

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.

02

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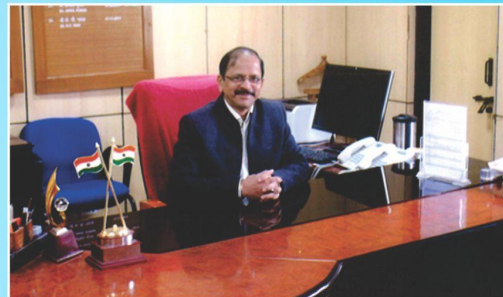
Mandate:

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, assessment, conservation augmentation, protection from pollution and distribution, based on principles of economic and ecological efficiency and equity.

Chairman's Desk



Message



It is a matter of great pleasure to inform that Central Ground Water Board, Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India is releasing its second volume of Ground Water News Bulletin July-September, 2018. This Bulletin highlights the various technical achievements, collaborative activities, major events and important meetings. I am sure it will certainly be helpful in dissemination of key information to extension functionaries, development experts, policy makers, researchers and other stakeholders.

I convey my sincere acknowledgement to all the Regional and State Offices of CGWB for providing valuable inputs to bring up this second volume of Ground Water News Bulletin successfully.


(K.C.Naik)

Major Events

1. 15th Everything About Water Expo 2018 "Where The Water Community Comes Together"

- Shri K.C.Naik, Chairman, CGWB was Guest of Honour in the South Asia's largest water expo held in Pragati Maidan, New Delhi from 23rd to 25th August with a clear focus on: Water Scarcity and Worsening Ground Water Quality, Drinking Water Need and Growth of Community Drinking Water, Waste Water Reuse and Recycling and Sea Water Desalination. It was one of the most unique and comprehensive annual water events in India showcasing latest technologies in the water and waste water management sector, in support of Central Ground Water Board, ASSOCHAM, TERI, MWRRA & Delhi Jal Board, is bringing one such platform to gather the experts from all over the world to discuss the challenges which India is facing today & find the sustainable solutions which can be implemented to solve water problem in India.



15th Everything About Water Expo 2018 held in Delhi

2. National Conference on "A New Policy Regime For Water In India"

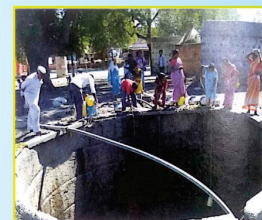
- Sh. K.C.Naik, Chairman, CGWB attended a National Water Conference at the India International Centre on August 27 in New Delhi hosted by Shiv Nadar University. He was a member of Panel Discussion on "Ground Water Management Challenges of Implementing of Atal Bhujal Yojna". The day-long workshop was attended by leading thinkers, researchers, policymakers and experts working on water-related issues and initiatives.



Sh. K.C.Naik, Chairman, CGWB speaking at Conference organized by Shiv Nadar University

3. Interview of Sh. K.C.Naik, Chairman, CGWB with "Down to Earth Magazine"

- In an interview with Down to Earth Magazine Sh. K.C.Naik, Chairman CGWB, informed that CGWB is a key partner of BARC in testing for Uranium in Ground Water. Till early 2018, 10,000 samples had been tested in the project by BARC where the role of CGWB was crucial. He also added that CGWB is planning to conduct regular Uranium analysis in its 16 Laboratories, if MoU is signed with BARC for Training and Capacity Building.



BARC plans to check 0.12 million groundwater samples for uranium contamination by 2019

4. 2nd International Conference on Trends & Recent Advances in Civil Engineering (TRACE 2018)

Sh. G.C.Pati, Member(East), CGWB, Chief Guest addressed the audience in the Inaugural function of the second edition of International Conference on Trends and Recent Advances in Civil Engineering (TRACE 2018), hosted by Department of Civil Engineering, Amity School of Engineering & Technology (ASET), Amity University Uttar Pradesh, Noida, India on 23rd & 24th August



Sh. G.C.Pati, Member(east) CGWB, Chief Guest at AMU Noida

5. Water Gallery, Raman Science Centre

- Sh. P.K. Parchure, Regional Director, Central Region, Nagpur being Chief Guest inaugurated the gallery on Water, created by Raman Science Centre at Nagpur on 14.08.2018 to create awareness among the community.



Sh. PK Parchure, Regional Director, CR, Nagpur Chief Guest at Raman Science Centre, Nagpur



Save Ground Water to save Ecology
DON'T YOU THINK SO?

6. National Water Award

- Ministry of Water Resources, River Development & Ganga rejuvenation is providing the National Water Award to encourage the stakeholders to adopt holistic approach towards water resources management in the country. Award will be given in 13 categories. States have been grouped under different zones. Under Aspirational District Category, the Districts will be as per Aspirational Districts Programme of NITI Aayog. Irrespective of the category, all the applications may be sent either through Mygov platform at <https://mygov.in> or mail to Central Ground Water Board at the given given e-mail address: tsmsml-cgwb@nic.in The last date for submitting the entries is 30th November, 2018. November, 2018.



National Water Award

Capacity Building

1. Mentoring Skill programme at RGI

- The Training Course on “Mentoring Skills (Batch-2)” was conducted during 28 to 30 August 2018 in Studio 2 of Courtyard-Marriott Hotel, Raipur, Chhattisgarh. This course was organized exclusively for Regional Directors /Heads of Offices of CGWB officers to develop mentoring skills which could help in development of young officers in technical as well as administrative capabilities



Training Programme organized by NR Region, CGWB at AMU, Aligarh

2. Training Programme conducted by CGWB, SWR, with MGNREGA

- CGWB, SWR, Bangalore conducted training on “Implementation of the Proposal of Water Conservation and Ground Water Recharge in the Identified Water Stressed Block” Gouribidanur Taluk, Chikballapur taluk, Karnataka for 93 participants including PDO's, Engineers of Chikballapur districts in coordination with MGNREGA from 23rd to 25th July 2018.

3. Training Programme cum Field demonstration at AMU, Aligarh

- CGWB, Lucknow(NR) Region organized Training programme-cum-field demonstrations on data generation and scientific studies through ground water exploration under National Aquifer Mapping and Management (NAQUIM) programme on 18.09.18 at exploratory drilling sites in Aligarh Muslim University (AMU), Aligarh premises. About 80 postgraduate students attended the training.



Group Photo of Regional Directors/HOO, CGWB on completion of Mentoring Skill Programme

4. Training Programme conducted by NGWTRI

- National Ground Water Training & Research Institute (NGWTRI) conducted 27 Tier-I (Including CHQ Training), 7 Tier-II and 33 Tier –III training programme during July –Sept 2018 in which 5116 persons got trained. Out of 5116 Persons ,1489 were female participants.
- Out of 33 Tier –III Training Programme , 25 Tier –III Training Programme were conducted in Aspirational Districts of various states like Maharashtra, Madhya Pradesh, Gujarat, Haryana, Karnataka, Chattisgarh, Jharkhand, Orissa, Assam, Tamil Nadu, Uttar Pradesh, Andhra Pradesh, Bihar, Rajasthan.



Tier- II training Programme at Dahod district, Gujarat



Tier- III Training on "Local ground water issues and participatory ground water management" organised by CGWB, NER at Damra Patpara village, Dudhna, Goalpara District, Assam



CGWB, WR, Jaipur first organized Tier- II Training Programme at their Regional office



CGWB, MER organised one day Tier- III Training Programme in Aspirational district Begusarai, Bihar



Tier II Training Programme at Kanker, Kanker dist, Aspirational dist, Chhattisgarh

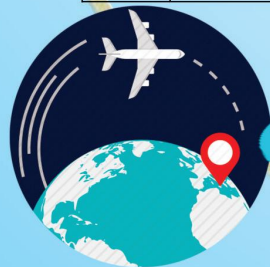


CGWB Lucknow has organized Tier- III Training Programme at Kurbi, Chitrakoot.



Visits Of Higher Officials

Sl.No.	Name	Place / Date	Objective/Purpose
1.	Shri. Arjun Ram Meghwal, Hon'ble Minister of State, MOWR, RD & GR	Bengaluru, Karnataka 29.07.2018	To review the progress of work carried out by CGWB under drilling through Outsourcing by M/s Wapcos and M/s South West Pinnacle Ltd.
2.	Shri. Arjun Ram Meghwal, Hon'ble Minister of State, MOWR, RD & GR	Bhubaneswar, Odisha. 29.08.2018	To review the activities of Mahanadi and Eastern River Organization, Central Water Commission. As per the protocol the officers viz. Dr. N.C. Nayak, Scientist-D, Sh. B. K. Sahu, Scientist-D and Sh. A. Choudhury, AHG attended the meeting Chaired by the Hon'ble Minister at Mahanadi Bhawan, CWC, Bhubaneswar. There was a discussion on progress of the work donew in the CGWB meeting.
3.	Shri. Arjun Ram Meghwal, Hon'ble Minister of State, MOWR, RD & GR	Patna, Bihar 31.08.2018	He took Review Meeting of Different organizations under MOWR, RD& GR in Sichai Bhawan, Patna. A short Presentation was made about the Activities of CGWB, MER Patna
4.	Shri. Arjun Ram Meghwal, Hon'ble Minister of State, MOWR, RD & GR	Pune, Maharashtra 14.09.2018	Graced the Regional Workshop on "State Specific Action Plan-Water Sector (SSAP)" as the Chief Guest. The Workshop was organized by National Water Mission at Pune for the stakeholders and experts of the States/ UTs which included Maharashtra, Gujarat, Chhattisgarh, Goa, Daman & Diu, A&N Islands, Madhya Pradesh, Rajasthan, Lakshadweep and Dadra & Nagar Haveli.
5.	Sh. U P Singh, Secretary, MOWR, RD & GR	Lucknow/ Kanpur 12.08.2018- 14.08.2018	Chaired meeting with State Government officials regarding PMKSY and NHP on 14.08.2018. Regional Director along with senior officers attended the meeting.
6.	Shri U P Singh, Secretary, MOWR, RD & GR	Punjab 15.09.2018	Visited various irrigation projects of Punjab State Govt. and discussed with State Govt. Departments and held a meeting with Sh. Anoop Nagar, Regional Director and officers of NWR on dated 15.09.2018.
7.	Shri U P Singh, Secretary, MOWR, RD & GR	NE Region 27.09.2018	Inaugurated a seminar organized by Brahmaputra Board, Govt. of India on "Synergy among organizations working in water resources sector in NE Region" and chaired PMKSY/FMP/RRR Projects meeting at Assam Water Research and Management Institute, Basistha
8.	Sh. K.C.Naik, Chairman	Uttrakhand 10-13 July, 2018	Meeting of the consultative committee of MoWR, RD & GR at Mussoorie, Uttrakhand.
9.	Sh. K.C.Naik, Chairman	Mumbai & Kalimpong (West Bengal) 24-28 August, 2018	Study visit of Parliamentary Standing Committee on Water Resources to Bekal (Kerala), Mumbai and Kalimpong (West Bengal).
10.	Dr E.Sampath Kumar Member (S)	SECR Chennai 10.08.2018	Meeting with the officers of SECR and Division IV, Chennai. He reviewed the progress of works. Held meeting with the Managing Director, REPL at CGWB, SECR, Chennai reg. the progress of outsourcing work of construction of 392 wells in Tamil Nadu and discussed on the request made by REPL to extend time limit for completion of the work.
11.	Dr E.Sampath Kumar Member (S)	Pune 09.09.2018	Review the progress of implementation of Groundwater Management and Regulation scheme in Osmanabad district (Aspirational district), Maharashtra team of officers. Dr. Muralidharan, WAPCOS consultant was also present during the visit.



Visit



Save Ground Water to save Ecology
 DON'T YOU THINK SO?

Achievements

1. High Yielding Wells

- The exploratory well drilled up to 200 m bgl in basaltic terrain at Haral village, Risod taluka, Washim district developed artesian condition with auto flow. The productive zones encountered at 126.50 - 129.60 m bgl. The quality of ground water is fresh and potable.
- The well drilled down to depth of 126.60m bgl at Dapuri village in the Risod taluka of Washim district yielded discharge of 3.17 lps . The aquifer is fractured vesicular basalt and productive zones were encountered at 10.60 -13.70 and 59.40-62.50 m bgl. The static water level recorded was 55.08 mbgl.
- The exploratory well drilled down to depth of 177.50 m bgl at Nimone village in the Shirur taluka of Pune district recorded a discharge of 12.18 lps. The aquifer is in fractured vesicular basalt and productive zones were encountered at 105.30 - 108.30 mbgl, 111.40 -114.40 and 129.70 - 132.70 mbgl. The static water level recorded was 11.15 mbgl.
- One Exploratory Well drilled at Belora, Nandgaon Khandeshwar Taluka, Amravati distt., Maharashtra state yielded 17.92 lps of discharge. The zone encountered between 105 to 107 mbgl with static water level of 4.23 mbgl.
- Fresh Water aquifer zones are identified and delineated up to 300 m bgl depth at in salinity infested Krishna delta (Vallurupalem village), Krishna district of Andhra Pradesh.
- One exploratory well drilled at Etoe village, Nabagram block, Murshidabad district down to depth of 115mbgl, granular zone (67-79, 85-91, 106-112mbgl) tapped and yield was 38 lps.
- Exploratory borehole drilled at Amba Village, block Sardarpur, district Dhar of NCR Bhopal (Madhya Pradesh State) yielded Around 19 lps (litres per second) discharge. The fractured zone encountered between 21-25, 48-50, 97-99 and 152-154 mbgl with static water level of 6.7 mbgl (meter below ground level).
- Exploratory borehole drilled at Sandla village, block Sardarpur, district Dhar of NCR Bhopal (Madhya Pradesh State) yielded 25 lps discharge. The fractured zone encountered between 27-28, 88-82, 116-120 and 125-128 mbgl with static water level of 39.8 mbgl.



Auto Flow Well in Washim District, Maharashtra



High Yielding wells at Dapuri, Risod Taluka, Washim District, Maharashtra



High Yielding wells at Nimone, Shirur Taluka, Pune District, Maharashtra

2. Sharing of Aquifer Maps and Management Plan with District Authorities

- CGWB is regularly sharing Aquifer Maps and Management Plan with DM/DC of respective states. In this regard, Aquifer Maps and Management plan have already been shared in the state/UTs of Andhra Pradesh, Bihar, Haryana, A&N Islands, Jharkhand, Kerala, Maharashtra, Odisha, Punjab, Rajasthan, Tamil-Nadu, Telangana, and Uttar Pradesh & UT of DNH during the period of July-Oct, 2018.



Presentation of Aquifer Maps and Aquifer Management Plan to the District Collector of Bhilwara, Rajasthan

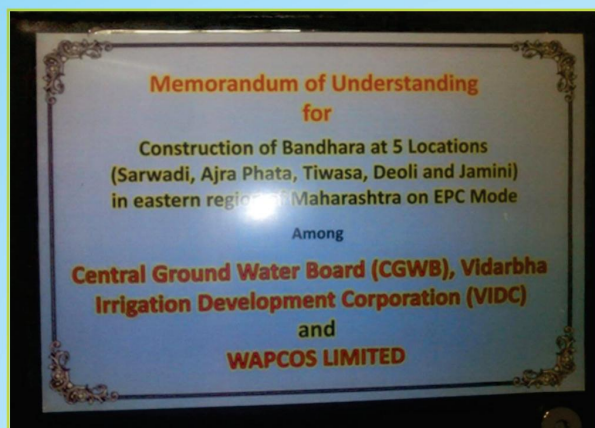


Presentation of Taluka-wise Aquifer Maps and Aquifer Management Plans to the District Collector of Akola, Maharashtra
 Sh. Astik Kumar Pande, IAS at Collectorate Office, Akola. Maharashtra



3. Institutional Collaboration / MoU / MoA

- A Tripartite MoU signed between Central Ground Water Board, Vidarbha Irrigation Development Corporation, Govt. of Maharashtra and WAPCOS Limited for construction of five Bridge cum Bandharas in Wardha & Amravati districts of Maharashtra on dated 6.10.2018 at Nagpur in Gracious presence of Hon'ble Minister Sh. Nitinji Gadkari, MoWR, RD& GR.



Sh. Nitin Gadkari, Hon'ble Union Minister MoWR, RD & GR, during signing of MoU on 06.10.2018 in Maharashtra.

- MoA signed between CGWB and WAPCOS Ltd. on 31.08.2018 for Ground Water Recharge Projects in Aspirational districts -Pulivendula block , District YSR Kadapa, Andhra Pradesh and Bachennapet block ,District Warangal, Telangana.
- MoU signed between CGWB and WAPCOS Ltd. on 13.09.2018 for Advance Geophysical Survey during the Year 2018-19 with the aim to Vertical Electrical Sounding (VES) in 12 states viz. Karnataka, Goa, Tamilnadu, West Bengal, Jharkhand, Orissa, Maharashtra, Uttarakhand, Uttar Pradesh, Jammu & Kashmir, Himachal Pradesh and Madhya Pradesh.
- MoA between CGWB and NIH, Roorkee for analysis of stable isotopes in ground water from Aquifer mapping areas extended up-to March 2020. Signed on 20th September'2018.



Sh. G.C.Pati, Member, CGWB and Sh. Sanjay Marwah, R.D. with the officer of NIH Roorkee

Meetings/Interactions

- The Regional Director, CGWB Ahmedabad along with other officers attended meeting with Prof Sunil Maheswari, HRM and Strategic Management, IIM, Ahmedabad in connection with restructuring of CGWB on 06.07.2018 at IIM, Ahmedabad.
- CGWB officers from Lucknow attended meeting on 'Bundelkhand Integrated Water Resources Management, UP Multi Stakeholder Platform' organised by Water Resource Group (WRG 2030) on 10.07.2018 between the Chief Secretary, Government of UP and Israeli delegation headed by the Israeli Ambassador to India, H.E. Daniel Carmon. Deliberations were held on various issues for water management in Bundelkhand Region, UP including execution of MoU signed between Israel and UP Jal Nigam.
- Dr P Nandakumaran, Member, CGWB and Regional Director, CGWB, WCR, Ahmedabad along with professionals from World Bank attended the meeting with the Special Secretary (Water Resources), Govt. of Gujarat on 11.07.2018 at Gandhinagar in respect of Atal Bhujal Yojana.
- The Regional Director, Ahmedabad attended meeting with Shri B N Navalawala, Advisor Water Resources to Hon'ble Chief Minister of Gujarat to discuss "Action Plan for study of the Potential of Palaeochannels in Ahmedabad and Kachchh Districts for Aquifer Storage and Recovery" held on 12.07.2018 at Gandhinagar.





CARE FOR WATER BEFORE IT BECOMES RARE

DON'T YOU THINK SO?

5. Dr. S. Sahu, Scientist-C, CGWB attended meeting during 11.07.2018 to 14.07.2018 at Gandhinagar under the Chairmanship of Sh. B.N.Navalavala, Advisor to Hon'ble Chief Minister of Gujrat on proposal of taking of detailed study of ground water resources availability, development, potential and feasibility and feasibility of artificial recharge in palaeochannels in the state.
6. Nodal Officer of CGWB attended a meeting with Sh. A. S. R. Naik (IAS), Commissioner (MGNREGS), Maharashtra in his office at Nagpur on 24th July 2018 for preparation of proposal for Water Conservation and Groundwater Recharge in Warud taluka of Amravati district.
7. A meeting on '**Study Visit of Parliamentary Standing Committee on Water Resources to Maharashtra**' was held at **Mumbai on 25-08-2018**. The Parliamentary Standing Committee was headed by **Sh. Rajiv Pratap Rudy, Hon'ble M.P.** The meeting was attended by **Shri. K.C. Naik, Chairman, CGWB**, Shri. P.K. Parchure, Regional Director and other officers of CGWB.
8. Standing Committee on Water Resources visited Kalimpong in West Bengal from 26.08.2018 to 28.08.2018 as a part of Study Visit. The meeting was chaired by **Hon'ble Member of Parliament Sh. Rajiv Pratap Rudy. Sh. G. C. Pati, Member (East), CGWB**, Sh. A. K. Agarwal, Regional Director, CGWB, MER, Patna, Shri J.C. Borgohain, Regional Director, CGWB, ER, Kolkata, and Shri Amlanjyoti Kar, Superintending Hydrogeologist, CGWB, ER. The Meeting was regarding implementation of various projects including Accelerated Irrigation Benefits Programme (AIBP), Repair Renovation and Restoration (RRR) of Water Bodies, Command Area Development & Water Management (CAD&WM) and flood situation in the State of West Bengal
9. Dr. B. Umapathi, Scientist-D (Sr. HG) from SECR Chennai participated through Video Conferencing in the meeting conducted under the Chairmanship of Hon'ble Justice Shri Adarsh Kumar Goel, Chairperson, National Green Tribunal on 10.09.2018. The issue of the meeting was "Rejuvenation / Restoration of Water Quality of Polluted River Stretches in the country".
10. Sh. G. C. Pati, Member (East), CGWB attended meeting of Division Council and Sectional Committee on 12.9.2018 with DG, BIS at BISHQ, New Delhi.
11. Dr. N. Vinayachandran, Scientist-D attended the brain storming session on "Recent landslides and floods of Kerala" held on 14th September 2018 in Kerala University.
12. Sh. V. Kezo, Scientist-B, NER, Guwahati attended 1st State Level Steering Committee Meeting organised by Water Resources Department, Govt. of Nagaland on 6th Minor Irrigation Census & Census of Water Bodies at Dimapur on 14/09/2018.
13. Sh. G. C. Pati, Member (East), CGWB attended interaction with the participants of phase- t(3) Mid Career Training (MCI) of IFS officers programme at Teesta Hall (Vayu wing), Indra paryavaran Bhawan, New Delhi on 19.9.2018.
14. Sh. Dinesh Tewari, Sc "D" attended the meeting under the chairmanship of Sh. Prashant Bhardwaj, Deputy Chairman, Haryana State Heritage Development Board (HSHDB) to discuss on Artisan conditions along Palaeo Channels of River Sarasvati in Haryana on dated 19.09.2018.
15. Sh. G.C.Pati Member (East) attended meeting with BARC officers, at Mumbai from 23 to 25 Sept. 2018, regarding possible collaboration for study of Uranium in Ground Water.
16. Regional Director, CGWB Kerala attended the meeting on "Study on Kerala Flood 2018" held on 25th September 2018 chaired by Secretary (WR) at Govt. Secretariat, Trivandrum.
17. Sh. G.C.Pati Member (East) attended first meeting of the committee to collect/compile metadata of all springs in hilly states pan India at CGWB, Jamnagar House, New Delhi on 28.9.2018.
18. CGWB Officers attended two days Modelers meet under National Hydrology Project on 26.09.2018 to 27.09.2018 at New Delhi.

19. A brainstorming session was organized at CGWB on increasing importance of hydrological analysis including baseflow estimation and stream Aquifer interaction. Chairman, CGWB highlighted the importance of baseflow in sustaining the river system and emphasized to take a pilot study for baseflow estimation from CGWB.



A brainstorming session on baseflow estimation at CGWB CHQ, Faridabad

Workshops/Seminars/ Awareness Programmes

- Workshop on State Specific Action Plan –Water Sector(SSAP)

Sh. Arjun Ram Meghwal, Hon'ble Minister of State for Water Resources inaugurated Regional Workshop on State Specific Action Plan-Water Sector (SSAP) on 14-09-2018 Pune as Chief Guest on the occasion. The workshop was organized by National Water Mission (NWM) for the stakeholders and experts of the States/ UTs to discuss and finalize a template for formulation of SSAP for Water Sector.



Sh. Arjun Ram Meghwal Hon'ble MoS, MoWR, RD & GR as a chief guest during workshop on SSAP

- Sh. R. Arumugam, Scientist-D participated in the Inception Workshop-cum-technical consultation on Revision of State Action Plan on Climate Change organised by the Department of Environment, Govt. of Tamil Nadu at Anna University, Chennai on 20.09.2018.
- One-day Public Interaction programme on Aquifer Mapping and Management was organized at Jal Gram Kasraon, Hathgaon block, Fatehpur district (Aspirational) on 19.07.2018. Around 300 School Children and 70 women also participated in the programme.
- One day Awareness programme on State specific ground water issue was organised under NHP at Agartala Tripura on 30.07.2018. Sri R. K. Kalita, Scientist D delivered two lectures on Rain Water Harvesting, Water Conservation & Artificial Recharge from Geohydrological perspective for BDO & Engineers at State Institute of Rural Development & Panchayati Raj, Govt. of Arunachal Pradesh at Itanagar.
- Sh. D. Subba Rao, Regional Director, CGWB- Hyderabad inaugurated the training programme on "Geophysics for Groundwater Exploration and Management" organised by CSIR-National Geophysical Research Institute, at Hyderabad from 17-22, September, 2018.

Publications

- Annual General Report 2017-18 of Kerala Region.
- Scientific Paper "**Ground Water Quality and Hydrogeochemical Process in Phreatic Aquifer of Odisha, India**" by Dr. S. Sahu.
- Leh District Ground Water Brochure published.
- Ground Water information booklet of UT of Lakshadweep, August 2018.
 - Paper titled "Groundwater Management in contrasting Ground Water Regimes in hard rock aquifers, parts of Nalgonda district, Telangana State" by G.Praveen Kumar et.al. is published in the Journal of "**Centre of Groundwater Studies - Vol.XI July, 2018**".



PRESERVE OR PERISH-WATER IS LIFELINE

DON'T YOU THINK SO?

Hindi

- दिनांक 14.9.2018 से 28.9.2018 तक हिन्दी पखवाड़े का आयोजन किया गया। इस दौरान राजभाषा संबंधी कई प्रतियोगिताएं आयोजित की गईं।
- जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय द्वारा 07.9.2018 को पुणे में आयोजित द्वितीय राजभाषा सम्मेलन में बोर्ड मुख्यालय से प्रतिनिधियों ने भाग लिया।



Sh. K.C. Naik, Chairman, CGWB addressing gathering on 14.09.18 (Hindi Pakhwada) at CGWB CHQ, Faridabad

Miscellaneous

1. Kerala Flood Donation

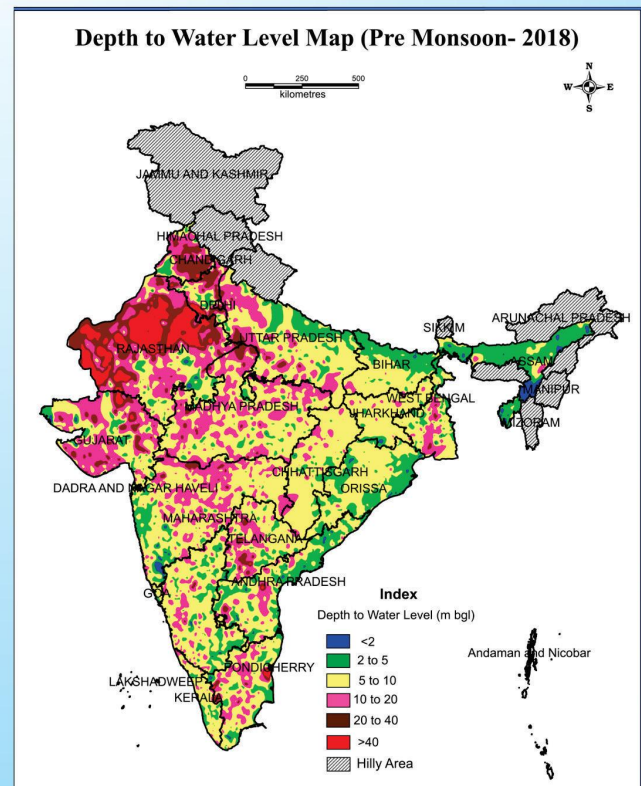
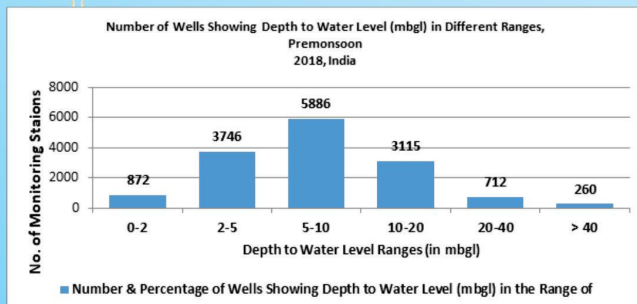
- To rebuild the lives of people of Kerala severely affected by disastrous flood, Regional Director, KR, CGWB handed over Cheque of Rs. 51600/- towards Chief Minister's Distress Relief Fund contributed by Officers and Staff of Kerala region.



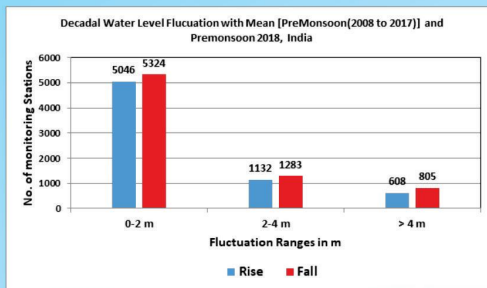
Regional Director, Kerala region, CGWB presenting a Cheque to Sh. Pinarayi Vijayan, CM, Kerala

Ground Water Level Scenario - Premonsoon 2018

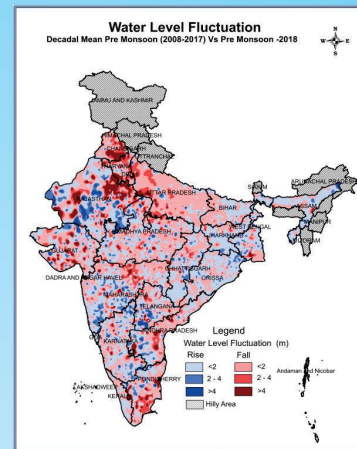
- Ground water level data of Premonsoon 2018 for the country reveals that the general depth to water level of the country ranges from 5 to 20 m bgl. To be more specific, in major parts of the country, water level is observed to be in the range of 5 to 10 m. Very shallow water level of less than 2 m bgl is also observed locally, in isolated pockets, in few states, such as Assam, Andhra Pradesh, Maharashtra, and Odisha. Major part of the state of Assam shows water level in the range of 2-5 m bgl. In the eastern coastal region of Odisha and Andhra Pradesh, water level of 2-5 m bgl can be observed. 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 and Rajasthan, water level of more than 40 m bgl is also recorded. Also, small pockets in Tamil Nadu shows water level of more than 40 m bgl. The peninsular part of country recorded a water level in the range of 5 to 20 m bgl. The maximum depth to water level of 114.00 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 Premonsoon 2018 with decadal mean of Premonsoon (2008-2017) indicates that more than 50% of the wells analysed have registered decline in ground water level in major part of the Country, mostly in the range of 0-2 m, except in few states/UTs namely Arunachal Pradesh, Assam, Goa, Jharkhand, Karnataka, Kerala, Odisha, Pondicherry, Rajasthan, Telangana, Tripura and West Bengal.



- Decline of more than 4 m has also been observed in pockets in the states/UTs of Andhra Pradesh, Chandigarh, Chhattisgarh, Dadra & Nagar Haveli, Daman & Diu, Delhi, Gujarat, Haryana, Jammu & Kashmir, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Telangana, Tripura, Uttar Pradesh and Uttarakhand.
- Rise in water level is also seen in few states, mostly in the range of 0-2 m, such as Assam, Goa, Jharkhand, West Bengal, Odisha etc.



पानी आस है पानी प्यास है

आज जो पास है, पर शायद
कल बन सकती है एक तलाश,
पानी आस है पानी प्यास है।
हर जगह आम है, फिर भी खास है
पानी जीवन का अहसास है।
सरल होकर भी विरल है
कभी अमृत है तो कभी गरल है
निराकार होकर भी इसका आकार है
पानी ऊर्जा-स्फूर्ति का आधार है।
पंचतत्व का ये अहम् किरदार
जीवन के लिए अनिवार्य है।

कई संस्कृतियों ने पानी को दिया सर्वोच्च स्थान है,
मगर फिर भी मनुष्य इसके महत्व से नजर आता अनजान है।
पूरी मानवता जिसके गुणों से पोषित है
आज वही पानी उनसे ही प्रदूषित है।
रवैया बदलने की जरूरत है अब आन पड़ी
चेतावनी दे रही प्रकृति भी घड़ी-घड़ी।
पानी जो जगाये नवचेतना
थोड़ी तो उसके प्रति भी हो संवेदना।
आज जो पास है पर शायद
कल बन सकती है एक तलाश,
पानी आस है पानी प्यास है।

“Let us Join hand together to Recharge the Ground Water”

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