5 | Fisheries | Ha | | | | | | | | |
| | Fisheries | No.s | | | | | | | | |
| | Fisheries | RMT | | | | | | | | |
| 6 | Others | Ha | | | | | | | | |
| | Others | No.s | | | | | | | | |
| | Others | RMT | | | | | | | | |
| | Grand Total | Ha | | | | | | | | |
| | Grand Total | No.s | | | | | | | | |
| | Grand Total | RMT | | | | | | | | |

* It includes Private land, Common land and Drainage line

Table-30 A: Grama Panchayat wise action plan repair/renovation of existing structures works in private lands (MGNREGA)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Reaches (upper: Middle: Lower) | Name of User Group | Activity | Type/Variety | Dimensions | Unit | Unit cost | No.of Units | Total cost |
|-------|-------|---|--------------------------|----------|--------------|------------|------|-----------|-------------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Table-30 B: Grama Panchayat wise action plan repair/renovation of existing structures works in Common lands (MGNREGA)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Reaches (upper: Middle: Lower) | Activity | Type/Variety | Dimensions | Unit | Unit cost | No.of Units | Total cost |
|-------|-------|---|----------|--------------|------------|------|-----------|-------------|------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Table-30 C: Grama Panchayat wise action plan for repair/renovation of existing structures in drainage lines (MGNREGA)

Name of the GP:

Rs in lakhs

| SL No | SY.NO | Reaches (upper: Middle: Lower) | Activity | Type/Variety | Dimensions | Unit | Unit cost | No.of Units | Total cost |
|-------|-------|---|----------|--------------|------------|------|-----------|-------------|------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

CHAPTER - 6

CAPACITY BUILDING PLAN

CHAPTER - 7

PHASING OF PROGRAMME AND BUDGETING

- Administrative cost (As per Common Guidelines)
- Monitoring and Evaluation
- Physical and Financial - Targets & Out lays
- Year wise Plan/Activities for development of watersheds
- Year wise Financial requirements for developmental activities
- Details of convergence with other schemes - Physical & Financial
- Benefit cost Analysis

CHAPTER - 8

CONSOLIDATION / EXIT STRATEGY

Consolidation and completion of various works, Building the capacity of the community based organizations to carry out the new agenda items during post project period, Sustainable management of (developed) natural resources, up-scaling of successful experience regarding farm production systems/off-farm livelihoods, etc.

CHAPTER - 9

EXPECTED OUTCOME

➤ Some quantifiable indicators for outcomes of the programme are:

- Areas brought under single/multiple cropping, productivity and production of crops, horticulture, livestock, fodder, agro-forestry, fisheries products, farming systems, land use and commodity /crop diversification, wasteland area brought under cultivation, etc.
- Changes in water availability (surface storage and ground water table), quality of water, irrigated area, per capita income, creation of livelihood opportunities, out migration, cropping intensity, feed and fodder availability, etc
- Environmental impact: Change in soil loss, the perennality of flow and reducing peak flows, recharge of ground water, drinking water availability, etc.
- Employment generation: casual and regular, SHGs constituted, types of livelihood activities generated.

Table-31: Employment Generation

| 1 | 2 | 2a | 3 | | | | | | | | | | 4 | | | | | | |
|-------------|------------|-----------------|-----------------|----|--------|-------|-------|---------------------|----|--------|-------|-------|---------------------|----|--------|-------|-------|--|--|
| Sl No | Name of GP | Name of Villges | wage employment | | | | | | | | | | Self employment | | | | | | |
| | | | No of man days | | | | | No of beneficiaries | | | | | No of beneficiaries | | | | | | |
| | | | SC | ST | others | Women | Total | SC | ST | others | Women | Total | SC | ST | others | Women | Total | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Grand total | | | | | | | | | | | | | | | | | | | |

Table-32: Details of seasonal migration from project area: Pre-project status

| 1 | 2 | 2a | 3 | 4 | 5 | 6 | | 7 |
|-------------|------------|-----------------|-------------------------|----------------------------------|-------------------------------|---|--------------------|---|
| Sl No | Name of GP | Name of Villges | No of persons migrating | No of days per year of migration | major reason(s) for migrating | For reduced migration identify major activities of IWMP responsible | | Expected reduction in No of persons migrating |
| | | | | | | (a) Structures | (b) Livelihoods | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Grand total | | | | | | | | |

Table-33: Details of seasonal migration from project area: Pre-project status

| 1 | 2 | 2a | 3 | 4 | | 5 | | | |
|-------|------------|------------------|---------------------|------------------------------|------------------|-------------------------------------|----|--------|-------|
| Sl No | Name of GP | Name of Villages | Particular of CPR @ | If agreement signed \$ | | Expected no of beneficiary families | | | |
| | | | | date of signing of Agreement | Nature of Right# | SC | ST | others | Total |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

@ In column no.3 the categories given in the table no.M (SP) 10, column 5 may be filled as required

\$ If agreement not signed, please fill NA

In column no 4, only the letter assigned to each type, as given below, needs to be typed

- F for right to fishing (culture, harvest and sale
- FW for right to collect fire wood for domestic purpose
- G for right of grazing cattle
- MFP for right collect and sell minor forest product
- P for right to passeg across the CPR
- Rd for right to construct road to access to individual property
- S/M for right collect and sell sand and minerals
- So for right collect soil for nursery and plantation activities and construction
- T for right to collect timber for construction of house
- Wd for right to collect/use water for drinking
- Wi for right to use water fro irrigation
- O for right to other than indicated above (Please specify)

Table-34: Details of average ground water table depth in the project areas (in meters)

| 1 | 2 | 2a | 3 | 4 | 5 | 6 |
|-------|------------|-------------------|-----------------------------|-------------------|-----------------------------|---------|
| Sl No | Name of GP | Names of Villages | Sources | Pre-project level | Expected post-project level | Remarks |
| | | | Open wells | | | |
| | | | Bore wells | | | |
| | | | Others (Please specify) | | | |

The data must be based on the of average ground water table depth collected by PIA with the help of concerned technical expert in the same sample of 10% selected wells and bore wells in the villages in the watershed project area, during pre-project.

Table-35: Status of Drinking water*

| 1 | 2 | 2a | 3 | | 4 | | 5 |
|-------|------------|-----------------|---|-----------------------|---------------------------|-----------------------|----------|
| Sl No | Name of GP | Name of Villges | Availability of drinking water (no of months in 3 year) | | Quality of drinking water | | Comments |
| | | | Pre-project | Expected post-project | Pre-project | Expected post-project | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* From column no.2a, total no of villages implementing the programme, from column no.3, average no of months may be given at the end of the table for the entire project

Table-36: Details Of kharif crop area and yield in the project areas*

| 1 | 2 | 2a | 3 | 4 | | | | | | 5 | | | | | |
|-------|------------|-----------------------|-------------------|-------------|----|-----------------------------|----|------------------------|----|-----------------------|----|-----------------------------|----|------------------------|----|
| Sl No | Name of GP | Names of Villages | name of the crops | Pre project | | | | | | Expected Post project | | | | | |
| | | | | Area (ha) | | Average yield per ha. (Qtl) | | Total production (Qtl) | | Area (ha) | | Average yield per ha. (Qtl) | | Total production (Qtl) | |
| | | | | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | Total for the project | | | | | | | | | | | | | |

*From column no.2a, total number of villages, from column no.3, total no of Crops, from column no.4 and 5, the totals for the area, average yield per ha and total production, category-wise, for the entire project may be given at the end of the table

Irri-Irrigated , Rf-Rainfed

Table-37: Details of Rabi crop area and yield in the project areas*

| 1 | 2 | 2a | 3 | 4 | | | | | | 5 | | | | | |
|-------|------------|-----------------------|-------------------|-------------|----|-----------------------------|----|------------------------|----|-----------------------|----|-----------------------------|----|------------------------|----|
| Sl No | Name of GP | Name of Villges | name of the crops | Pre project | | | | | | Expected Post project | | | | | |
| | | | | Area (ha) | | Average yield per ha. (Qtl) | | Total production (Qtl) | | Area (ha) | | Average yieldper ha. (Qtl) | | Total production (Qtl) | |
| | | | | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | Total for the project | | | | | | | | | | | | | |

*From column no.2a, total number of villages, from column no.3, total no of Crops, from column no.4 and 5, the totals for the area, average yield per ha and total production, category-wise, for the entire project may be given at the end of the table

Irri-Irrigated Rf-Rainfed

Table-38: Details of Zaid /Any other seasonal crop area and yield in the project areas*

| 1 | 2 | 2a | 3 | 4 | | | | | | 5 | | | | | |
|----------|---------------|-----------------------------|-------------------------|-------------|----|-----------------------------------|----|---------------------------|----|-----------------------|----|-----------------------------------|----|---------------------------|----|
| Sl No | Name of GP | Names of Villges | Name of the crops | Pre project | | | | | | Expected Post project | | | | | |
| | | | | Area (ha) | | Average yield per ha. (Qtl) | | Total production (Qtl) | | Area (ha) | | Average yieldper ha. (Qtl) | | Total production (Qtl) | |
| | | | | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf | Irri | Rf |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | Total for the project | | | | | | | | | | | | | |

*From column no.2a, total number of villages, from column no.3, total no of Crops, from column no.4 and 5, the totals for the area, average yield per ha and total production, category-wise, for the entire project may be given at the end of the table

Irri-Irrigated , Rf-Rainfed

Table-39: Increase/Decrease in the area of horticulture*

| 1 | 2 | 2a | 3 | 4 | 5 | |
|-------|------------|-------------------|---------------------------|---------------------------------------|---|------------------------------------|
| Sl No | Name of GP | Names of Villages | Name of horticulture crop | Existing area under horticulture (ha) | Expected achievement (ha) | |
| | | | | | Area under horticulture proposed to be covered through IWMP | Change in the area of Horticulture |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

* From column no.2a, total no of villages implementing the programme, from column no.4 and 5 , total area in ha may be given at the end of the table for the entire project

Table-40: Increase /Decrease in the area under fodder*

| 1 | 2 | 2a | 3 | 4 |
|-------|------------|------------------|---------------------------------|--|
| Sl No | Name of GP | Names of Villges | Existing area under fodder (ha) | Expected achievement through IWMP (ha) |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

* From column no.2a, total no of villages implementing the programme, from column no.3 and 4 , total area in ha may be given at the end of the table for the entire project

LIST OF MAPS

I. Index Map of Watershed

II. Watershed Map

III. Relief / Drainage Map

IV. Slope map

V. Soils and land capability class maps

VI. Land Use / Land cover map

VII. Map showing existing conservation measures

VIII. Proposed action Plan map

IX. Any other maps

Note: Except index map all other maps should be of high resolution and/ or preferably in the village map / in the scale of 1:10,000 or 8,000.

List of Abbreviations