

	Title of Entry	
1.1	Title of Sponsored Work	Discrimination and acreage estimation of Bajra and maize crops Space Technology Utilization for Food Security, Agricultural Assessment and Monitoring (Annexure 18)
1.2	Name of TERI SAS Department/ Centre (s) involved	DNR
1.3	Type	Research Project
2.1	Sponsoring Agencies	Space Applications Center, ISRO
2.2	Location of work/activity	UP, India
3.1	List of partnering Institutions involved	Regional Remote Sensing Center-North, NRSC, Delhi
3.2	Lead Partner	Regional Remote Sensing Center-North, NRSC, Delhi
4.1	Begin Date	15.09.2019
4.2	Completed or Ongoing	Completed
4.3	End Date	30.09.2021
5.1	Principal Investigator(s)--Internal	Dr. Neeti
5.2.	Principal Investigator(s)--External	Dr. V. M Chowdary, Regional Remote Sensing Center North, ISRO
5.3	Co-Principal Investigator(s) --Internal	
5.4.	Co-Principal Investigator(s) --External	
5.3	Associated Researcher(s)--internal	JRF: Mr. Mohit Kesarwani
6.1	Amount Sanctioned	13 Lakh
6.2	Amount received	
6.3	In Kind support	
7.1	Description of work and activities	There does not exist one standard approach for crop classification that can be consistently applied to all the regions and for all the crop types. The proposed study will focus on evaluating different machine learning based classification approaches for area estimation of bajra and maize crop in Kharif season for the

		state of UttarPradesh.
7.2	Project Reach, engagements and beneficiaries, if applicable	NA
8.1	List of Publications including dissemination through social media	One manuscript in review.
8.2	Links to Events page, if any	
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.