	Title of Entry	Example 1
1.1	Title of Sponsored Work	Influence of Clouds and atmospheric Aerosols - India and Finland (ICASIF)
1.2	Name of TERI SAS Department/ Centre (s) involved	DNR
1.3	Type	Research Project
2.1	Sponsoring Agencies	DST and Academy of Finland
2.2	Location of work/activity	India and Finland
3.1	List of partnering Institutions involved	TERI SAS TERI Finnish Meteorological Institute
3.2	Lead Partner	TERI
4.1	Begin Date	2015
4.2	Completed or Ongoing	Completed
4.3	End Date	2017
5.1	Principal Investigator(s)--Internal	Dr. Shirish Garud/ Dr Ujjawal Bhattarchajee
5.2.	Principal Investigator(s)--External	
5.3	Co-Principal Investigator(s) --Internal	
5.4.	Co-Principal Investigator(s) --External	
5.3	Associated Researcher(s)--internal	None
6.1	Amount Sanctioned	~ 50 Lakhs
6.2	Amount received	~ 50 Lakhs
6.3	In Kind support	
7.1	Description of work and activities	Rationale: Objectives: Better understanding of atmospheric aerosols in India, in particular their wavelength-dependent absorption of solar radiation, which lays the foundation for improving satellite estimates of the solar radiation reaching earth’s surface;

		2. Develop a method for forecasting solar radiation a few hours ahead based on satellite cloud observations; 3. Develop a method for forecasting solar radiation a day or two ahead based on an aerosol forecast; 4. Develop a model for the energy output of solar energy plants based on the prevailing or forecasted solar radiation conditions; 5. Assess long-term impacts of aerosols and particulate matter on solar radiation resource potential over India and Finland under various emission scenarios; Key findings and outcomes:
7.2	Project Reach, engagements and beneficiaries, if applicable	NA
8.1	List of Publications including dissemination through social media	1. Sharma, AR.,S. Devraj, A.V. Lindfors , S.S. Garud, E. Asmi, H. Lihavainen , Understanding the impact of clouds and atmospheric aerosols on solar energy generation in India and Finland, 1st International Conference on Large-Scale Grid Integration of Renewable Energy in India, GIZ, New Delhi, India, 201 2. A.V Lindfors, H. Lihavainen, A. Riihelä, E. Asmi, V. Kallio, M. Tuononen, Hertsberg, H. Böök, R.K. Hooda, A. Heikkilä, K. Ruosteenoja, A. Sharma, S. Devraj, S. Tripathy, U. Bhattacharjee and S. Garud, Poster presentation at Academy of Finland , Helsinki, Finland, October 2017. 3. A. Riihelä , V. Kallio, S. Devraj , A. Sharma and A.V. Lindfors, Validation of the SARAH-E satellite-based surface solar radiation estimates over India, Remote sensing 4. Tripathy S.K., S. Devraj, S. Mahajan and A. Lindfors, Impact of Clouds and Atmospheric Aerosols on Solar Energy Generation – A Comparative Study of India and Finland to Understand the Effects, Energy Future, Vol. 5 (2), TERI Press, New Delhi, India, 2017
8.2	Links to Events page, if any	TBA
9.	Executive Summary and other documents	

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.