

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 3473
ANSWERED ON 23.03.2017

WATER UNIVERSITY

3473. SHRI G.M. SIDDESHWARA

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) whether the Government is encouraging research in the fields of water management and its conservation technology;
- (b) if so, the details thereof along with the progress made in these fields during the last three years;
- (c) whether the Government proposes to set up a water university; and
- (d) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR. SANJEEV KUMAR BALYAN)

(a) & (b) Yes, government is encouraging research in the fields of water management and its conservation technology;

Ministry of Water Resources, RD & GR is sponsoring research projects by funding the academic / research institutes through three Indian National Committees (INCs) on Surface Water, Ground Water and Climate Change under its planned scheme "Research & Development (R&D) Programme in Water Sector".

- Under Indian National Committee on Surface Water (INCSW), presently there are total six R&D Schemes in hand in the field of water management and its conservation technology.
- Under Indian National Committee on Climate Change (INCCC), the Ministry of Water Resources, River Development & Ganga Rejuvenation invited research project proposals from premier academic & research institutions of the country for thorough studies on "impact of Climate Change in river basins and downscaling studies for future predictions" under INCCC. Among the above invited projects, seven studies on impact of climate change on water resources and one downscaling study have already been approved by MoWR, RD&GR.
- Under Indian National Committee of Ground Water (INCGW) at present there are 3 ongoing and 5 under completion Schemes.

The details are given in **Annexure**.

(c) & (d) The proposal for setting up a water university is presently not under consideration of the Ministry.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 3473 TO BE ANSWERED ON 23.03.2017 IN LOK SABHA REGARDING “WATER UNIVERSITY”.

Project No.	Name of the Project	Name of PI & Institute	Status
Indian National Committee on Surface Water (INCSW)			
1	Development of an Indigenous Automated Micro Irrigations System.	Dr. Neelam Patel (PI), WTC, IARI, New Delhi	Ongoing
2	Water use efficiency studies of Mangalam Irrigation Project	Babu Methew, (PI), Training, Education and Extension Division, CWRDM, Kunnamangalam, Kozhikode (Kerala)	Ongoing
3	Efficiency Study of Damodar Left Bank Irrigation System and Strategies for Integrated Command Area Water Management.	Dr. Anirban Dhar, (PI), Indian Institute of Technology Kharagpur	Ongoing
4	Conjunctive use planning of water resources considering spatial variation in cropping pattern using remote sensing & GIS	Dr. Deepak Khare, (PI), IIT, Roorkee	Ongoing
5	Standardization of Drip Irrigation and Fertigation Schedules with and without mulch in Fruit Crops (Apple and Apricot) of Himalayan Region	Dr.Pardeep Kumar (PI) University of Horticulture and Forestry Nauni (Solan)	Ongoing
6	Augmentation of water resources through water harvesting in hill areas	Dr.Ghanshyam Agarwal (PI), Dr. Y.S. Parmar University, Solan, H.P.	Ongoing
Indian National Committee on Climate Change (INCCC)			
RP-1	Impact Assessment of Climate Change on Hydro-meteorological processes and Water Resources of Mahanadi River Basin	Prof VV Srinivas, IISc Bangalore	The release of first Instalment of grant is in process
RP-2	Climate Change Impact Studies for Rajasthan (Area of Inland Drainage and Mahi basin	Dr Mahendra Chaudhary (PI), & Dr Arindum Sarkar, (Co-PI), IIT Bhubneshwar	The release of first Instalment of grant is in process
RP-4	Impact of Climate Change on Water Resources of Tapi Basin	Dr P L Patel, (PI), SVNIT Surat, Dr Devesh Sharma (Co-PI), CUJ Ajmer & Dr B R Chahar (Co-PI), IIT Delhi	The release of first Instalment of grant is in process
RP-6	Effect of Climate Change and land use/land cover changes on spatial and temporal water availability in Subarnarekha Basin	Dr. Ashok Mishra, (PI), IIT Kharagpur, Dr Rohit Goyal (Co-PI), MNIT, Jaipur & Dr Vishnu Prasad, Co-PI, MANIT Bhopal	The release of first Instalment of grant is in process
RP-7	Impact of Climate Change on Water Resources of Sabarmati Basin	Dr Vimal Mishra (PI), IIT Gandhinagar	The release of first Instalment of grant is in process

RP-8	Impact of Climate Change on Water Resources in River Basins from Tadri to Kanyakumari	Prof T I Eldoh (PI), IIT Mumbai & Dr. P L Patel (Co-PI), SVNIT Surat	The release of first Instalment of grant is in process
RPD-1	Statistical Downscaling for hydro climatic projections with CMIP5 Simulations to assess Impact of Climate Change	Dr Subimal Ghosh (PI), IIT Mumbai, Prof A Mahesha (Co-PI), NIT Surakthal, Dr V P Dineshan (Co-PI), CWRDM Kozhikode, Dr A K Sharma (Co-PI), IIT Guwahati, Dr PP Majumdar (Co-PI) IISc Bangalore, Dr Vimal Mishra (Co-PI) IIT Gandhinagar, & Dr Ashu Jain, (Co-PI), IIT Kanpur	The release of first Instalment of grant is in process
Indian National Committee on Ground Water (INCGW)			
1.	Ground water behaviour in Connate water areas and hard rock terrain of Orissa with respect to different schedules of pumping and varied draw-down conditions	Chief Engineer & Director, DGWS&I, Deptt. of Water Resources, Govt. of Orissa, Bhubaneswar& Regional Director, CGWB, SER, Bhubaneswar,	Under Completion Draft Final Report submitted
2.	Spatio-temporal modelling of ground water quality using artificial neural network	Dr. K.P. Sudheer, Associate Prof., Dept. of Civil Engg., IIT Madras, Chennai	Under Completion Draft Final Report submitted
3.	Assessment of hydrogeochemical impacts of shrimp farming on coastal watershed	Dr. NilaRekha, Senior Scientist, Central Institute of Brackish Water Aquaculture, Chennai	Under Completion Draft Final Report submitted
4.	Development of Nanofiltration Membrane Technology for Drinking Water Purification and Water Reclamation for Industrial Use	Dr. Paramita Ray, Scientist, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat	Under Completion Draft Final Report submitted
5.	Vulnerability assessment and ground water management studies in aquifers of Pondicherry	Dr. S. Chidambaram, Associate Professor, Dept. of Earth Sciences, Annamalai University, Chidambaram, Tamil Nadu,	Under Completion .Draft Final Report submitted
6.	Developing a Methodology for Evaluating the Impact of Rain water harvesting in Urban Areas	Dr. G. Ravi Kumar, Asstt. Prof. in Civil Engg, Deptt. of Chemical Engg., AC Tech Anna University, Chennai	Ongoing
7.	Study and Investigations on the Marble Waste Material (Marble Slurry) to remove the Arsenic from Ground Water	Dr. R.N. Yadav, Lecturer, Govt. R.R. (PG) Autonomous College, Alwar, Rajasthan	Ongoing
8.	Estimation of Aquifer Potential in Jharia Coal Mining Region with suitable techniques to improve the recharge	Dr. P.K. Singh, Associate Professor, Department of Environmental Science & Engg., Indian School of Mines, Dhanbad	Ongoing