

# GROUND WATER NEWS



## Central Ground Water Board (CGWB)

Ministry of Water Resources, River Development and Ganga Rejuvenation  
Government of India

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

03

### Insider

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#### Mandate:

To Develop and disseminate technologies, and monitor and implement national policies for the Scientific and Sustainable development and management of India's Ground Water Resources, including their exploration, assessment, conservation, augmentation, protection from pollution and distribution, based on principles of economic and ecological efficiency and equity.

### Chairman's Desk



#### Message



*Ground Water is most sought after resources for meeting the ever- growing demand of water in India. Ground Water development to a great extent has given boost to agricultural production, meeting about 85% water demands for drinking & domestic purposes in rural and more than 50% urban water requirements as well as major industrial water demands in the country.*

*Ground Water News is a medium by which readers would come to know about latest developments / initiatives taken by Central Ground Water Board in the Ground water sector.*

*It is a matter of pride that National Ground Water Training and Research Institute has made MOU with Pt. Ravishankar University, Raipur, Chattisgarh to collaborate for jointly conduction 10 months diploma course in "Applied Hydrogeology" mutually sharing their resource and subject expertise and explore the scope for joint research projects.*

*CGWB through its various public interaction programs educating people for Ground Water Conservation and for Ground Water Management Plan prepared under NAQUIM programme.*

*As a proactive initiative CGWB is jointly working with MGNREGA for implementation of various water conservation measures. Under innovative interventions for water conservation, construction of Bridge cum Bandhara has been undertaken in select areas of State of Maharashtra.*

*I convey my warm greetings and wish all a very Happy and Prosperous New Year 2019.*

*K. C. NAIK*  
(K. C. NAIK)

## Major Events

### 1. World GIS Day 2018

- Sh. K.C.Naik, Chairman,CGWB was invited as a speaker in technical/industry session of World GIS Day 2018 with the theme "G-Governance of Namami Gange programme through Geospatial Technology" organized by National Mission for Clean Ganga (NMCG), MOWR,RD&GR on 14.10.2018 at New Delhi.The objective of the session was to share the knowledge on use and application of geospatial technology for monitoring and management of various activities being undertaken under Namami Gange Programme, and also provide feedback on the current use of this technology with reference to Ganga Basin



### 2. Seminar on Environmental Issues in Water Resources

- Sh. P. K. Parchure, Member(East), CGWB attended one day Seminar on Environmental Issues in Water Resources Projects organized by CWC at CWC Auditorium, New Library Building, R. K. Puram, New Delhi on 9.10.2018



Sh. U.P. Singh, Secretary, MoWR,RD&GR, at Seminar on Environmental issues in Water Resources

### 3. "Eradication of Corruption -Build a New India"

- MOWR,RD&GR organized a Seminar on "Eradication of Corruption -Build a New India" in connection with Vigilance Awareness Week 2018 on 30.10.2018 at SCOPE Auditorium, Lodi Road, New Delhi. Sh. K.C.Naik, Chairman, CGWB attended the seminar.

### 4. The India Industry Water Conclave & FICCI Water Awards 2018

- The India Industry Water Conclave & FICCI Water Awards is a flagship event of the FICCI Water Mission. The Conclave and Awards are instituted on annual basis to recognize excellence in water conservation and sustainable water management practices. The 4th Edition of India Industry Water Conclave and 6th Edition of FICCI Water Awards was organized on November 1-2, 2018 at New Delhi. The theme for the Conclave this year is "Sustainable Water Management: Policy Reforms, Market Creation and Technology Innovation". Sh. K.C.Naik, Chairman, CGWB was invited as panelist and speaker in Plenary Session on "Policy Reforms towards Sustainable Water Management".



### 5. Innovation Camp: Water in Urban Areas

- Innovation Center Denmark, Royal Danish Embassy, New Delhi, India invited Chairman, CGWB Sh. K C Naik as "Distinguished Guest and Speaker" during the "Innovation camp: Water in Urban Areas"on November 28th, 2018 at Delhi, India. Leading experts from Denmark and India participated during the event . The event has emerged as the most significant water summit in the country.



Sh. K.C.Naik, Chairman CGWB at The Lalit, Delhi during the Innovation Camp: Water in Urban Areas





# Save Ground Water to Save Ecology

## 6. 10th Agrovision, Nagpur

- CGWB, Central Region, Nagpur along with Division VI participated in the 10th Agrovision held at Reshimbagh Ground, Nagpur from 23rd to 26th November 2018. The theme of the 10th Agrovision was "Linking Farmers to New Technologies". Agrovision 2018 was organised under the able guidance of its Chief Patron, Shri Nitin Gadkari, Hon'ble Minister for Road Transport & Highways, Shipping and Water Resources, River Development & Ganga Rejuvenation, GoI and Dr. C.D. Mayee, Chairman - Advisory Council, Agrovision. Agrovision was supported by Ministry of Agriculture & Farmers Welfare, GoI, Ministry of Food Processing Industries, GoI and Govt. of Maharashtra.



Officers of CGWB, Nagpur interacting with Visitors

## 7. National Level Expert Committee (NLEC) Meeting

- Fifth meeting of the National Level Expert Committee for review and finalization of Aquifer Maps and Management Plans was held on 5th Dec, 2018 at CGWB Faridabad under the Chairmanship of Sh. K. C. Naik, Chairman, CGWB in which results in respect of Lakshadweep, West Bengal, Uttarakhand, Odisha, Uttar Pradesh and Arunachal Pradesh were presented and deliberated upon. Aquifer Maps and Management Plans developed under the NAQUIM programme are backed by rigorous field surveys by the professionals of CGWB. Aquifer Maps and Management Plans, thus prepared are subject to a three tier review including review by a National Level Expert Committee (NLEC) before finalization. The NLEC comprises domain experts from CGWB; IIT, Roorkee; IIT, Delhi; JNU and IWMI.



Deliberations on Aquifer Maps and Management plans during NLEC meeting held on 5<sup>th</sup> Dec 2018 at Bhujal Bhawan, Faridabad

## 8. Inspection of construction site of Rajiv Gandhi National Ground Water Training & Research Institute (RGNGWTRI)

- Honorable Chairman, CGWB, Sh. K. C. Naik visited the construction site of Rajiv Gandhi Training Institute, Raipur on 30.11.2018 with Regional Director (RGNGWTRI), Sh. Sunil Kumar and other officers.



Sh. K.C.Naik Chairman, CGWB along with officers of RGI, Raipur during inspection

## 9. Vigilance Awareness Week

- This year the Vigilance Awareness Week was observed from 29th October to 3rd November, 2018 with the theme "Eradicate Corruption – Build a New India" ("भ्रष्टाचार मिटाओ – नया भारत बनाओ"). Integrity pledge was taken by all the officers and staff presented through Member CGWB Shri G.C. Pati at CHQ on 29.10.2018 by reaffirming our commitment towards honesty, transparency and bring out changes in thinking and behavior of individual.



Officers of CGWB taking oath during Vigilance Awareness Week

## 10. केंद्रीय भूमिजल बोर्ड, मुख्यालय फ़रीदाबाद में हिन्दी कार्यशाला का आयोजन

- केंद्रीय भूमिजल बोर्ड, मुख्यालय फ़रीदाबाद में दिनांक 27.11.2018 को एक दिवसीय हिन्दी कार्यशाला का आयोजन किया गया। इस अवसर पर बोर्ड के अध्यक्ष श्री के.सी.नायक के अतिरिक्त अन्य वरिष्ठ अधिकारीगण उपस्थित थे। कार्यशाला में विभिन्न संकायों से 25 अधिकारियों एवं कर्मचारियों को प्रशिक्षण दिया गया। समापन समारोह में प्रतिभागियों को प्रमाण पत्र प्रदान करते हुए अध्यक्ष महोदय ने राजभाषा हिन्दी के कार्यान्वयन एवं प्रचार-प्रसार की दिशा में और अधिक सार्थक प्रयास करने का आह्वान किया।



- केंद्रीय भूमि जल बोर्ड (उत्तरी क्षेत्र), लखनऊ कार्यालय में दिनांक २१ दिसम्बर, २०१८ को हिन्दी कार्यशाला का आयोजन किया गया। इस अवसर पर पधारे राजभाषा हिन्दी के विद्वान डॉ. विजय नारायण तिवारी, सेवानिवृत्त संयुक्त निदेशक (वरिष्ठ राजभाषा अधिकारी), सी.डी.आर.आई. लखनऊ ने धारा ३(३) के अनुपालन, हिन्दी में प्राप्त पत्रों की स्थिति (नियम-५), हिन्दी टिप्पण लेखन, नियम (८)४, कंप्यूटर पर यूनिकोड के प्रयोग, हिन्दी के पत्राचार, हिन्दी में मूलरूप से कामकाज के लिए प्रोत्साहन पुरस्कार योजना के प्रयोजन आदि को विस्तार से समझाया। उन्होंने गूगल नेट वॉइस टाइपिंग (Google Net Voice Typing) एवं गूगल ट्रांसलेटर (Google Translator) आदि के प्रयोग का प्रस्तुतीकरण किया और बताया कि इन नई विधाओं के प्रयोग से कार्यालय में हिन्दी पत्राचार के प्रतिशतता में प्रभावी वृद्धि सम्भव हो सकती है।



## Achivements

### 1. High Yielding Wells

- High yielding Shallow Tube well-constructed in salinity prone area of West Bengal in (i) Kasaria, Khejuri- II block, Purba Medinipur district (Discharge-14 literper second-lps) (ii) Exploratory well (EW) at Uttar Simla, Hoogly district ( 31 lps discharge).
- A high yielding well drilled in the state of Kerala, at Thodupuzha, Idukki district, Kerala state having discharge of > 8.5 lps.
- High yielding wells drilled in Maharashtra at (i) Jalgaon village in Dhamangaon Railway taluka of Amravati district (discharge of 15.66 lps) (ii) EW at Village Dasmegaon, Block/Taluka- Washi, District- Osmanabad(12.18 lps) (iii) Village Chikli, Block/Taluka- Chikaldhara, District- Amravati (12.15 lps).



- High yielding Shallow Tube well-constructed in Rajasthan at (i) Pagariya, Jhalawar district (16.67 lps ), Village Kayasara, Block-Dag, Jhalawar district(15 lps).
- High yielding exploratory wells drilled in Himachal Pradesh at Kaishwari road, N&MRC, Nagrota Bagwan, district Kangra(6 lps discharge), Kullu(7 lps).
- Wells with potential aquifer zones with high discharge constructed in Andhra Pradesh at (i) Chintarajupalle, Vontimitta Mandal, Kadapa District (ii) Village T. Sundupalli & Mandal, Kadapa District (6.8 lps),(iii) Village Shanti Nagar, Sidhout Mandal, Kadapa District(6.71 lps).
  - Wells with potential aquifer zones with high discharge constructed in Jammu and Kashmir at (i) Village Meandhar in Poonch district (10 lps) in Lower Siwalik formation of Miocene age and siltstone of Murree formation (ii) Meander village, Poonch district ( 10 lps) in Middle Siwalik Sandstone with alternate Siltstone and Claystone lithology (iii)Village Krimchi, Udhampur district (15 lps-highest reported discharge by CGWB in Middle Siwalik formation) (iv) Kanjli, District-Udhampur (8 lps).



# CARE FOR WATER BEFORE IT BECOMES RARE



- Wells with potential aquifer zones with high discharge constructed in Jammu and Kashmir at (i) Village Meandhar in Poonch district (10 lps) in Lower Siwalik formation of Miocene age and siltstone of Murree formation (ii) Meander village, Poonch district (10lps) in Middle Siwalik Sandstone with alternate Siltstone and Claystone lithology (iii)Village Krimchi, Udhampur district (15 lps-highest reported discharge by CGWB in Middle Siwalik formation) (iv) Kanjli, District– Udhampur (8lps).
- High yielding wells drilled in Karnataka at (i) Bytharahosahalli site, Turuvakere Taluk, Tumkur distt. (16.4 lps) (ii) Halli Mysore site, Hassan district(16 lps) (iii) Village Kittur, Bailahongaltaluk, Belagavi District(9 lps).
- High yielding wells drilled in Tamil Nadu at (i) Kuppanampatti, Usilampatti Taluk ,district Madurai (5.53 lps), (ii) at Andivalasu, Block/Taluka- Thiruchengode, District– Namakkal(20 lps), (iii) Paramakudi, District– Ramanadhapuram(24.62 lps).
- High yielding wells drilled in Jharkhand at (i) Village Bedia, Block -Jama, district – Dumka (12lps), (ii)Village Bhanderbera, Block -Nala, district – Jamtara (12 lps).



## 2. Sharing of Aquifer Maps and Management plan with State Authorities

- CGWB has initiated sharing of Aquifer Maps and Management plans with the respective state and district authorities for their effective implementation. So far aquifer maps and management plans in respect of 74 districts in the states of Andhra Pradesh, Bihar, Haryana, Jharkhand, Kerala, Maharashtra, Odisha, Punjab, Rajasthan, Tamil-Nadu, Telangana, UT of Dadra and Nagar Haveli, Uttar Pradesh, Uttarakhand and Gujarat have been shared with the respective district authorities.



Presentation of Aquifer Mapping and Management Plan of Thiruvananthapuram district, Kerala to Sh. V.R.Vinod, ADM, Thiruvananthapuram



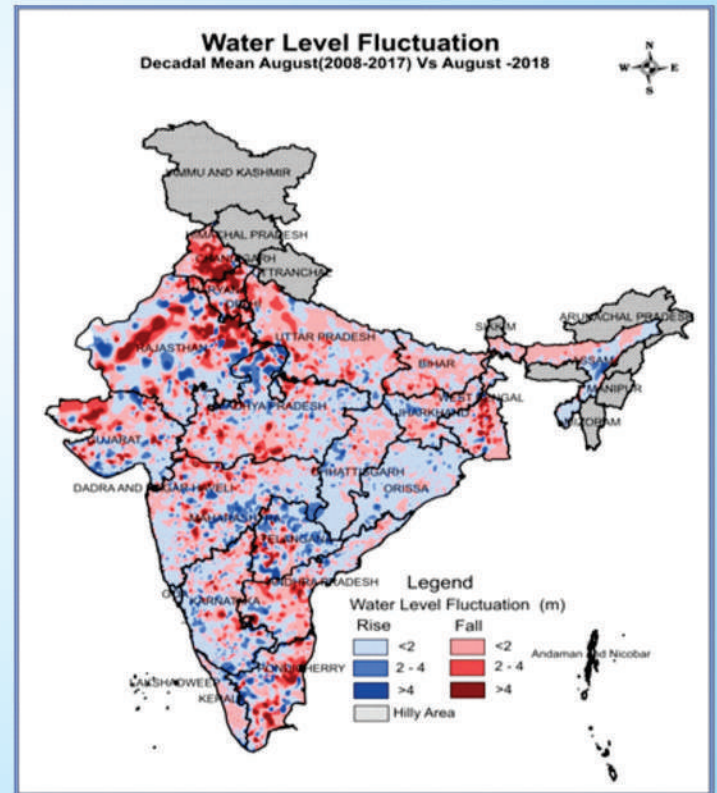
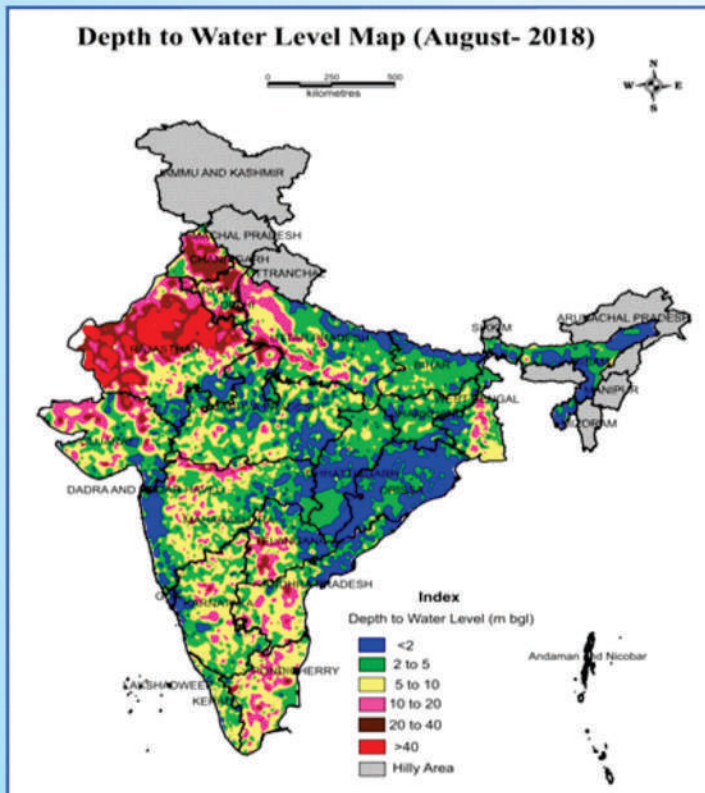
Sh. K.Krishnankutty Honorable Minister of Water Resources Govt. Of Kerala Releasing report Aquifer Mapping & Management Plan of Trivandrum district Prepared by CGWB 'KR. Additional Chief Secretary (WR) Dr. Vishwas Mehta received the report for further action



Dr. A K Jain, WCR, Ahmedabad presenting report to Sh. Praveen Chaudhary, IAS, District Development Officer, Junagadh Gujarat.

### 3. Ground Water Level Scenario

- Ground water level data of August 2018 for the country reveals that the general depth to water level of the country ranges from 0 to 5 m bgl. Very shallow water level of less than 2 m bgl is observed in almost all the states, such as Assam, Andhra Pradesh, Bihar, Chhatisgarh, Goa, Gujarat, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Madhya Pradesh, Maharashtra, Odisha, Tripura, and West Bengal. In major parts of north-western and western states, depth to water level is generally deeper and ranges from about 10-40 m bgl. In parts Delhi, Haryana and Rajasthan, water level of more than 40 m bgl is also recorded. The peninsular part of country recorded a water level in the range of 2 to 10 m bgl. The maximum depth to water level of 129.00 m bgl is observed in Bikaner district of Rajasthan whereas the minimum is less than 1 m bgl.



- A comparison of depth to water level of August 2018 with decadal mean of August (2008-2017) indicates that more than 50% of the wells analysed have registered decline in ground water level, mostly in the range of 0-2 m, in the states/UTs namely Arunachal Pradesh, Assam, Bihar, Chandigarh, Dadra Nagar Haveli, Delhi, Haryana, Kerala, Meghalaya, Pondicherry, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal.





# Save Ground Water to Save Ecology

## 4. MoU/Agreement

### a) Tripartite MoU for Bridge cum Bandharas (BCBs) in Maharashtra

- The Central Ground Water Board has given the work of construction of Bridges cum Bandharas (BCB) at five locations (4 in Amravati and 1 in Wardha) in Maharashtra to M/s WAPCOS Ltd. In this regard, tripartite agreement of BCB in Maharashtra has been signed by the Regional Director, CGWB, CR, Vidarbha Irrigation Development Corporation (VIDC), WRD, Nagpur and WAPCOS Ltd. The Hon'ble Minister (MoWR, RD & GR) Sh. Nitin Gadkari was present during this signing of tripartite agreement at VIDC, Nagpur on 6th October 2018.



### b) MoU with Pt. Ravishankar University, Raipur, Chattisgarh

- RGNGWTRI has made a MoU with Pt. Ravishankar University, Raipur, Chattisgarh to collaborate for jointly conducting 10 month diploma course in "applied Hydrogeology" mutually sharing their resource and subject expertise and explore the scope for joint research projects. A committee is constituted to monitor the coordination between two organizations. RGNGWTRI and PRSU will collaborate in two phases. Broadly, in first phase a 10 month PG Diploma will be offered jointly by RGNGWTRI and PRSU. During phase two, the scope for academic interaction shall be worked out.



### c) Tripartite agreement among CGWB, WAPCOS & Rural Development Department, Govt of Telangana

- Tripartite agreement among CGWB, WAPCOS and Rural Development Department, Govt. of Telangana was signed on 03.11.2018 for implementation of Aquifer rejuvenation project in Bachannapeta Mandal, erstwhile Warangal district, Telangana State at Hyderabad

### d) Tripartite agreement among CGWB, WAPCOS & Minor Irrigation Department, Govt of Andhra Pradesh

- Tripartite agreement among CGWB, WAPCOS and Minor Irrigation department, Govt. of Andhra Pradesh was signed on 05.11.2018 for implementation of Aquifer Rejuvenation project in Pulivendula Mandal, YSR Kadapa District, Andhra Pradesh State at YSR Kadapa district, AP.

### e) Quadra-partite MoU for Construction of Artificial recharge Structures in Aspirational District of Osmanabad

- The Quadra-partite MoU for construction of Artificial Recharge Structures in Aspirational District of Osmanabad District through WAPCOS Ltd was signed at GSDA, Pune on 29-12-2018 by Sh. Somnath Bhattacharya, Head of Office, CGWB, CR, Nagpur; Shri. Kamble, Executive Engineer, Water Conservation Department, Osmanabad; Dr. Irfan Khan, Additional Director, GSDA, Pune and Dr. Muralidharan, WAPCOS Consultant



## Visit of Hon'ble Minister /Secretary /Chairman/Members

| Sl.No. | Name  | Place / Date                                       | Objective/Purpose  |
|--------|---|--|--|
| 1.     | Sh. Arjun Ram Meghwal, Hon'ble Minister of Water Resources, RD & GR and Sh. U. P. Singh, Secretary, MoWR, RD & GR | NIH, Roorkee<br>15.12.2018-16 .12.2018             | To attend the 40 <sup>th</sup> Foundation Day of NIH, Roorkee.   |
| 2.     | Sh. Jagmohan Gupta, Joint Secretary (FA) MoWR, RD & GR  | CGWB, WR, Jaipur<br>19-11-2018                     | To review the physical and financial progress of Drilling activities under NAQUIM through outsourcing under packages 2, 3 and 4, Rajasthan.  |
| 3.     | Shri Akhil Kumar, Joint Secretary, MoWR, RD & GR  | CGWB, SIO, Ranchi, Jharkhand<br>28.11.2018         | To hold a meeting in connection with Pradhan Mantri Krishi Sinchai Yojana (PMKSY) scheme, 2015 – 2020. He also advised to water resource department ranchi to constitute a separate cell for proper functioning of NHP as per instruction of MoWR. |
| 4.     | Shri Akhil Kumar, Joint Secretary, MoWR, RD & GR  | Kolkata, West Bengal<br>30.11.2018w                | To hold a meeting with the Principal Secretary, Govt. of West Bengal, on 30.11.2018, in connection with Pradhan Mantri Krishi Sinchai Yojana (PMKSY) scheme, 2015 – 2020.  |
| 5.     | Sh. Akhil Kumar, Joint Secretary, MoWR, RD & GR   | Uttarakhand Secretariat, Government of Uttarakhand | To hold discussions with Sh. Anand Bardan, Principal Secretary, Minor Irrigation and Irrigation Department regarding the PMKSY-HKIP and other issues of CGWB, UR, Dehradun on 19 <sup>th</sup> December 2018.                                      |
| 6.     | Sh. K C Naik, Chairman, CGWB  | NIH, Roorkee<br>15.12.2018-16 .12.2018             | To Deliver a key note address on "Perspectives on Water Management in India and future directions" and attended Foundation Day programed on 16 <sup>th</sup> December 2018.  |
| 7.     | Sh. Sampath Kumar, Member (South), CGWB   | Nagpur, Maharashtra<br>8.10.2018-10.10.2018        | To inspect the construction of Bridge cum Bhandara project at Amravati & Wardha District. He took review meeting of AAP 2018-19 along with progress of work in Aspirational Districts.   |

## Capacity Building

### 1. Training Programmes conducted by National Ground Water Training & Research Institute (NGWTRI).

A) Three types of training courses conducted under the aegis of RGI are as follows.

- Tier-I: Training courses are conducted in RGI, Raipur to impart training to ground water professionals, students, NGO etc.
- Tier-II: Training courses are conducted in Regional Offices for District level Officers and Officials of State Govt. Depts. for imparting knowledge and skills on principles of ground water, data generation, collection methodology and analyses for management of ground water resource.
- Tier-III: Trainings are imparted to the grass root level stake holders on basic skills of ground water and data collection and assistance in the field studies

| Sl. No. | Training Courses         | Cumulative up to December, 2018 |                     |                           |
|---------|--------------------------|---------------------------------|---------------------|---------------------------|
|         |                          | Training Conducted              | No. of Participants | No. of Women Participants |
| 1       | Tier-I (incl. chq trgs.) | 37                              | 634                 | 176                       |
| 2       | Tier-II                  | 12                              | 326                 | 82                        |
| 3       | Tier-III                 | 42                              | 5642                | 1789                      |
| Total   |                          | 91                              | 6477                | 2047                      |





**National Water Award 2018 (Last Date for Submission of Application extended to 07.02.2019)**

MoWR, RD & GR has been extended last date for submission of Application for National Water Awards to 07.02.2019. New category has been added "Best Water Regulatory authority" and "Best Newspaper in Regional Language" in the category of awards. The parameters(criteria) for all categories have been mentioned in the guidelines. All the applications may be sent at <https://mygov.in> or [tsmsml-cgwb@nic.in](mailto:tsmsml-cgwb@nic.in).



**B) Induction Level Training Course (2018-19)**

- Induction Level Training Course - ILTC (2018-19) course conducted by RGI, Raipur was inaugurated by Sh. G.C.Pati Member (HQ). The Training is meant for newly recruited Group A and Group B Officers of Central Ground Water Board. He delivered lecture on "Contribution of Ground Water to India'GDP.



Sh. G. C. Pati (Member), CHQ at inaugural function of ILTC Course 2018-19, at Raipur



Sh. G. C. Pati (Member) CHQ, delivering a lecture

**2. Public Interaction Programme (PIP)**

- Public Interaction Programmes (PIP) has been designed to take the findings of the National Aquifer Mapping and Management programme directly to the stakeholders. So far a total of 21 such programmes have been completed in various parts of the country. During the period October'18 to December'18 a total of 14 PIPs have been conducted in the states of Uttar Pradesh, Andhra Pradesh, Karnataka, Kerala, Maharashtra, Tamil Nadu, Telangana, Jharkhand, Odisha, West Bengal, Gujarat and Punjab.



Public Interaction Programme(PIP) "Aquifer Map and Management Plans of Chennur Mandal, Adilabad district, Andhra Pradesh" held at Chennur on 19.12.2018



PIP on Aquifer map and Management Plan held at shahapur taluk, Karnataka on 27<sup>th</sup> Sept. 2018



PIP on Aquifer Maps and Management Plan at Chittur, Palakkad District, Kerala

## Workshops / Seminars / Awareness Programmes

- Two days workshop for farmers was organised on "Rain water Harvesting & Groundwater Management" by Sh. G.Munghate Arts, & Science college, Kurkheda in collaboration with CGWB, CR Nagpur on 13.12.18 at Kurkheda Taluka, Gadchiroli District, Maharashtra. During this Workshop local groundwater issues along with RWH & GW management topics were covered.



Workshop on "Rainwater Harvesting & Groundwater Management" at Gadchiroli District, Maharashtra

- Sh G.C. Pati, Member, CGWB CHQ, Faridabad, Sh. P. K. Parchure, Member (East) & other senior officers attended workshop on Springshed Management at India Habitat Centre, New Delhi organised by Dept of Science & Technology & Swiss Agency for Development and Cooperation (SDC) at New Delhi.
- As a part of joint activity of MoWR, RD&GR and Ministry of Rural Development on water conservation under MGNREGA, officer from CGWB attended one day workshop on "Water Conservation" at village – Gavan Kund, Taluka – Warud, District – Amravati on 15.12.2018. The workshop was organised by the Warud Taluka administration in association with PAANI Foundation. As a part of the workshop, field visit was arranged near the village Gavan Kund in association with PAANI foundation where they had constructed few water conservation structures like earthen nala bunds, Gabbion structures, loose boulder structures etc.
- CGWB, Lucknow in Association with National Safety Council, Kanpur organized a workshop on Swachh Jal - Swasth Bharat in which more than 50 representative of workshop and around 100 ITI apprentice took a pledge on swachhta.

## Meetings / Interactions

- Officers from CGWB Regional offices attended the meeting of the Central Level Expert Group for overall re-assessment of Ground Water Resources of the country 2017 on 25.10.2018 at Jamnagar house, New Delhi to discuss about the GWRA-2017.
- Officers from CGWB Regional offices attended the first meeting to review the progress of Ground Water Modelling studies on 29th to 30th October 2018 at Faridabad and discussed regarding the role and work of mentors and mentees in the ground water modelling assignments for the year 2018-19.
- A meeting was held with BAARC Officers/Scientists on 12.11.2018 regarding Impact of Irrigation on Ground Water Resources through Isotopic Method in Regional Director's Chamber, Bhujal Bhawan, Chandigarh.
- Meeting of Consultative Committee of the Ministry of Water Resources on 20.11.2018 was attended by the Chairman Sh. K C Naik.
- The Second meeting of the State Ground Water Co-ordination Committee (SGWCC), Delhi for Re-estimation of the Ground Water Resources - 2017 was held on 22nd November, 2018 at 10:30 A.M. in the Conference Room of the Principal Secretary, Urban Development, Govt. of NCT, Delhi. The meeting was attended by Sh. S. K. Juneja, Officer Incharge.
- Sh. K.C.Naik, Chairman, CGWB attended meeting with Shri Avinash Champawat, Secretary, Water Resource Department, Chhattisgarh state and other State Govt. authorities / officers at Mahanadi Bhawan, Mantralaya, New Raipur on 30th November 2018.
  - A meeting held between Secretary, Water Resource, Chhattisgarh state and Chairman, CGWB, and Head of Office, NCCR, CGWB on 30.11.2018 regarding the implementation of PMKSY-HKPP during 2019-20 in Chhattisgarh state.
    - Regional Directors meeting was taken by the Chairman, CGWB Sh. K C Naik on 11-12 December 2018 at New Delhi to review the physical and financial progress of the Board. During the meeting, the Secretary (WR, RD&GR) has also interacted with the Regional Directors of CGWB and taken the review of progress.



## Upcoming Events

केन्द्रीय भूमि जल बोर्ड, उत्तरी क्षेत्र, लखनऊ दिनांक 29.01.2019 को लखनऊ में एक राज्य स्तर पर कार्यशाला आयोजित कर रहा है। कार्यशाला का विषय है: "उत्तर प्रदेश में भूजल प्रबंधन - जन सहभागिता की ओर बढ़ते कदम"। इसमें लगभग 500 व्यक्तियों द्वारा भाग लिया जाएगा, जिसमें उत्तर प्रदेश में जल ग्रामोंके ग्राम प्रधान, सरपंच, गैर सरकारी संगठन, उद्योगों और केन्द्रीय / राज्य सरकार के प्रतिनिधि शामिल होंगे। कार्यशाला का उद्देश्य उत्तर प्रदेश में भूजल से संबंधित महत्वपूर्ण मुद्दों को समझने और इसे नियंत्रित करने के लिए प्रभावी रणनीति तैयार करने में ज्ञान के संवर्धन के लिए एक मंच प्रदान करना है।

- Dr. Umesh Balpande, SHG has attended a meeting regarding the action plan for proposal of "Water Conservation and Groundwater Recharge" at Over exploited Warud Block, Amravati District under MGNREGA with District Collector, Amravati on 03.12.2018 and technical approval was accorded for initiating the work of Rs. 8.23 Cr. The proposal covers 33 habited and 5 inhabited villages. All the 38 villages are covered under 19 gram panchayat.



- Meeting of Potable Water Committee, a sub-committee constituted by **Eastern UP Rivers and Water Reservoirs Monitoring Committee (EUPRWRC)**, in pursuance to NGT directions in the matter of Meera Shuklavs Municipal Corporation, Gorakhpur to look into ground water quality problem in and around Gorakhpur, was held at UP Jal Nigam, Gorakhpur on **11.12.2018**.



## Publications

- Dr. P. K. Naik, Suptd. Hg. Co-authored a Paper titled "Evaluation of heavy metal contamination in soil using geochemical indexing approaches and chemometric techniques"-H. Rajkumar · P. K. Naik · M. S. Rishi, International Journal of Environmental Science and Technology. <https://doi.org/10.1007/s13762-018-2081-4>.
- CGWB, KR Region Thiruanathapuram, released two Aquifer Mapping and Management Reports of Trivandrum and Palakkad district (2017-18)- 5926 sq.km and two Special Study Reports carried out as per the direction of Secretary, Water Resources, Govt. Of Kerala (i) Special Study Report on Post Flood Hydrogeological Scenario in The Flood Plain Areas of Pamba River Basin and (ii) Special Study Report on Post Flood Hydrogeological Scenario In The Flood Plain Areas of Periyar River Basin
- Report on Ground Water Monitoring in Kerala during November 2018.

## Awards/Recognition

- Dr. S.C. Singh, Scientist, CGWB Honoured by Professor Sailesh Nayak, President Indian Geophysical Union (IGU) at 55th convention of IGU during 5-7 December, 2018. He delivered plenary lecture titled "Groundwater Resources and Advanced Geophysical Techniques"



## Miscellaneous

- **MGNREGA Field Visit:** Under MGNREGA, Dr. Umesh Blapande, SHG made two days field checks on 29-10-2018 & 30-10-2018 and inspected the progress for implementation of Water Conservation/ Artificial Recharge initiatives work in 8 out of 33 villages (19 Gram Panchayats) falling in water stressed blocks of Warudtaluka. Technical guidance was also provided for various types of AR structures proposed viz; earthen bund, gabion structures, CCT, farm ponds, recharge pits etc.



## Gallery



Addressed by Shri Raghubar Das .CM Jharkhand and attended by Chief Secretary and other principal secretaries of Jharkhand. From CGWB side Shri G.K.Roy, PiC attended the meeting. Meeting date-31/10/2018



Smt. T Rajeshwary, AS MoWR, RD & GR releasing Report on "Aquifer Mapping & Management plan of Palakkad District Kerala on 7.12.2018



Lecture by CGWB Scientist Sh. G.K.Roy at GSI Office



Secretary Water Resources, Kerala releasing the reports on "Impact of Kerala flood on Ground Water Resources in Periyar basin and Pampa basin at Secretariat Trivandrum" prepared by CGWB Kerala



Sh. Sampath kumar, Member (South) & Sh. S. K. Sinha, TS to Chairman, CHQ in Bangalore during 2nd review meeting of Groundwater Modelling outsourced to IISC, Bangalore



Dr. Sampath Kumar, Member South inspected the In-house drilling site at Tippasandra, Kunigal Taluk, Tumkur District of Karnataka



Resistivity survey for site selection at Army Station at Talbehat, Bundelkhand



Validation of Chemical Analysis by Dr. S.K.Srivastava, Sc-D & Dr Ram Prakash at Haryana Test House Panipat



Ion Chromatograph installed at NER Guwahati Lab (1<sup>st</sup> time in CGWB)

*"Let us Join hand together to Recharge the Ground Water"*

**Central Ground Water Board**  
**Ministry of Water Resources, River Development & Ganga Rejuvenation**  
**Government of India**  
**Bhujal Bhawan, NH-IV, Faridabad - 121001**  
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