



Central Ground Water Board



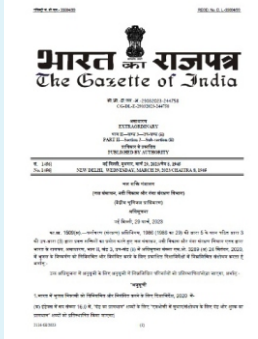
सत्यमेव जयते
Government of India



Central Ground Water Board

Central Ground Water Authority (CGWA)

CGWA - Regulation and Control of Ground Water Extraction: CGWA has been constituted under Section 3(3) of the Environment Protection Act, 1986. CGWA has been entrusted with the responsibility of regulating and controlling ground water development and management in the country and issuing necessary directives for the purpose. To promote ease of doing business, CGWA has put in place a web-based system NOCAP (<https://cwa-noc.gov.in>) for processing of applications and issuance of NOCs. New Guidelines for regulation and control of ground water extraction have been issued in September, 2020 by Central Ground Water Authority.



Rajiv Gandhi National Ground Water Training & Research Institute (RGNGWTRI)

Located at Raipur, Chhattisgarh, the institute caters to training and research in the field of ground water in the country. Since 2012 (XII Plan) RGNGWTRI has been implementing a three tiered (Tier-I: National Level, Tier-II: State/District, Tier-III: Block Level) trainings, both through online and offline, residential programs.



It also carries out training programs related to ground water management for foreign nationals and institutes.

Public Outreach

Public Interaction programs (PIPs) were initiated in the year 2018 as a medium to disseminate findings of NAQUIM and other hydrogeological studies at grass root level in all the North Eastern States.



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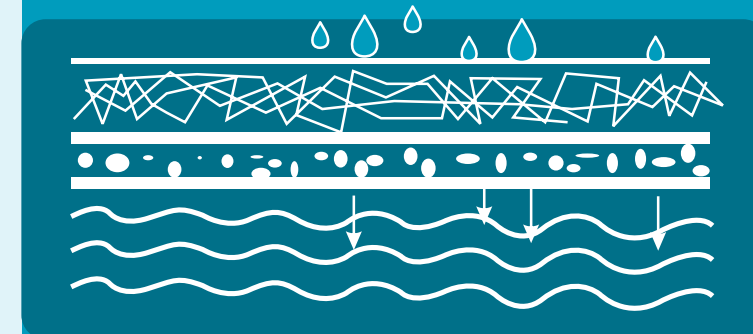
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Government of India
Ministry of Jal Shakti
Department of Water Resources, RD & GR

Central Ground Water Board North Eastern Region



(Activities of CGWB in the North Eastern States of India)

Central Ground Water Board (CGWB)

Mandate: To develop and disseminate technologies & monitor and implement national policies for scientific and sustainable development and management of India's ground water resources including exploration, assessment, conservation, augmentation, protection from pollution and distribution, based on principles of economic and ecological efficiency and equity.

Vision: Sustainable Development and Management of Ground Water Resources of the Country.

Mission:

- To develop ground water policies, programs and practices to monitor and enable effective use of the country's ground water resources in a sustainable manner with active involvement of all stakeholders.
- To put into place scientific system and practices, which would result in sustained increase in ground water use efficiency.
- To disseminate information, skills and knowledge, which would help in capacity building and mass awareness in ground water sector.



North Eastern Region (NER)

The regional office of NER was first established at Shillong, Meghalaya in the year 1972, there after it was shifted to Guwahati, Assam to cater the North Eastern states of India. Currently under the regional office Guwahati, there are 3 State Unit Offices (SUOs) at Shillong, Agartala and Itanagar. The drilling operation in NER is being operated by Division-VII under CGWB, NER.

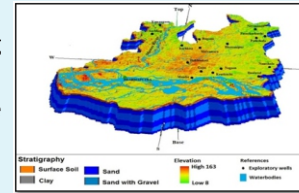


Geophysical Studies: Geophysical team of NER has carried out Resistivity logging (N16, N64), SP and Gamma logging to delineate different potential zone in bore hole using Upron Logger. NER has also been carrying out VES using SSR MP1 and SSR MP -ATS Resistivity meter to identify the GW potential zones and subsurface lithology.



Activities of CGWB in NER

NAQUIM (1.0 & 2.0): National Project on Aquifer Mapping (NAQUIM) was started in India in the year 2012 to delineate the aquifers in 1:50,000 scale and analysing its quantity, quality, movement, its sustainability along with requisite management plans. CGWB NER has completed NAQUIM studies of all the North Eastern States by 2022. Currently CGWB NER is also carrying out seven studies under NAQUIM 2.0 in urban area, Industrial cluster, poor GW quality area and spring studies.



PMKSY: Based on NAQUIM studies and Ground Water (GW) Resources, a flagship programme PMKSY-HKPP-GW under MoJS have been successfully implemented in 6 states of NER, bringing large nos. of small and marginal farmers under assured irrigation.

Ground Water Regime Monitoring (GWRM): Monitoring is carried out 4 times a year (NHNS) and on monthly basis for urban areas in NER. With the installation of DWLR in different monitoring wells, water level is measured 4 times a day. Recently, spring monitoring is being carried out on monthly basis in different parts of NER.

Exploratory Drilling: Drilling aided GW Exploration provide direct information about the disposition and characteristics of the aquifer. In NER around 1202 wells have been drilled and pumping tests conducted. Around 500 numbers of High Discharge Wells have been handed over to the State Government for public use.



Ground Water Quality Studies:

The Regional Chemical Laboratory, NER Guwahati, CGWB with its advanced instruments such as ICPMS, IC, AAS, UV-VIS spectrophotometer regularly monitors the ground water quality across the NER States. The laboratory conducts specialized pollution studies in the North Eastern Region to ensure contaminant concentrations adhere to prescribed limits.



Ground Water Resource Assessment (GWRA):

Periodical GWRA is carried out for the entire North Eastern States in collaboration with the respective state departments. The results are being shared with the state Government Departments for the effective Management of Ground Water Resources across NER. Except Urban Guwahati, all the assessment units in NER are in Safe Category.

