

# GROUND WATER NEWS



## Central Ground Water Board (CGWB)

Department of Water Resources, River Development and Ganga Rejuvenation












Ministry of Jal Shakti

Government of India

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

07

### INSIDE

-  NAQUIM
-  Ground Water Monitoring
-  MoU/MoA
-  Launching of Atal Bhujal Yojana (ATAL JAL)
-  Capacity Building
-  Visit of Higher Officials
-  Workshop/Lecture/Talk
-  Award/Recognition
-  Awareness Raising Programme
-  News Paper Clips
-  Gallery

#### CGWB 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



I take this opportunity to announce two major achievements of Central Ground Water Board during Oct-Dec, 2019. The most significant achievement is the launching of Atal Bhujal Yojana (ATAL JAL) by the Hon'ble Prime Minister Sh. Narendra Modiji on 25th December, 2019- the birth Anniversary of Former Prime Minister Shri Atal Bihari Vajpayeeji. ATAL JAL has been designed with the principal objective of strengthening the institutional framework for participatory groundwater management and bringing about behavioral changes at the community level for sustainable

groundwater resource management in seven States, viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. Implementation of the scheme is expected to benefit 8353 Gram Panchayats in 193 blocks covering 78 districts in these States.

The other significant achievement is that an MoU was signed between Central Ground Water Board and MARVI Partners at Dr Ambedkar International Centre, New Delhi on 22.11.2019. The scope of MoU covers (a) Cooperation in training, education and research to achieve water security for agriculture, urban, industrial and environmental purposes & (b) Grassroots and village level capacity building and support for ground water monitoring and management and improve livelihood of village communities in India.

This issue of Ground Water News brings out the achievements in major activities of the Board during the period Oct-Dec, 2019. The success of the Newsletter depends on your comments, contributions and ideas. We welcome thoughts and feedback of readers with regard to additional items which can be included.

**(G. C. Pati)**  
**Chairman, CGWB**

## National Aquifer Mapping and Management Programme (NAQUIM)

- Central Ground Water Board (CGWB) initiated the Aquifer Mapping and Management (NAQUIM) Programme in 2012 which is one of the largest endeavours of its kind in the world. With an aim to support effective management of ground water resources in the country, the NAQUIM programme involves i) Delineation and characterization of aquifers, ii) preparation of maps and management plans and iii) sharing the maps and management plans. Out of the total geographical area of nearly 33 lakh km<sup>2</sup> of the entire country, an area of ~25lakh km<sup>2</sup> mappable area has been identified to be covered under NAQUIM programme in phases. So far nearly half of the mappable area has already been covered. Highlights related to NAQUIM activities during the period October-December 2020 are summarized below.

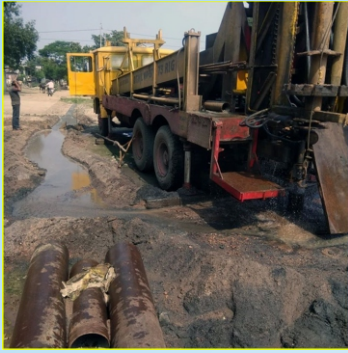
### 1. High Yielding Wells

- As part of NAQUIM studies, ground water exploration has been carried out to fill the data gap for deciphering disposition of aquifer systems and evaluating aquifer parameters. The areas with high yielding wells are studied to include in Aquifer Management Plan. During the quarter Oct- Dec, 2019 a total of 31 numbers of high yielding wells (more than 180 litre per minute –discharge) have been drilled/constructed during ground water exploration programme of CGWB in different states. The location details and the discharge of the few wells are outlined as under.



- No. of High Yielding Wells Drilled -8
- Name of State -Karnataka, Odisha and Jharkhand
- No. of High Yielding Wells Drilled -13
- Name of State -Maharashtra, West Bengal, Jharkhand, Chhattisgarh, Tamil Nadu, Andhra Pradesh, Telangana and Karnataka
- No. of High Yielding Wells Drilled - 10
- Name of State -Jharkhand, Telangana, Maharashtra, Karnataka & Uttar Pradesh

State	District	Drilled down to a Depth Meter Below Ground Level (mbgl)	Discharge in Litre Per minute (lpm)
Maharashtra	Satara, Nagpur ,Wardha	160-200	190-740
Karnataka	Tumkur, Ramnagar, Belaghavi, Mandya, ,Mysore	120-200	180-504
Jammu & Kashmir	Udhampur	110	180
Jharkhand	Girdih, Deoghar, Dhanbad	90-210	200-740
Tamil Nadu	Madurai, Sivaganga i	200-220	200-265
Andhra Pradesh	Kadapa,YSR Kadapa	128-142	255-256
Telangana	Khamman, Bhadradi Kothagudem	156	250-1970
Odisha	Keonjhar	184	261
West Bengal	Medinipur	147	1140
Uttar Pradesh	Ambedkar Nagar	90	4248



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

- During the quarter Oct- Dec, 2019 the Aquifer Maps and Management Plans prepared by CGWB for Chhattisgarh, Maharashtra, Meghalaya and J & K States have been shared with State Govt. and presentations were made before State Ground Water Coordination Committee of the respective States. Dr. P. K. Jain, HOO, CGWB, Nagpur handed over NAQUIM reports pertaining to Osmanabad, Washim, Buldhana, Aurangabad, and parts of Pune and Amravati districts of Maharashtra State.



Presentation of NAQUIM Reports by CGWB covering 19967 sq. km. area of Chhattisgarh State at State Ground Water Coordination Committee meeting on 31.10.2019



Presentation of Aquifer Management Plan covering West Garo Hills, West Khasi Hills and South West Khasi Hills districts at State Ground Water Coordination Committee meeting chaired by Secretary & Commissioner, Water Resource Department, Government of Meghalaya on 19.12.2019.



Aquifer mapping reports of Outer Plains of Jammu Province (3000 sq. km); Rajouri, Udhampur Dun belt (1286 sq.km) & Kashmir Valley (5200 sq. km) area were being shared with State Ground Water Coordination Committee (SGWCC) on 02.12.2019 at J&K Secretariat, Jammu.



Presentation of Aquifer Management Plan covering 320390 sq km area of Maharashtra at State Ground Water Coordination Committee meeting chaired by Principal Secretary, Water Supply & Sanitation Department, Government of Maharashtra on 18.12.2019.

## 3. Public Interaction Program (PIP) under National Aquifer Management (NAQUIM)

- In addition to sharing the NAQUIM outputs to State Authorities, PIPs are being conducted by CGWB to share the outputs to locals. This enables the public for of ground water management at local level. During the quarter, a total of 53 numbers of Public Interaction Programs were conducted under the NAQUIM Program and 5338 persons participated.





Ghatmunda, district Jashpur, Chhattisgarh on 03.10.2019 (CGWB, NCCR, Raipur)



Rengale, district Jashpur, Chhattisgarh on 22.10.2019 (CGWB, NCCR, Raipur)



Mankui, block Pancemal, district Barwani, Madhya Pradesh on 20.11.2019. (CGWB, NCR, Bhopal)



Raikhed, block Pancemal, district Barwani, Madhya Pradesh on 20.11.2019 (CGWB, NCR, Bhopal)



Nimapada, district Puri, Odisha on 06.12.2019 (CGWB, SER, Bhubaneswar)



Pahala, district Cuttack on 17.12.2019 (CGWB, SER, Bhubaneswar)



Satmile, district Dhenkanal, Odisha on 18.12.2019 (CGWB, SER, Bhubaneswar)



Nemalo Gram Panchayat, Salepur, district Cuttack on 20.12.2019 (CGWB, SER, Bhubaneswar)

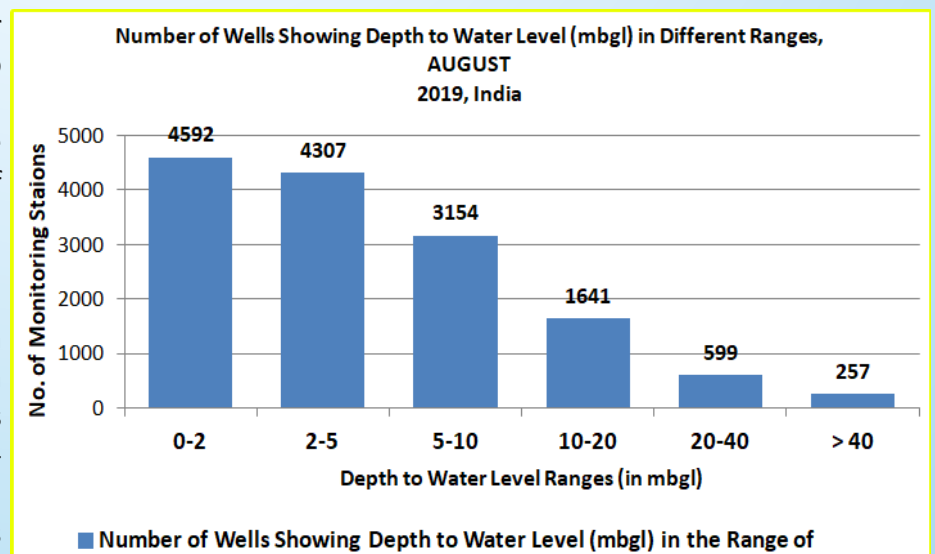


Kadinamkulam Panchayat, Pothangod block, district Trivandrum, Kerala on 20.12.2019 (CGWB, KR, Trivandrum).

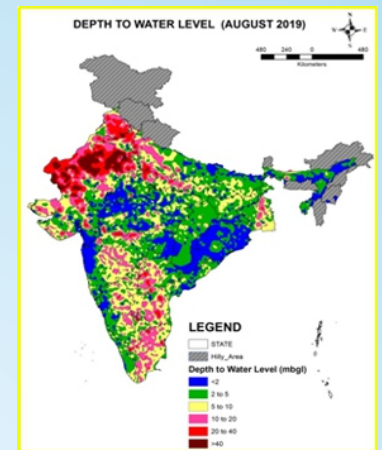
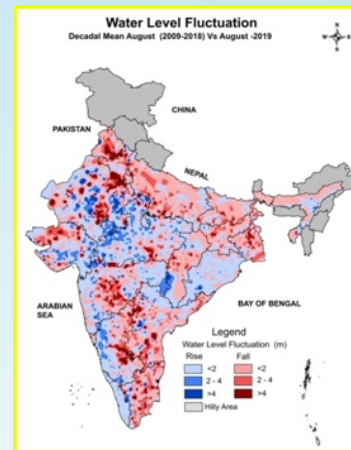
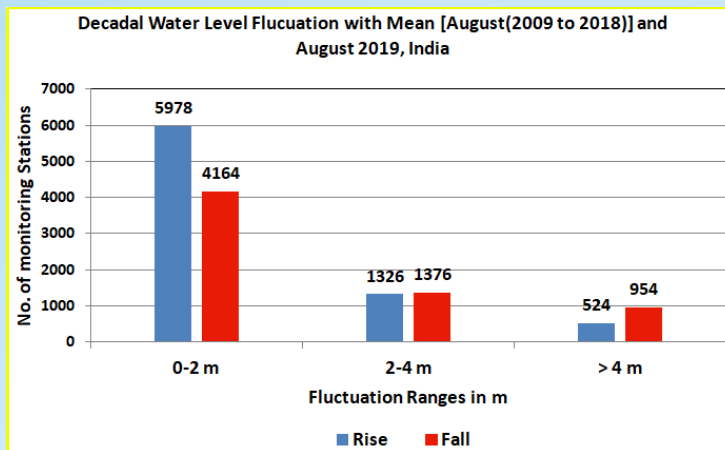
## Ground Water Monitoring

### Ground Water Level Scenario

- Ground water level data of August, 2019 for the country reveals that the general depth to water level of the country ranges from 0 to 5 m below ground level (bgl). Almost 62% of the wells analysed show water level in the range of 0- 5 m bgl. Almost 30% of the wells analysed show water level in the range of 2 – 5 m bgl, especially in the states of Uttar Pradesh, Bihar, Jharkhand, Chhattisgarh and the western coastal plains. 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 20 m bgl. The maximum depth to water level of 115.00 m bgl is observed in Nagaur district of Rajasthan.



- A comparison of depth to water level of August 2019 with decadal mean of August (2009-2018) 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 Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chandigarh, Chhattisgarh, Delhi, Goa, Haryana, Jammu & Kashmir, Jharkhand, Meghalaya, Pondicherry, Punjab, Tamil Nadu, Uttar Pradesh, Uttarakhand and West Bengal.
- Decline of more than 4 m has also been observed in pockets in the states of Delhi, Haryana, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttarakhand and West Bengal.



## MoU with MARVI partners

- An MoU has been signed between Central Ground Water Board (CGWB), Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, Government of India and MARVI partners (Western Sydney University, Australia; CSIRO Land and Water, Australia; Arid Communities and Technologies, Bhuj, Gujarat; Development Support Centre, Ahmedabad; Maharana Pratap University of Agriculture and Technology, Udaipur; Vidya Bhawan Krishi Vigyan Kendra, Udaipur, Rajasthan) at Dr. Ambedkar International Centre, New Delhi on 22.11.2019. Shri Gajendra Singh Shekhawatji, Honourable Union Minister, Ministry of JAL SHAKTI; Mr. Dan Tehan, Federal Minister of Education, Government of Australia; Shri Rattan Lal Kataria, Honourable Minister of State, Ministry of JAL SHAKTI; Shri U.P. Singh, Secretary, Department of WR, RD & GR, MoJS and Prof. Barney Glover AO, Vice-Chancellor & President, Western Sydney University had graced the occasion.



## Salient features of MoU

- Cooperation in training, education and research to achieve water security for agriculture, urban, industrial and environmental purposes.
- Development of grassroots and village level capacity building and support for ground water monitoring and management and improve livelihood of village communities in India.



Signing of Memorandum of Understanding (MoU) between CGWB and MARVI Partners at Dr Ambedkar International Centre, New Delhi on 22.11.2019

## Launching of Atal Bhujal Yojana (ATAL JAL)

- Atal Bhujal Yojana (ATAL JAL), a Central Sector Scheme with a total outlay of Rs.6000 crore to be implemented over a period of 5 years (2020-21 to 2024-25) was launched by the Hon'ble Prime Minister Sh. Narendra Modi on 25.12.2019. The scheme aims to improve ground water management through community participation in identified priority areas in seven States, viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. Implementation of the scheme is expected to benefit nearly 8353 Gram Panchayats in 193 blocks covering 78 districts in these States. ATAL JAL will promote community led ground water management and behavioural changes with primary focus on demand side management.
- ATAL JAL has two major components : **Institutional Strengthening and Capacity Building Component** for strengthening institutional arrangements for sustainable ground water management in the States including improving monitoring networks, capacity building, strengthening of Water User Associations, etc., and **Incentive Component** for incentivising the States for achievements in improved groundwater management practices viz. data dissemination, preparation of water security plans, implementation of management interventions through convergence of ongoing schemes, adopting demand side management practices etc.



Inauguration of Atal Bhujal Yojana (ATAL JAL) by the Hon'ble Prime Minister Sh. Narendra Modi at Vigyan Bhawan, New Delhi on 25.12.2019.

- The Scheme will help in institutional strengthening for improving ground water monitoring networks and capacity building of stakeholders at different levels which will enhance ground water data storage, exchange, analysis and dissemination. The Scheme will aid in evidence-based and realistic water budgeting based on an improved database and preparation of community-led Water Security Plans at Panchayat level. The Water Security Plans will be implemented through convergence of various ongoing/new Central and State Schemes to facilitate judicious and effective utilization of funds for sustainable ground water management. The Scheme will focus on efficient use of available ground water resources with emphasis on demand side measures such as micro-irrigation, crop diversification, electricity feeder separation etc.

## Capacity Building

### 1. Training Programmes conducted by Rajiv Gandhi National Ground Water Training & Research Institute (RGNGWTRI), Raipur.

- A number of training programmes have been conducted by RGNGWTRI, Raipur and various Offices of CGWB (under the aegis of RGNGWTRI) during this quarter, for imparting training to ground water professionals, semi-professionals and grass root stakeholders. Summary of the three types of training courses conducted as Tier-I (National level), Tier-II (State/District level) and Tier-III (Block level) during Oct-Dec, 2019 is given below:

Trainings	No. of training Programs Conducted	Persons Trained	Objective
Tier-I (National level)	12	267	To impart training to ground water professionals at National level (at RGNGWTRI, Raipur)
Tier-II (State/District level)	4	124	Training for ground water professionals of State Govt./ Academic Institutions/NGO etc. at State/District level imparted through CGWB Regional Offices.
Tier-III (Block level)	14	1962	Capacity building of grass root level stakeholders-PRI members, NGOs, Farmers, students, youth & women at block level

- Glimpses of Training Programmes Conducted at Rajiv Gandhi National Ground Water Training & Research/Regional Offices are given below:



Climate Change Impact on Water Resources at Rajiv Gandhi National Ground Water Training & Research Institute at Raipur from 30.09.2019 to 04.10.2019 (Tier-I)



Manvi, district Raichur, Karnataka on 31.10.2019 (Tier-III)



Nagawn, district Chhatarpur, Madhya Pradesh on 20.11.2019 (Tier-III)



Batiyagarh, district Damoh, Madhya Pradesh on 21.11.2019 (Tier-III)



Surface Geophysical Investigations for ground water prospecting by Rajiv Gandhi National Ground Water Training & Research Institute at Raipur (Tier-I)



Kurkheda, district Godachiroli, Maharashtra on 22.11.2019 (Tier-III)



Nandurbar, Maharashtra on 03.12.2019 (Tier-III)



Meenangadi, Wayanad district, Kerala on 04.12.2019 (Tier-III)



Khairabari GP, Barpeta district, Assam on 04.12.2019 by CGWB (Tier-III)



Nabarangpur, Odisha on 13.12.2019 (Tier-III)



Local Ground Water Issues and Management for PHED, Jammu & Kashmir at Jammu during 18-20, December 2019 (Tier-II)



Shri G. C. Pati, Member(HQ) interacting with the newly inducted Officers during Induction Level Training Course on 19.12.2019.



Sh. G. C. Pati, Member(HQ), at the validictory session of the one month duration Induction Level Training Course for newly inducted STAs on 20.12.2019.



Chhatterpur Rududra, district Udhampur, Uttarakhnad on 12.12.2019 (Tier-III)



Rozala, block Safedon, district Jind, Haryana on 17.12.2019 (Tier-III)

## Visit of Higher Officials

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

1. The Hon'ble Union Minister of Jal Shakti, Shri Gajendra Singh Shekhawatji visited CGWB, Jaipur on 24-10-2019 and discussed various issues regarding Ground Water in Rajasthan. The Hon'ble Minister visited the Regional Office building premises and appreciated the efforts being made for cleanliness and proper maintenance of the building and logistics. Tree Plantation was also carried out by the Hon'ble Minister in the premises of the building.
2. Sh. Gajendra Singh Shekhawat ji, Hon'ble Union Minister, MoJS visited Kolkata regarding Ganga Aamantran Expedition at Farraka. Sh. A. Kar, H.O.O and officers from CGWB, ER, Kolkata met the Hon'ble Union Minister and apprised him about the progress and activities of the Region.
3. Sh. Gajendra Singh Shekhawat ji, Hon'ble Union Minister, MoJS visited Shillong on 07.11.2019 to attend 2nd meeting of Governing Body of NERIWALM Society at State Convention Centre, Shillong. Hon'ble Minister also reviewed the progress of North Eastern States on 09.11.2019 at Guwahati. The Secretary & Joint Secretary, MoJS attended the meeting. Dr. P Nandakumaran, Member (East) CGWB presented the activities of CGWB in the North Eastern Region & progress of work during the meeting. Member (East) reviewed the progress of work and held technical discussion with the officers at Regional office, Guwahati.
4. The Hon'ble Union Cabinet Minister of Jal Shakti, Shri Gajendra Singh Shekhawatji chaired the review meeting for Southern States held at Hyderabad on 11.11.2019. Sh. Akhil Kumar, Joint Secretary (GW), Department of Water Resources, RD & GR attended the meeting along with Sh. Sunil Kumar, Member (South), CGWB and Regional Director of the respective region of the Board.
5. Sh. Rattan Lal Kataria, Hon'ble Minister of State, MoJS, visited Kolkata regarding Ganga Aamantran Expedition at Farraka. He was briefed about the progress and activities of the Region by Shri Amlanjyoti Kar, HOO CGWB, ER, Kolkata.
6. Sh. Rattan Lal Kataria, Hon'ble Minister of State, MoJS and Sh. U. P Singh, Secretary, DoWR, RD & GR, MoJS attended a one day workshop on "Increasing water use efficiency in Agriculture" at Guru Nanak Bhawan, City Centre, Amritsar on 14.11.2019 organised by National Water Mission. Scientist of CGWB gave presentation on GW scenario.
7. Sh. K. C. Naik, Chairman, CGWB and Sh. G. C. Pati, Member (HQ), CGWB on 3rd Oct., 2019 attended review meeting on "Unravelling Submarine Groundwater Discharge (SGD) zones along the Indian subcontinent and its islands (Mission-SGD) – PILOT STUDY" – National Network Project with National Centre for Earth Science Studies, Ministry of Earth Sciences, Govt. of India at Thiruvananthapuram and also reviewed the progress of various activities of the region.
8. Sh. K. C. Naik, Chairman, CGWB and Sh. G. C. Pati, Member (HQ), CGWB on 19th Oct., 2019 attended National Conclave on Climate Change and Water held from 19th– 20th October 2019 at Bhubneswar, Odisha and Chairman, CGWB delivered key note address on the occasion.
9. Sh. K.C. Naik, Chairman, CGWB visited R.G.I. Raipur on 25.11.2019 and Inaugurated the Induction Level Training Course 2019-20. He visited RGI, New building on 26.11.2019 which is under progress and reviewed the progress of work.



Review meeting of NE States chaired by Honorable Minister of Jal Shakti at Hotel Taj Vivanta, Guwahati on 09.11.2019. Chief Minister of Assam and Ministers from other NE States were special guests.



Member (East) CGWB reviewing progress of work of CGWB, NER, Guwahati on 09.11.2019.



The Hon'ble Union Cabinet Minister of Jal Shakti, Shri Gajendra Singh Shekhawatji, chaired the Review Meeting for Southern States held at Hyderabad on 11.11.2019.



Inauguration of ILTC 2019-20 by Sh. K. C. Naik, Chairman CGWB at RGNWTRI, Raipur on 25/11/2019.



10. Sh. G.C. Pati, Member- HQ CGWB visited R.G.I, Raipur on 14th & 15th November 2019 and inspected RGI, New building which is under construction and reviewed the progress of work. He also visited CGWB, Raipur, Chhatisgarh on 15th November and discussed with all the officers and officials regarding the progress.

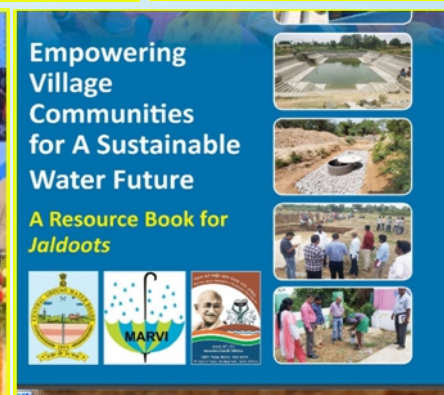


## Workshop/Lecture/Talk/Awareness Programme

1. 11th Agrovision Workshop: Hon'ble Union Cabinet Minister Shri. Nitin Gadkari ji inaugurated the 11th Agrovision Workshop on 22nd Nov., 2019 at Reshimbagh Grounds, Nagpur. Dr. P.K. Jain, Regional Director, CGWB delivered an expert talk on "Water Conservation and Artificial Recharge" in the workshop.



2. A training resource book titled "Empowering village communities for a sustainable water future- A resource book for Jaldots" prepared by Central Ground Water Board in collaboration with MARVI ( an Initiative of Australian and Indian partners for sustainable ground water management through community participation) was released by the Hon'ble Minister of Jal Shakti, Shri Gajendra Singh Shekhawatji during the 2nd International Conference on Sustainable Water Management organised at Pune held on 6-8th November 2019. The training resource book will be helpful in capacity building of large number of grass root level stakeholders for sustainable water management through micro level water resource planning.



3. 2nd International Conference under NHP: Chairman, CGWB along with Members and a team of officers of the Board attended 2nd International Conference on Sustainable Water Management from November 6 - 8, 2019 at Pune under National Hydrology Project.



4. Sh. V. Elanchelian, Scientist-D (Sr.HG) and A. Sreenivas, Scientist-D (Sr.HG) from CGWB, Chennai

participated in the one day inaugural workshop on Water Security & Climate Adaptation in Rural Areas (WASCA) convened by the Additional Chief Secretary, Rural Development and Panchayat Raj Department, Government of Tamil Nadu at Chennai on 29.12.2019. WASCA is a bilateral technical cooperation project between Government of India, represented by Ministry of Rural Development, Ministry of Jal Shakti and Government of Germany by GIZ (Indo - German Cooperation for International Cooperation). In Tamil Nadu, the project is to be implemented in two districts namely Ramanathapuram and Tiruvannmalai.

## Award/Recognition

1. Sh. Sunil Kumar, Member and Dr. Pradeep Kumar Naik, Head of Office, RGNGWTRI Jointly received the Aqua Foundation's Excellence Award 2019 under the Special Award Category of Excellence in Capacity Building awarded to Rajiv Gandhi National Ground Water Training & Research Institute at New Delhi on 30.10.2019.



2. Dr. Subhash Singh, Scientist D, CGWB received the Best Paper Award for his paper published in Journal of Geophysics at 2nd Triennial Congress of Federation of Indian Geoscientist Association (FIGA) at NGRI, Hyderabad on 14th October, 2019.



3. Shri C.Paul Prabhakar, Regional Director CGWB, SECR, Chennai received the "Motivation Prize in the smaller offices category (Shield and Certificate) from The Chairman TOLIC & General Manager, Southern Railway, Chennai.



### Awareness Raising Programme

CGWB, Kerala Region organized Awareness Programme "Clean Water and Protection" at Travacore Titanium Products Ltd (TTPL), Trivandrum on 5.11.2019 as an activity under SAP. Shri. Georgee Ninan, Managing Director, TTPL was the Chief Guest. About 100 employees including Officers and staff from TTPL have participated apart from Officers and staff from CGWB.



Awareness Raising Program under National Hydrology Project by CGWB at Goa Science Center, Goa on 10.12.2019. Report on Ground Water Resources of Goa was also released on the occasion.

Workshop on Rain Water Harvesting & Artificial Recharge by CGWB at Civil Engineering Department, National Institute of Technology, Patna on 10.12.2019.



Awareness Raising Program organized by CGWB under National Hydrology Project at Raipur on 14.11.2019.

### Awareness Raising Program on "Water Conservation and Artificial Recharge" by CGWB in December, 2019 (Glimpses)



Jila School, Muzaffarpur Bihar on 11.12.2019



Masters Grammar High School, Nagole, Telangana on 17.12.2019.



Indu Int. School, Bandlaguda, Telangana on 12.12.2019.



UNICENT School, Thattianaram, Hyderabad, Telangana on 13.12.2019.



Nagabasta Nodal High School, district Puri, Odisha on 18.12.2019.



Kendriya Vidyalaya, Pangode, Trivandrum, Kerala on 18.12.2019.



Kendriya Vidyalaya, Akkulam, Trivandrum, Kerala on 19.12.2019



SVKGSS School at village Mohna, Faridabad, Haryana on 19.12.2019.



Kondamedi Zilla Parisad High School, Maudataluka, Nagpur, Maharashtra on 20.12.2019.



Kendriya Vidyalaya No. 3, Faridabad, Haryana on 20.12.2019.



Wadamba Zilla Parisad High School in Ramtek Taluka, Maharashtra on 23.12.2019.



Nigdi Gyanaprabodhini School in Haveli Taluka, Maharashtra on 27.12.2019.

### नवभारत

## कोदामेढी में भूजल पर विशेष चर्चासत्र

भारत सरकार का प्रधानमंत्री नरेंद्र मोदी के नेतृत्व में आयोजित 'कोदामेढी' कार्यक्रम का उद्देश्य भूजल संकट को दूर करना है। प्रधानमंत्री नरेंद्र मोदी ने कोदामेढी कार्यक्रम का शुभारंभ किया। कार्यक्रम में प्रधानमंत्री नरेंद्र मोदी ने भूजल संकट को दूर करने के लिए 'कोदामेढी' कार्यक्रम का शुभारंभ किया।

## PM launches Atal Bhujal, state to gain

NEW DELHI, DHNS

Prime Minister Narendra Modi on Wednesday launched the Atal Bhujal Yojana, aimed at improving groundwater levels in 78 districts of seven states including Karnataka. The Rs 6,000-crore scheme will be implemented in the next five years.

Speaking at the launch of the scheme, Modi said the Atal Bhujal Yojana will benefit more than 8,300 villages in the states of Karnataka, Maharashtra, Haryana, Rajasthan, Gujarat, Madhya Pradesh and Uttar Pradesh. He said that by forming the Jal Shakti Ministry, his government has tried to free the subject of water from a compartmentalised approach to a more comprehensive and holistic one.

The scheme is aimed at contributing towards the goal of doubling farmers' income by promoting participatory ground water management, improving water use efficiency on a mass scale, improving cropping pattern and promoting efficient and equitable use of ground water resources.

### Certificate of Appreciation

Presented by Prithvi Innovations

Central Ground Water Board, Lucknow

Thank you for your active participation & kind support in the National Ground Water Survey (NGWS) under the 'Ganga Gaitha' (River Clean Up) & 'Sambhav' (Sustainable Waste Management) programs.

## 14 dists from state chosen for Atal Bhujal Yojana

NIRANJAN KAGGARE BENGALURU, DHNS

Prepared for decades and struggling to cope with the over-exploitation of groundwater, 14 districts across Karnataka will get a helping hand from the central government under the ambitious Atal Bhujal Yojana (ABY).

The project, to be launched on December 23 (the birth anniversary of former PM, the late Atal Bihari Vajpayee) by Prime Minister Narendra Modi is said to have been the ambitious programme of the Ministry of Water Resources aimed to involve local communities in rejuvenating groundwater and prevent construction and efficient use of water.

Of the 14 districts, more than 30 are from south Karnataka, revealing the severity of the groundwater exploitation. While the overall cost of the project is Rs 6,000 crore, according to Union Minister for Jal Shakti Gajendra Singh Shekhawat. In a letter to Chief Minister B. S. Yeddyurappa,

## Atal Bhujal Yojana - ATAL JAL

by Sh. Narendra Modi, Hon'ble Prime Minister

in the august presence of

Sh. Rajnath Singh Hon'ble Minister, Ministry of Defence	Sh. Gajendra Singh Shekhawat Hon'ble Minister, Ministry of Jal Shakti
Sh. Shripad Yesso Naik Hon'ble MoS (IC), Ministry of AYUSH & MoS, Ministry of Defence	Sh. Rattan Lal Kataria Hon'ble MoS, Ministry of Jal Shakti & Ministry of Social Justice & Empowerment

25th Dec 2019

Vijaya Bhawan, New Delhi

## Govt plans round-the-year water flow in major rivers

Vishwa Mohan @timesgroup.com

New Delhi: Seeking to ensure that rivers across the country have at least minimum flow of water round-the-year, the Centre is working on a national framework for implementation and monitoring of e-flows (environmental flows) in all major rivers. Uninterrupted flow of water in a river is important not only to keep it clean through its natural ecological functions and processes but also to keep it organically fit to support aquatic life.

"We have been working on guidelines, keeping international experts on board under the existing India-European Union (EU) water partnership," said Rajiv Ranjan Mishra, director general of National Mission for Clean Ganga. The India-EU water partnership has prepared a draft guidance document on the subject. Released by 'Jal Shakti' minister Gajendra Singh Shekhawat on Monday, the draft aims to develop a mechanism to assess the benefits and impacts of e-flows on socio-economic and river ecosystem services.

Under the plan, detailed studies are being carried out in three different hydro-climatic regions as pilot projects for evolving appropriate methodologies for assessment of e-flows in rivers across the country. These three regions include Ranganaga (peninsular river), Mahanadi delta (peninsular river) and Bharatpur river (Western Ghats).

Efforts for a comprehensive national framework are being made in the backdrop of the government's decision to ensure e-flow of Ganga as part of its ongoing rejuvenation programme. Under this decision, all existing projects in the upper Ganga basin will have to ensure desired e-flow in the national river by December 15. This compliance deadline applies to hydro-power, irrigation and other major projects in the upper reaches of the river in Uttarakhand up to the Ganga's main stem in Unnao district of UP.

## Cops turn away thousands from Yamuna ghats

Delhi: Police officers in uniform are seen turning away a large crowd of people from the Yamuna ghats. The image shows a group of people being directed away from the riverbank by police officers.

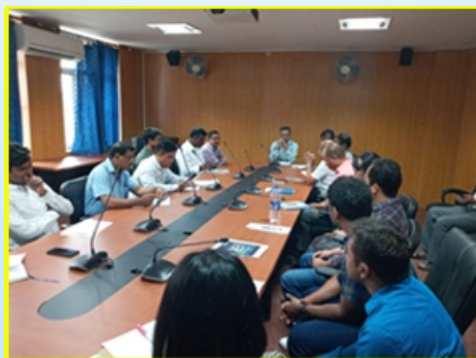
## நிலத்தடி நீர் மேலாண்மை கருத்தரங்கம்

புதுவையில் நடைபெற்ற கருத்தரங்கத்தில், மாநில அமைச்சர் கருத்து தெரிவித்துள்ளார். இவ்வாறு கூறியபோது, மாநில அமைச்சர், மாநில அமைச்சர் கருத்து தெரிவித்துள்ளார்.

Gallery



Sh. K.C. Naik, Chairman, CGWB chaired the Meeting with Officers and Staff at CGWB, KR on 3.10.2019.



Sh. Akhil Kumar, Joint Secretary (IC&GW), Ministry of Jal Shakti reviewing the progress of Annual Action Plan of CGWB NER Guwahati on 21.10.2019.



State Technical Advisory Committee meeting of PMKSY HKKP GW Irrigation for Mizoram chaired by the Secretary, IWRD Mizoram in his chamber at Aizawl on 24.10.2019. The committee approved the DPR proposal of GW Irrigation through 209 tube wells.



Cleaning programme at Rilbong Ghat, Umshyrpi river, Shillong by CGWB, SUO, SHILLONG



Students from Dept. of Geology, D S College, Aligarh, UP along with HoD visited CGWB, Jaipur on 26.11.2019.



Field demonstration of DTH Drilling and Preparation of Litholog to Induction Level Training Course - CGWB Officers at new campus of Rajiv Gandhi National Ground Water Training & Research Institute on 09.12.2019.



B.Sc. students of Dept. of Geology, D.S.College, Aligarh U.P. visited CGWB, Jaipur on 13.12.2019.



Sh. K. C. Naik, Chairman CGWB chairing a session and Sh. Sushil Gupta, Ex-Chairman CGWB addressing during workshop on Preparation of Regional Plan-2041 for National Capital Region on 09.12.2019.



Esteemed presence of Sh. U.P. Singh, Secretary, DOWR RD& GR, MoJS during launching of Atal Bhujal Yojna on 25th Dec. 2019.



Visit of the Member (HQ), CGWB to the new premise of Rajiv Gandhi National Ground Water Training & Research Institute under construction at Naya Raipur on 19.12.2019.



Sh. G. C.Pati, Member (HQ), CGWB interacting with the newly inducted Officers of CGWB during Induction Level Training Course at Rajiv Gandhi National Ground Water Training & Research Institute at Raipur on 19.12.2019.



Sh. V.Kunhambu, Regional Director, CGWB delivering K R Karanath Endowment Lecture on "Status of Groundwater Regulation in India: Challenges and Constraints with Case Studies" at Geological Society of India, Bengaluru

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