

# HYDRO-METEOROLOGICAL DATA DISSEMINATION POLICY

## 1. Introduction

All water resources development projects need long term/sufficient data for planning, design & execution purposes. In our country surface water data is mainly collected by CWC which has set up a Web Enabled Water Resources Information System in the Country (India-WRIS).

However, NHPC Ltd. also setup hydro-meteorological data measuring sites and collects data at Power stations, under construction projects and under investigation projects. Thus in case of any demand of these data from outside agencies, there is need of Hydro-meteorological Data Dissemination Policy to provide the same for its wider use.

## 2. Hydro-meteorological Data Available

### 2.1 Data collected by NHPC

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

- (i) River water level (Gauge, G),
- (ii) River Discharge (Discharge, D),
- (iii) Sediment flow (Silt, S)

2.1.2 Besides hydrological observation, NHPC also observes selected meteorological parameters such as rainfall, maximum-minimum temperature, humidity, pan-evaporation, solar radiation, wind velocity, and water temperature at most of its sites.

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

- |       |                                 |                                     |
|-------|---------------------------------|-------------------------------------|
| (i)   | Gauge Water level (Non Monsoon) | - Daily at 08:00, 13:00 &18:00 hrs. |
| (ii)  | Gauge Water level (Monsoon)     | - Hourly Gauge                      |
| (iii) | Discharge                       | - Daily                             |
| (iv)  | Sediment                        | - Daily                             |
| (v)   | Meteorological data             | - Daily                             |

2.1.4 Thus, the hydro-meteorological information available with NHPC are;

- (a) Observed Daily discharge values.
- (b) Gauge values/water levels observed at uniform time interval or non-uniform time interval.
- (c) Suspended/bed Sediment flow observed values including fine, medium and coarse sediment
- (d) Meteorological data such as rainfall, maximum-minimum temperature, humidity, pan-evaporation, solar radiation, wind velocity.

- (e) Yearly average data and historical important data (such as Highest Flood Level, yearly flood peaks etc.)

### 3. Classification of Hydro-meteorological Data

3.1 From the point of view of data dissemination, the Power stations/Projects can be grouped into following three regions;

- (a) **Region-I:** The Power stations/Projects on Indus basin & other rivers and their tributaries discharging into Pakistan;
- (b) **Region-II:** The Power stations/Projects on Ganga-Brahmaputra-Meghna basin & other rivers and their tributaries discharging into Bangladesh/Myanmar; and
- (c) **Region-III:** The Power stations/Projects on remaining other rivers and their tributaries.

3.2 The data of Region-I and II are **classified**, whereas the data of Region-III is **unclassified**.

### 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 Government/Indian citizen/Private company/Private Sector Company/Consultant including Non-Governmental Organization/Educational Institute/Research Institute/Professional Research/ Study and Indian National.
- (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 Executive Director (Design & Engineering) shall be the custodian of hydro-meteorological data of the Power stations/Projects collected by NHPC.

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

- 6.1 All users desirous to obtain unclassified data may send their request to the Executive Director (SBD & C) in the prescribed format given at **Annexure -I** along with a 'Secrecy Undertaking' (format given at the **Annexure-II**).
- 6.2 The Executive Director (Design & Engineering) shall decide on the requests for release of unclassified data based on the requirement received as per **Annexure-I**.
- 6.3 The unclassified data can be supplied on payment at following rates:-
- 1) Gauge and discharge data- Rs. 1,30,000/- per year per site
  - 2) Gauge data- Rs. 85,000/- per year per site
  - 3) Meteorological data-Rs. 45000/- per year per site
  - 4) Silt data-Rs. 1,30,000/- per year per site

plus GST, for the minimum data required by user and as authorized by the Executive Director (Design & Engineering). The year for calculation of data charges will be water year (from 1st June to 31st May of following year). For dissemination of data for part of any year shall also be charged at rate the same rate as above. Payment to be made by

user shall be intimated by Design & Engineering Division to Nodal Division i.e. SBD&C Division.

- 6.4 Nodal Division will notify the user of the data to submit the requisite amount for release of data as per availability of data based on information received from Design & Engineering Division.
- 6.5 On the basis of authorization from the **Executive Director (Design & Engineering)** and receipt of information regarding submission of requisite payment by the user agency to Nodal Division. Executive Director (Design & Engineering) would release the data to the Nodal Division within 15 days of the receipt of such authorization and the payment.
- 6.6 NHPC shall not be held responsible for any inference drawn based on these data.
- 6.7 The use of data obtained from NHPC shall be duly acknowledged in the DPR/report/publication.

## **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 the Executive Director (SBD & C) in the prescribed format given at **Annexure -I** along with a 'Secrecy Undertaking' (format given at the **Annexure -II**).
- 7.3 After receipt of the request for release of the data, Executive Director (Design & Engineering) would verify the authenticity of the user, the purpose of data request and the minimum data required for that purpose / study and forward the requests with his/her recommendations (**Annexure-III**), within thirty days of the receipt of such requests, to the CMD, NHPC.
- 7.4 The CMD, NHPC shall decide on the requests for release of classified data based on the requirement received, which shall be communicated to the Executive Director (Design & Engineering) .
- 7.5 Indian and foreign users would be supplied classified data on payment at following rates
  - 1) Gauge and discharge data- Rs. 1,30,000/- per year per site
  - 2) Gauge data- Rs. 85,000/- per year per site
  - 3) Meteorological data-Rs. 45000/- per year per site
  - 4) Silt data-Rs. 1,30,000/- per year per site

plus GST, for the minimum data required by user and as recommended by the Executive Director (Design & Engineering). The year for calculation of data charges will be water year (from 1st June to 31st May of following year). For dissemination of data for part of any year shall also be charged at the same rate as above. Payment to be made by user shall be intimated by Design & Engineering Division to Nodal Division i.e. SBD&C Division.

- 7.6 Nodal Division will notify, the user of the data, to submit the requisite amount for release of data as per availability of data based on information received from Design & Engineering Division.
- 7.8 On the basis of authorization from the CMD and receipt of information regarding submission of requisite payment by the user agency to Nodal Division. Executive Director (Design & Engineering) would release the data to the Nodal Division within 15 days of the receipt of such authorization and the payment.

7.09 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 NHPC shall be duly acknowledged in the DPR/report/publication.

7.10 NHPC shall not be held responsible for any inference drawn based on these data.

7.11 Data of Rivers falling under the preview of Indus Water Treaty shall be released only after obtaining permission from Indus Water Commission, Ministry of Jal Shakti by data user agencies.

## **8. Nodal Division**

8.1 SBD&C division shall be Nodal Division for the dissemination of data Hydro-meteorological data.

8.2 All the requisition shall be submitted to Executive Director (SBD&C) Division, NHPC Ltd, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003.

8.3 Invoicing for the data dissemination, as intimated by Design & Engineering Division shall be done by SBD&C Division.

## **9. Review of Hydro-meteorological Data Dissemination Policy**

9.1 The rates specified at sl.no. 6.3 and 7.5 will undergo a review at the conclusion of every five years from the policy's issuance date.

9.2 The CMD, NHPC shall be the competent authority to review this Hydro-meteorological Data Dissemination Policy along with the extent of classified data and procedure for release as and when required.

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## ANNEXURE-I

## 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 NHPC sites for which data is required:		
	<b>S. No.</b>	<b>Name of the NHPC site (s)</b>	<b>Name of the river on which the site(s) is located</b>
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.....
	(d) Meteorological data	Daily Historical Maximum/Minimum	
7.	Purpose for which data is required ( <b>A justification note to be attached</b> )		
8.	Whether analysis/ study of hydrological data will be undertaken in house;		Yes/ No
(i)			
(ii)	If the answer to query at sl. no. 8 (i) is NO, then name & address of the consultant deployed / to be deployed for the study:		
(iii)	Category of the consultant (as per data user categories specified in clause 4; supporting proof / documents to be attached)		
9.	Name, designation & address of the person authorized for collection of data		

In case data is approved for release, I abide to provide "Undertaking" in the prescribed format duly signed by me before release of the data.

Signature of the Officer  
of the Rank of General Manager/Head of Department/  
Managing Director or equivalent

Name in full with designation: \_\_\_\_\_

Name of the Department: \_\_\_\_\_

Address of the Office: \_\_\_\_\_

Dated: \_\_\_\_\_

ALONG WITH OFFICE SEAL

**SECRECY UNDERTAKING**

I ----- (Name in full with designation) do hereby undertake to abide by the following conditions in respect of the Hydro-meteorological Data supplied.

- 1) The Hydro-meteorological Data pertaining to..... *(Name of Sub Basins for which data is required)* of River Systems collected from NHPC Ltd, with reference to letter No.....dated..... will be used strictly for the said official purpose for which the data has been asked for.
- 2) The data will not be supplied to any Governmental / Non Governmental or Public Sector Undertaking without the prior concurrence / fresh permission.

OR

I have already intimated to the NHPC Ltd that we have engaged M/s \_\_\_\_\_ *(Name of the consultant)* a National/ an International consultant for carrying out the studies and data will be handed over to them for the purpose. I understand that I will be held responsible for passing the data to other agencies (Other than Consultants) even if it is passed by our consultants.

- 3) The data will not be published without the prior permission. 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 NHPC shall be duly acknowledged in the DPR/report/ publication.
- 4) The data shall be used for the specific purpose only for which the approval of the competent authority has been accorded.
- 5) NHPC will not be held responsible for any inference drawn based on these data.
- 6) Subsequent to release of data, if we deploy any other National/ International consultants for carrying out studies referred in my data request form, I will take prior permission from NHPC for transfer of data to them.
- 7) I understand that any breach of undertaking may invite civil liability.

Signature of the Officer  
of the Rank of General Manager/  
Head of Department/Managing Director or equivalent

Name in full with designation: \_\_\_\_\_  
Name of the Department: \_\_\_\_\_  
Address of the Office: \_\_\_\_\_  
Dated: \_\_\_\_\_

ALONG WITH OFFICE SEAL

**ANNEXURE-III**

**RECOMMENDATION OF EXECUTIVE DIRECTOR (DESIGN & ENGINEERING) OF NHPC**

1.	Name of the Indenting User	
2.	Address: Office	
3.	Address: Residence	
4.	Letter No. & date vide which request was made for release of data.	
5.	Category of User claimed (see clause 4 for data user categories)	
6.	Agreement with the claim about the category of user on the basis of proof/document submitted	YES/NO
7.	If the answer to query at sl. no. 4 is NO, then whether the indenting user has been informed within 15 days of the receipt of the request about requirement of additional proof /document and letter no. date of such letter.	
8.	Extent of data requested for?	
9.	Whether purpose for which data is required is justified?	
10.	Whether the required data is available? If not the extent of data available and recommended for release.	
11.	Payment to be collected before release of data along with calculation thereof	
12.	Recommendation of Executive Director (Design & Engineering) with signature, name and designation (office seal)	