

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI,  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2467**  
ANSWERED ON 20.12.2021

**CLIMATE CHANGE AND WATER RESOURCES IN TAMIL NADU**

2467 SHRI P. WILSON

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether Government has considered the imbalance between the population in Tamil Nadu and the available water resources, especially groundwater, as submitted by the State Government to the Central Government;
- (b) whether a cognizable action plan has been discussed to ensure such water resources to the population of the State of Tamil Nadu;
- (c) whether the State action plan regarding climate change as finalized by the Tamil Nadu Government has been considered by Government and whether any coherent steps have been taken to ensure funding for the same; and
- (d) if so, the details thereof and, if not, the reasons therefor?

**ANSWER**

MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Dynamic Ground Water Resources of the country including Tamil Nadu are assessed jointly by Central Ground Water Board (CGWB) and State Government. Further, as per the 2020 assessment in the State of Tamil Nadu, the Total Annual Ground Water Recharge is about 19.59 Billion cubic Metre (BCM), the Annual Extractable Ground Water Resource is about 17.69 BCM and the Annual Ground Water Extraction for all uses is about 14.67 BCM..

Further, as per information received from Government of Tamil Nadu, they have taken into account all the basic requirements of water for the population especially, drinking and domestic purposes, while doing the ground water assessment 2020 with CGWB and there is no shortage of groundwater for domestic purposes.

(b) National Aquifer Mapping and Management program (NAQUIM) is being implemented by CGWB which envisages mapping of aquifers (water bearing formations), their characterization and development of Aquifer Management Plans to facilitate sustainable management of Ground Water Resources in the country including Tamil Nadu. NAQUIM reports and management plans are shared with States including Tamil Nadu for implementation.

Further, CGWB has prepared a Master Plan for Artificial Recharge to Groundwater- 2020 in consultation with States/UTs including Tamil Nadu which is a macro level plan indicating various structures including estimated cost for the different terrain conditions of the country. The Master Plan envisages the construction of about 88000 artificial recharge structures in Tamil Nadu to harness 959 Million Cubic Metre (MCM) of monsoon rainfall. The Master Plan has been shared with State Government for implementation. Further, as per the information received from State Government continuous efforts are undertaken by various Departments in the augmentation of ground water resources.

(c) & (d) Ministry of Environment, Forest & Climate Change (MoEF & CC) has established the National Adaptation Fund for Climate Change (NAFCC) for funding to projects under State Action Plan on Climate Change (SAPCC) prepared by the States in consonance with the provisions of National Action Plan for Climate Change (NAPCC). Under NAFCC, two projects costing Rs 48.27 Cr have been granted by the MoEF & CC in Gulf of Munnar, Salem & Virudhunagar Districts of Tamil Nadu.

Further, this Department has initiated action to prepare State Specific Action Plan (SSAP) for water sector covering irrigation, agriculture, domestic water supply, industrial water supply and waste water utilization in respect of all the States/UTs including Tamil Nadu. Further, necessary budget allocations have been made to Government of Tamil Nadu for preparing the SSAP.

In addition, as per information received from the State Government of Tamil Nadu, they have taken up a number of schemes at various places for groundwater recharge to mitigate adverse effects of climate change, if any.

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