

	Title of Entry	
1.1	Title of Sponsored Work	Water Resource Management through spring and Catchment Rejuvenation in Uttarakhand for improving Water Security (Annexure 1)
1.2	Name of TERI SAS Department/ Centre (s) involved	DNR
1.3	Type	Research Project
2.1	Sponsoring Agencies	21/01/2019
2.2	Location of work/activity	Uttarakhand , India 1 st Level Selupani, Uttarakhand – 2 nd Level
3.1	List of partnering Institutions involved	TERI SAS, New Delhi DAV (PG) College, Dehradun The Energy & Resources Institute, New Delhi Uttarakhand Jal Sansthan (UJS), Jal Bhawan, Dehradun
3.2	Lead Partner	
4.1	Begin Date	21/01/2019
4.2	Completed or Ongoing	Ongoing
4.3	End Date	March 2022
5.1	Principal Investigator(s)--Internal	Dr. Vinay S P Sinha, Principal Investigator, TERI SAS, New Delhi
5.2.	Principal Investigator(s)--External	
5.3	Co-Principal Investigator(s) -- Internal	
5.4.	Co-Principal Investigator(s) -- External	Dr. Prashant Singh Department of Chemistry, DAV (PG) College, Dehradun Mr Saurabh Bhardwaj, The Energy & Resources Institute, Er. S. K. Sharma, Chief General Manager (CGM) Uttarakhand Jal Sansthan (UJS), Jal Bhawan, Dehradun
5.3	Associated Researcher(s)--internal	Dr Chandrashekhhar Azad, RA-II, TERI SAS Mr Santosh Kumar Muriki, RA-II, TERI Dr Vikas Kandari, RA-II (Funded by UJS) Mr Archit Pandey, JRF Mr Nitish Schsidia, FA
6.1	Amount Sanctioned	First Year – INR 39,72,707 dated 21/01/2019 Second Year – INR 50,86,080 dated 29/07/2020 Third Year – INR 4710080 Total INR 90,58,78

6.2	Amount received	
6.3	In Kind support	Dr Vikas Kandari, RA-II (Funded by Uttarakhand Jal Sansthan (UJS), Jal Bhawan, Dehradun)
7.1	Description of work and activities	<p>Rationale: Various zone of Uttarakhand regions are facing tremendous water scarcity problem. Uttarakhand Jal Sansthan (UJS), a government body working for the proper availability and distribution of water for drinking and household Purposes. Therefore, the collected field data from UJS is very helpful for the Identification of such dried zones throughout the state. With the help of GIS and statistical software, the dried and most vulnerable sources have been identified. These outputs were helped for the identification of most vulnerable districts where the discharge from springs has reached at zero or very serious level.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. Generating future climatic projections with high resolution regional climate model 2. To identify regional and local water imbalance and water stress index 3. To quantify water availability at regional and local level 4. Inventory preparation, Protection, Restoration and Rejuvenation of springs by piloting solutions for selected springs 5. Action plan for land and water resources management for selected springsheds and catchments
7.2	Project Reach, engagements and beneficiaries, if applicable	200 household
8.1	List of Publications including dissemination through social media	Journal: Two publication under review
8.2	Links to Events page, if any	NA
9.	Executive Summary and other documents	NA (Ongoing)

Note. Per sponsored projects, this document in .doc (and not .docx) and enclosures may be zipped together and sent to iqac@terisas.ac.in, preferably in a single mail per department. Completed Projects between July 1, 2015 and July 2020 may be sent first.