

# CSIR-4PI PROJECTS: ONGOING

<b>GRANT IN AID PROJECTS (GAP)</b>					
SL. NO.	PROJECT CODE	TITLE OF THE PROJECT	NAME OF THE AGENCY	COST OF THE PROJECT (in Lakhs)	PROJECT DURATION
1	GAP1009	National carbonaceous aerosols programme (NCAP): Working Group III - Carbonaceous aerosols emissions, source appointment and climate effects	Ministry of Environment, Forest & Climate Change (MoEFCC) GOI.	₹117.012 Lakhs	01-04-2017 To 30-03-2023
2	GAP1010	Geological characterization of the Kashmir valley with the objective of quantifying probabilistic hazard and risk in the high-risk areas of the valley using a logically integrated set of geo-scientific investigation	Department of Earth Science, GOI	₹151.50 Lakhs	29/03/2016 To 28/03/2019 Extended To 30-09-2022
3	GAP1011	Enhancement of the quality of livelihood opportunities and resilience for the people in the Indian Himalayas, through design of intervention strategies aimed at maximizing resource Potential and minimizing risks in urban-rural ecosystem	Ministry of Environment, Forest & Climate Change (MoEFCC) GOI	₹152.59 Lakhs	28/03/2018 To 31/03/2021 Extended To 28/12/2021
4	GAP1012	Integrated system dynamical model to design and Testing Alternative intervention strategies for effective remediation & Sustainable water management for two selected river basins of Indian Himalaya	Ministry of Environment, Forest & Climate Change (MoEFCC) GoI.	₹94.57 Lakhs	01/06/2018 To 31/05/2021 Extended To 31/12/2021
5	GAP1013	Improving the prediction of the extremes of the interannual variation of the Indian Summer Monsoon Rainfall (ISMR) by CFSv2	Indian Institute of Tropical Meteorology, Pune, Ministry of Earth Science	₹18.79 Lakhs	01/09/2018 To 31/08/2021
6	GAP1014	Hyperspectral imaging for sharper definitions of Himalayan ecosystems and its high value plant species under climate uncertainties	Banaras Hindu University, Varanasi Funding from Ministry of Environment, Forest & Climate Change	₹15.506 Lakhs	27/12/2018 To 26/12/2021
7	GAP1015	Analysis of urban 'heat islands', air pollution dynamics and extreme heat wave phenomena in India and Russia	Department of Science & Technology.	₹24.052 Lakhs	14/02/2019 To 13/02/2021 Extended To 01/07/2021
8	GAP1016	Assessment of regional hydrology using space borne gravity observations: Robust estimation of deformation due to hydrological loading in NE-India and Upper Ganga river basin.	Department of Science & Technology.	₹19.118 Lakhs	27/05/2019 To 26/05/2022

9	GAP1017	Developing a Public Health Informatics Platform in India for a systems View of Health and Diseases” under Epidemiology Data Analytics (EDA) of Interdisciplinary Cyber Physical Systems (ICPS) Programme of DST, GoI	Department of Science & Technology	₹57.42 Lakhs	17/05/2019 To 16/05/2022
10	GAP1018	A Darknet/Network Telescope Based Cyber Security Monitoring and Inference Framework	Ministry of Electronics and Information Technology	₹49.98 Lakhs	16/07/2019 To 15/07/2021 Extended To 28-02-2022
11	GAP1019	Feasibility Evaluation, Impact Quantification and Mitigation of Low-Rate Cyber Attacks on Multipath Transmission Control Protocol (MPTCP)	Department of Science & Technology	₹57.42 Lakhs	07/08/2019 To 06/08/2022
12	GAP1020	Modelling and Forecasting of High Impact Weather Events in the Beas basin, and Designing a Proto-type Advance Warning System for Mitigating their Adverse Impacts	Ministry of Environment, Forest & Climate Change (MoEFCC), Government of India	₹143.7 Lakhs	20/01/2020 To 19/01/2023
13	GAP1021	Design Intervention Strategies for Mitigating the Impacts of heat waves through modified land cover	Department of Science & Technology	₹15.80 Lakhs	16/12/2019 To 16/12/2022
14	GAP1023	Influence of Upper Ocean Physical Processes on the Oxygen and Nutrient Variability in the North Indian Ocean using eddy permitting coupled ecosystem model of the global Ocean	Women Scientist Scheme A(WOS-A) Department of Science & Technology	₹27.488 Lakhs	23/11/2020 To 22/11/2023
15	GAP1024	Improving productions of Thunderstorms using Dual-Resolution Hybrid Ensemble – Variational Data Assimilation System using WRF Model	Ministry of Earth Science (MoES), GoI	₹20.874 Lakhs	29-06-2021 To 28-06-2024

<b>CSIR FUNDED PROJECTS</b>					
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1	CSIR YSA1001	Assessment and forecasting of extreme weather events over the Indian region using Mesoscale Model	CSIR Young Scientist Scheme	₹25.00 Lakhs	01/04/2017 To 31/03/2022
2	MLP1003	Integration of GNSS and Broadband data for high resolution velocity structure and crustal deformation in Jammu, Kashmir and Ladakh Himalaya ( <b>IGBHK</b> )	CSIR funded projects	₹ 350.00 Lakhs	09/02/2021 To 31/03/2023
3	MLP1004	Development of a modelling platform for Hydro-Meteorological Disaster early Warning System for major metro cities in India ( <b>HDWS</b> )	CSIR funded projects	₹ 69.85 Lakhs	09/02/2021 To 31/03/2023
4	MLP1005	Setting up of CSIR HPC, AI & ML Platform ( <b>CHAMP</b> )	CSIR funded projects	₹ 5000.00 Lakhs	15/01/2021 To 31/03/2022

<b>SPONSORED PROJECTS</b>					
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1	SSP-1001	Detection and Migration of Cyber-attack in Vehicular Ad-hoc Networks (VANETs) (Sponsored Scientific Project-1001)	Cognizant Technology Solutions	₹30.00 Lakhs	1/04/2019 To 31/03/2022