



सत्यमेव जयते

Government of India
Ministry of Water Resources

HYDRO-METEOROLOGICAL DATA DISSEMINATION POLICY, 2018



November, 2018

HYDRO-METEOROLOGICAL DATA DISSEMINATION POLICY, 2018

1. Introduction

Substantial public investment goes into collection of data. There are huge benefits, presently untapped, of making data available to the society. It is the view of the Ministry that non-sensitive data collected through use of public funds should be made available for legitimate use, better decision making and meeting society's needs. The Government of India has formulated a National Data Sharing and Accessibility Policy (NDSAP, 2012) with the objective of Government engaging citizens in governance and placing of non-strategic data in public domain. The provisions of RTI Act 2005 empower the citizens to get access to information under the control of public authority for transparency and accountability in working of every public authority. The objective of the NDSAP policy is to facilitate the access to Government of India owned shareable data and information in both human readable and machine readable forms through a nation-wide network. This will help greater accessibility and use of public data and information in a proactive and periodically updatable manner, within the framework of Acts, Rules and policies of Government of India.

Central Water Commission (CWC), in association with India Space Research Organization, has set up a web enabled Water Resources Information System in the Country (India-WRIS). The India-WRIS is a 'Single Window' solution for comprehensive, authoritative and consistent information and data of India's water resources along with allied natural resources in a standardized national GIS framework. It has tools to search, access, visualize, understand and analyze the data for assessment, monitoring, planning, development and Integrated Water Resources Management (IWRM).

Similarly, Central Ground Water Board (CGWB) has established Ground Water Information System providing access to various thematic layers. It is a nationwide database on ground water level and water quality monitoring carried out by CGWB.

In supersession of all previous guidelines/orders, Ministry of Water Resources, River development & Ganga Rejuvenation (MoWR, RD&GR), Government of India hereby formulates this Hydro-meteorological Data Dissemination Policy, 2018 for implementation by CWC & CGWB.

2. Hydro-meteorological Data Available

2.1 Data collected by CWC

2.1.1 Following hydrological data related to surface water are collected at CWC Hydrological Observation (HO) sites:

- (i) River water level (Gauge, G),
- (ii) River discharge (Discharge, D),
- (iii) Sediment flow (Silt, S); and
- (iv) Water quality (Quality, Q)

2.1.2 Besides hydrological observation, CWC also observes on some selected sites, selected

meteorological parameters such as rainfall, maximum-minimum temperature, humidity, pan-evaporation, solar radiation and wind velocity on some specific sites.

2.1.3 The general frequency of hydro-meteorological data collection is;

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|-------|---------------------------------|--------------------------------------|
| (i) | Gauge Water level (Non Monsoon) | - Daily at 08:00, 13:00 & 18:00 hrs. |
| (ii) | Gauge Water level (Monsoon) | - Hourly |
| (iii) | Discharge | - Daily |
| (iv) | Sediment | - Daily |
| (v) | Water Quality | - Ten-daily/ Monthly |
| (vi) | X-Sections of the rivers | - Pre-monsoon and Post-monsoon |
| (vii) | Meteorological data | - Daily/hourly |

2.1.4 Thus, the hydro-meteorological information available with CWC is;

- (i) Daily discharge values (including velocity, manning's 'n' values, rating curve, etc.) both observed & interpolated/extrapolated and any analysis or derivation of the values like yearly/ monthly/ ten-daily flows etc.
- (ii) Gauge values/water levels observed at uniform time interval or non-uniform time interval.
- (iii) Suspended/bed sediment flow values including fine, medium and coarse sediment, both observed & interpolated/extrapolated. Any analysis or derivation of the values like yearly/ monthly/ten-daily flows etc.
- (iv) Water quality parameters observed at site or analyzed in the laboratories.
- (v) Cross-sections, longitudinal sections, other topographical information and river morphology related data.
- (vi) Reservoir water levels and live storage position
- (vii) Meteorological data such as rainfall, maximum-minimum temperature, humidity, pan-evaporation, solar radiation, wind velocity.

2.2 Data collected by CGWB

2.2.1 Following data related to ground water is collected at CGWB Observation Wells (OW):

- (i) Water level
- (ii) Water quality

2.2.2 The general frequency of groundwater data collection is;

- | | | |
|------|---------------|--------------------------------------------------------------------------------|
| (i) | Water level | - Four times in a year in the months of January, April/ May, August & November |
| (ii) | Water quality | - Once in the year in the month of April/May |

2.2.3 In addition, CGWB also assesses replenishable ground water resources and groundwater draft in ground water assessment units (i.e. blocks, mandals, talukas etc) estimating thereby stage of groundwater development. CGWB categorizes assessment units as 'safe', 'semi-critical', 'critical', 'over-exploited' and 'saline' units.

3. Classification of Hydro-meteorological Data

- 3.1 From the point of view of data dissemination, the country can be divided into following three regions;
- (i) Region-I: Indus basin & other rivers and their tributaries discharging into Pakistan;
 - (ii) Region-II: Ganga-Brahmaputra-Meghna basin & other rivers and their tributaries discharging into Bangladesh/Myanmar; and
 - (iii) Region-III: Remaining other rivers and their tributaries.
- 3.2 The data of Region-I and II is classified except data mentioned under Para 3.3 whereas the data of Region-III is unclassified.
- 3.3 The reservoir water level, live storage position, water quality, groundwater and meteorological data for all regions are unclassified. Similarly, all metadata (information about data, sites, OWs, etc.) for all CWC HQ sites and CGWB OWs including yearly average data and historical important data (such as highest flood level, yearly flood peak, etc.) are also unclassified for all regions.

4. Data User Categories

- 4.1 For the purpose of hydro-meteorological data dissemination, users may be grouped in following categories:
- (i) **Indian Users** – Agencies / entities owned fully by Indian citizens. These may be further categorized into commercial and non-commercial organizations, as under;
 - (a) Indian Commercial Users -
 - (i) Private
 - (ii) Public Sector Companies
 - (iii) Consultants including Non-Governmental Organizations /Educational/Research Institutes undertaking consultancies / studies / works for fees, and
 - (b) Indian Non-commercial Users -
 - (i) Central Government Departments/organizations
 - (ii) State Government Departments/organizations
 - (iii) Non-profit companies/ non-governmental organizations/Educational/Research Institutes for academic/ professional research/ studies purposes.

Note: As individuals may use hydro-meteorological data for commercial purposes, they are treated as commercial users. Students / Researchers, etc., should obtain the necessary data through their Institutes / Universities.

- (ii) **Foreign Users** – Agencies / entities owned partially or fully by foreign citizens including individuals employed by such agencies/entities.

5. Custodian of hydro-meteorological data

- 5.1 The concerned CWC Chief Engineers, as described in **Annex-I**, shall be the custodian of hydro-meteorological data of river basins collected by CWC. Similarly, concerned CGWB

Regional Directors, as described in **Annex-II**, shall be the custodian of groundwater data.

6. Procedure for release of unclassified Hydro-meteorological data & pricing

- 6.1 All unclassified data (after validation and to the extent published in Water Year Book, Water Quality Year Book, Water Sediment Year Book, Ground Water Year Book) shall be hosted on IndiaWRIS website, which can be downloaded by any web-registered user free of cost.
- 6.2 The unclassified data not available on the website can be obtained free of cost from the concerned Chief Engineer of CWC or concerned Regional Director of CGWB after submission of request without any secrecy undertaking. However, costs towards printing, photocopying, digital media, etc., as payable for providing information under Right to Information Act, 2005 would be charged.
- 6.3 The use of data downloaded from IndiaWRIS or obtained from CWC/CGWB shall be duly acknowledged in the DPR/report/ publication. IndiaWRIS, CWC, CGWB or MoWR, RD&GR shall not be held responsible for any inference drawn based on these data.
- 6.4 All unclassified data may also be obtained as per Right To Information Act, 2005 as amended from time to time.

7. Procedure for release of classified data & pricing

- 7.1 Classified data will be released for specific purpose/ study only and will be non-transferable.
- 7.2 All users desirous to obtain classified data may send their request to concerned Chief Engineer of CWC (as described in **Annex-I**) in the prescribed format given at **Annex-III** along with a 'Secrecy Undertaking' (format given at the **Annex-IV**).
- 7.3 The concerned Chief Engineer of CWC would verify the authenticity of the user, the purpose of data request and the data reasonably required for that purpose / study and forward the requests with his/her recommendations (**Annex-V**), within thirty days of the receipt of such requests, to the Chief Engineer (Planning & Development), CWC.
- 7.4 The Chief Engineer (Planning & Development), CWC shall place all such requests along with the recommendations of concerned Chief Engineer of CWC, received in a month by 10th of the following month before a Classified Data Release Committee with the following composition;

(i)	Chairman, CWC	- Chairman
(ii)	Member (RM), CWC	- Member
(iii)	Representative of Ministry of External Affairs	- Member
(iv)	Representative of the Intelligence Bureau	- Member
(v)	Representative of the Research & Analysis Wing	- Member
(vi)	Representative of Ministry of Defence	- Member
(vii)	Concerned Regional Chief Engineers of CWC (case to case basis)	- Member
(viii)	Concerned Commissioner (Indus/Ganga/B&B), MoWR (case to case basis)	- Member

(ix)	Director General, National Water Development Agency	- Member
(x)	Chief Engineer (P&D), CWC	- Secretary

- 7.5 The Classified Data Release Committee shall decide on the requests for release of classified data by 20th of every month, which shall be communicated to the indenting user with copy to the concerned Chief Engineer, CWC by the Chief Engineer (P&D), CWC by the end of that month.
- 7.6 Indian non-commercial users would be supplied classified data free of cost. However, costs towards printing, photocopying, digital media, etc., as payable for providing information under Right to Information Act, 2005 would be charged.
- 7.7 Indian commercial and foreign users would be supplied the minimum classified data, considering the requirement of the user and recommendation by concerned Chief Engineers, on payment of Rs. 75000/- per site per annum. The year for calculation of data charges will be water year (from 1st June to 31st May of following year). The dissemination of data for part of any year shall also be charged at rate of Rs.75000/-.
- 7.8 On the basis of authorization from the Classified Data Release Committee, the concerned Chief Engineer of CWC would release the data to the indenting user after collection of due charges within 15 days of the receipt of such authorization and the payment.
- 7.9 The released classified data shall not be reproduced in any report/ publication/ Detailed Project Report (DPR), etc. Only result of analysis and inferences drawn thereof should be published. The contribution of CWC shall be duly acknowledged in the DPR/report/ publication.
- 7.10 CWC and/or MoWR shall not be held responsible for any inference drawn based on these data.
- 7.11 Hydro-meteorological data amongst implementing agencies of National Hydrology Project will be shared as mentioned in Appendix 1.
- 7.12 The Classified Data Release Committee shall submit its annual returns to the Ministry. The Ministry may conduct annual audit of the data released by the Classified Data Release Committee.

8. Review of Hydro-meteorological Data Dissemination Policy

- 8.1 The Minister of Water Resources, River development & Ganga Rejuvenation shall be the competent authority to review this Hydro-meteorological Data Dissemination Policy along with the extent of classified data and procedure for release.

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LIST OF RIVER BASINS AND CONCERNED CHIEF ENGINEERS OF CWC

Sl. No	Name of River Basin	Concerned Chief Engineer
1	Indus	The Chief Engineer (Indus Basin), Central Water Commission, Block- 4, 6 th Floor, Kendriya Sadan, Sector-9 A, Chandigarh-160017. Tel. No. 0172-2741766 Fax No. 0172-2742465
2	Upper Ganga (From origin till Buxar, Bihar)	The Chief Engineer (UGB), Central Water Commission, Jahanavi Sadan, 21/496, Indira Nagar, Lucknow -226016 Tel. No. 0522-2715832 Fax No. 0522-2715834
3	Lower Ganga (Downstream of Buxar, Bihar)	The Chief Engineer (LGB) Central Water Commission, 177-B, Srikrishna Puri, Patna-800001 Tel. No. 0612-2541087 Fax No. 0612-2541865
4	Yamuna	The Chief Engineer (YBO), Central Water Commission, Kalindi Bhavan, B-5, Tara Crescent Road, Qutab Institutional Area, New Delhi-16. Tel. No. 011-26526857 Fax No. 011-26526857
5	Brahmaputra, Meghna & Barak	The Chief Engineer (B&BBO), Central Water Commission, Rebeka Ville, Near Barik Point, Temple Road, Lower Lachumiere, Shillong (Meghalaya) Tel. No. 0364-2220568 Fax No. 0364-2220644
6	Krishna and Godavari	The Chief Engineer (KGBO), Central Water Commission, H.No. 11-4-648, Krishna Godavari Bhavan, AC Guards, Hyderabad-500 004 (A.P.) Tel. No. 040-23201605 Fax No. 040-23308642

7	Cauvery & Southern Rivers	Chief Engineer, Cauvery & Southern Rivers Org., Central Water Commission, Sangamam Gandhimanagar, Peelamedu P.O., Coimbatore-641 004 Tel. No. 0422-2512242 Fax No. 0422-2512243
8	Mahanadi and Eastern Rivers	The Chief Engineer (M&ERO), Central Water Commission, A-13 & 14, Bhoi Nagar, Bhubaneswar-751 022. Tel. No. 0674-2545536 Fax No. 0674-2545537
9	Narmada (except in Gujarat)	The Chief Engineer, Narmada Basin, Central Water Commission, Block-3, Ground Floor, Paryawas Bhavan, Mother Teresa Marg, Arera Hills, Bhopal-462 011 Tel. No. 0755-2574513 Fax No. 0755-2550253
10	Narmada (Gujarat) & Tapi	The Chief Engineer, Narmada Tapi Basin Org. Central Water Commission, 101, Narmada Tapi Bhavan, 1st Floor, Sector-10 (A), Gandhi Nagar-382 010 Tel. No. 079-23245427 Fax No. 079-23246115
11	Teesta	The Chief Engineer, Teesta Basin, Central Water Commission, 2 nd Mile, Sevoke Road, Silliguri-734401 Tel. No. 0353-2543230 Fax No. 0353-2540262

LIST OF REGIONAL OFFICES OF CGWB & THEIR JURISDICTION

S. No.	Regional Offices of CGWB	Telephone Numbers	FAX	email Id	Jurisdiction
1	Regional Director , Central Ground Water Board North Western Region Bhujal Bhawan, Plot No.3-B, Sector 27A, Chandigarh – 160019	0172-5021960	2639500	rdnwr- cgwb@nic.in	Punjab, Haryana and UT of Chandigarh
2	Regional Director Central Ground Water Board Western Region 6-A, Jhalna Doongri Jaipur – 302 004 (Rajasthan)	0141-2706338	2706991	rdwr- cgwb@nic.in	Rajasthan
3	Regional Director Central Ground Water Board Northern Region Bhujal Bhavan, Sector-B Sitapur Road, Yojna, Ram Ram Bank Chauraha Lucknow - 226 021 (U.P.)	0522-2363812 0522-2360494 0522-2360498	2732478 - 2363820 2362276	rdnr- cgwb@nic.in	Uttar Pradesh
4	Regional Director Central Ground Water Board Middle East Region 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road, Dak Banglow, Patna—800011	0612-2205435 0612-2231785	2231020	rdmer- cgwb@nic.in	Bihar, Jharkhand
5	Regional Director Central Ground Water Board Eastern Region Bhujalika, C P Block-6 Sector-V, Salt Lake City, Kolkata - 700 091 (West Bengal)	033-23673081	23673080	rder- cgwb@nic.in	West Bengal, Sikkim and Andaman and Nicobar Islands
6	Regional Director i/c Central Ground Water Board North Eastern Region C.G.W.B, NH-37, Betkuchi, (Opposite ISBT), Guwahati - 781035 (Assam)	0361-2271759 0361-2271760 0361-2271761		rdner- cgwb@nic.in	Assam, Arunachal Pradesh, Meghalaya, Manipur, Nagaland, Tripura, Mizoram

7	Regional Director i/c Central Ground Water Board West Central Region Swami Narain College Build. Shah Alam Tolnaka, Ahmedabad - 380022 (Gujarat)	079-25320476	25329379	rdwcr- cgwb@nic.in	Gujarat and UT of Daman and Diu
8	Regional Director i/c Central Ground Water Board, North Central Region, Block -1, 4th Floor, Paryawas Bhawan, Area Hills, Jail Road Bhopal - 462011 (MP)	0755-2525201 2557639	2760090	rdncr- cgwb@nic.in	Madhya Pradesh
9	Regional Director Central Ground Water Board North Central Chhatisgarh Region Block A-1, 2nd Floor, Pujari Chambers, Pachpedi Naka, Raipur- 492001 (Chhattisgarh)	0771-2413903	2413689	rgi- cgwb@nic.in alokdube- cgwb@nic.in	Chhattisgarh
10	Regional Director Central Ground Water Board Central Region N.S. Building, Civil Lines, Opp. VCA Ground, Nagpur - 440001 (Maharashtra)	0712-2550646	2564390	rdcr- cgwb@nic.in	Maharashtra and UT of Dadra & Nagar Haveli
11	Regional Director Central Ground Water Board South Eastern Region Khandagiri Square NH-5 Bhubaneswar - 751001 (Odisha)	0674-2350342	2350332	rdser- cgwb@nic.in	Orissa
12	Regional Director i/c Central Ground Water Board Southern Region Plot No.117, Thatti Annaram Panchayat, GSI Post, Nagole, Bhujal Bhawan, Bandlaguda, Hyderabad - 500068	040-24222508	24222508	rdsr- cgwb@nic.in	Andhra Pradesh
13	Regional Director Central Ground Water Board Kerala Region, Kedaram Kesavadasapuram, Trivendrum - 695004 (Kerala)	0471-2442191	2555026 2442191	rdkr- cgwb@nic.in	Kerala and Lakhshadweep
14	Regional Director Central Ground Water Board South East Coastal Region, E-Wing, G-Block, Rajaji Bhavan, CGO Complex	044-24914334	24914334	rdsecr- cgwb@nic.in	Tamil Nadu and UT of Pondicherry

	Besant Nagar, Chennai - 600 090 (Tamil Nadu)				
15	Regional Director Central Ground Water Board North West Himalayan Region, 298-299, Sashtri Nagar, Jammu-180004 (J&K)	0191-2459757	2451626	rdnwhr- cgwb@nic.in	J & K
16	Regional Director Central Ground Water Board Uttanchal Region 419A, Kanwali Road, Balliwala, Near Urja Bhawan, Dehradun - 248 001 (Uttarakhand)	0135-2761675	2769525	rdur- cgwb@nic.in	Uttarakhand
17	Regional Director Central Ground Water Board South Western Region 07 th Cross, 27th Main, HSR Layout, Sector-1, Bangalore – 560 102 (Karnataka)	22586965	080- 22586940	rdswr- cgwb@nic.in	Karnataka and Goa
18	Regional Director I/c Central Ground Water Board North-Himalayan Region Dove Cottage, Ram Nagar, Dharamshala (Kangra)- 176215 (Himachal Pradesh)	01892-27160	223535	rdnhr- cgwb@nic.in	Himachal Pradesh
19	Suptg. Hydro-geologist & H.O.O., State Unit Office, Central Ground Water Board, Jam Nagar House, Man Singh Road, New Delhi 110011	011-23384355	23386743	oicnd- cgwb@nic.in	Delhi

GENERAL HYDRO-METEOROLOGICAL DATA REQUEST FORM

1.	Name of the Indenting User		
2.	Address: Office		
3.	Address: Residence		
4..	Category of User (see clause 4 for data user categories) (Supporting proof / document to be attached)		
5..	Details of the CWC sites for which data is required:		
	S. No.	Name of the CWC site (s)	Name of the river on which the site(s) is located
6.	Type, frequency & period of data required:		
	Type	Frequency	Period of data required:
	(a) Gauge	Hourly/3 times a day/daily/ 10daily/monthly/yearly average Historical Maximum/Minimum	Non-Monsoon.....to..... Monsoon.....to.....
	(b) Discharge	Daily/ 10daily/monthly/yearly average Historical Maximum/Minimum	Non-Monsoon..... to..... Monsoon..... to.....
	(c) Silt	Daily/ 10daily/monthly/yearly average Historical Maximum/Minimum	Non-Monsoon..... to..... Monsoon..... to.....