## (e) TIME FRAME

| Work-Package | Objective | Activity | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | Responsible Organisation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Work Package – 1: Integrated geospatial climate modelling (IGCM) for Sustainable water Resources management | Generating future climatic projections with high resolution regional climate model | Climate Modelling | | | | | | | | | | | | | TERI |
| | | | | | | | | | | | | | | | TERI |
| | To identify regional and local water imbalance and water stress index | Water Balance Study | | | | | | | | | | | | | TERI-SAS/DAV |
| | To quantify water availability at regional and local level | | | | | | | | | | | | | | TERI-SAS/DAV |
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| Work Package – 2: Inventory, Protection, Restoration and Rejuvenation of springs | Selection and identification of springs for Augmentation | Inventory Survey and Stakeholder meetings | | | | | | | | | | | | | All |
| | Hydrogeological Investigation and Assessment of Springs | Geological investigation | | | | | | | | | | | | | DAV/TERI-SAS/TERI |
| | Comprehensive mapping of springs and springsheds | Structural Investigation | | | | | | | | | | | | | DAV/TERI-SAS/TERI |
| | | | | | | | | | | | | | | | DAV/TERI-SAS/TERI |
| | | Physio-chemical Soil Survey | | | | | | | | | | | | | DAV/TERI-SAS/TERI |
| | | Vegetation Survey | | | | | | | | | | | | | TERI-SAS/TERI |
| | | LULC Mapping | | | | | | | | | | | | | TERI-SAS/TERI |
| | Setting up data monitoring systems | Flow measurement | | | | | | | | | | | | | DAV/TERI/UJS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Isotope sampling | | | | | | | | | | | | | DAV/TERI/TERI-SAS |
| | | Resistivity survey (if required) | | | | | | | | | | | | | DAV/TERI-SAS |
| | Piloting Research based solution for the revival of selected springs | Setting-up the pilot and Implementation of research outcomes of Hydro-geological analysis for Spring Rejuvenation | | | | | | | | | | | | | DAV/TERI-SAS/TERI/UJS |
| | Understanding social and governance aspects of springs | FGDs and stakeholders consultation | | | | | | | | | | | | | TERI |
| | Monitoring and evaluation of pilot(s) | Monitoring and Evaluation | | | | | | | | | | | | | UJS/TERI/TERI-SAS |
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| Work Package – 3: Implementation oriented Action plan for integrated water resources management | Recommendation for community based solutions for sustainable water management and use | Participatory Resource mapping for springshed management | | | | | | | | | | | | | TERI/TERI-SAS |
| | Recommendation for water harvesting techniques and spring shed management | Site specific Technical solutions for water harvesting | | | | | | | | | | | | | TERI/TERI-SAS |
| | Action plan for land and water resources management for selected springsheds and catchments | Comprehensive Springshed Rejuvenation framework | | | | | | | | | | | | | TERI/TERI-SAS |
| | Final Report | Report preparation | | | | | | | | | | | | | TERI/TERI-SAS/PG-DAV/UJS |