## (e) TIME FRAME

| Work-<br>Package   | Objective   | Activity               | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | Responsible<br>Organisation |
|--|---|------------------------|---|---|---|----|----|----|----|----|----|----|----|----|-----------------------------|
| Work Package – 1: Integrated geospatial climate modelling<br>(IGCM) for Sustainable water Resources management | Generating future<br>climatic projections<br>with high resolution<br>regional climate model | Climate<br>Modelling   |   |   |   |    |    |    |    |    |    |    |    |    | TERI                        |
|  | To identify regional and<br>local water imbalance<br>and water stress index                 | Water Balance<br>Study |   |   |   |    |    |    |    |    |    |    |    |    | TERI-SAS/DAV                |
|  | To quantify water<br>availability at regional<br>and local level                            |                        |   |   |   |    |    |    |    |    |    |    |    |    | TERI-SAS/DAV                |
|  |   |                        |   |   |   |    |    |    |    |    |    |    |    |    |                             |

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| on of springs   | Selection and<br>identification of springs<br>for Augmentation | Inventory<br>Survey and<br>Stakeholder<br>meetings |   |   |   |    |    |    |    |    |    |    |    |    | All                         |
| 2: Inventory, Protection, Restoration and Rejuvenation of springs | Hydrogeological<br>Investigation and<br>Assessment of Springs  | Geological investigation                           |   |   |   |    |    |    |    |    |    |    |    |    | DAV/TERI-<br>SAS/TERI       |
| ation and   |  | Structural   |   |   |   |    |    |    |    |    |    |    |    |    | DAV/TERI-<br>SAS/TERI       |
| on, Resto   |  | Investigation                                      |   |   |   |    |    |    |    |    |    |    |    |    | DAV/TERI-<br>SAS/TERI       |
| tory, Protecti  | mapping of springs and<br>springsheds                          | Physio-<br>chemical Soil<br>Survey                 |   |   |   |    |    |    |    |    |    |    |    |    | DAV/TERI-<br>SAS/TERI       |
|   |  | Vegetation<br>Survey                               |   |   |   |    |    |    |    |    |    |    |    |    | TERI-SAS/TERI               |
| Work Package –  |  | LULC<br>Mapping                                    |   |   |   |    |    |    |    |    |    |    |    |    | TERI-SAS/TERI               |
|   | Setting up data<br>monitoring systems                          | Flow<br>measurement                                |   |   |   |    |    |    |    |    |    |    |    |    | DAV/TERI/UJS                |

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