No. CWC/

सत्यमेव जयते

जल शक्ति मंत्रालय

Ministry of Jal Shakti

जल संसाधन, नदी विकास और गंगा संरक्षण विभाग

Department of Water Resources, River Development and Ganga Rejuvena

केन्द्रीय जल आयोग

Central Water Commission

ऊपरी गंगा बेसिन संगठन

Upper Ganga Basin Organisation

गंगा नदी में न्यूनतम पर्यावरणीय प्रवाह का कार्यान्वयन
(उन्नाव तक)

IMPLEMENTATION OF MINIMUM ENVIRONMENTAL FL
(Up to Unnao)









स्थिति रिपोर्ट / Status Report

(जुलाई-सितंबर, 2026) / (July-September,2026)

अक्टूबर, 2026 / October, 2026

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कार्यकारी सारांश

भारत सरकार ने 9 अक्टूबर, 2018 की राजपत्र अधिसूचना के माध्यम से गंगा नदी के लिए न्यूनतम पर्यावरणीय प्रवाह को अधिसूचि

वर्तमान निगरानी रिपोर्ट **त्रितीय तिमाही यानी जुलाई 2026 से सितंबर 2026** के दौरान ई-प्रवाह की अनुपालन स्थिति को दर्शाति

क्र० सं०	परियोजना क	अनुपालन की स्थिति			
		अक्टूबर - दिसम्बर 2025	जनवरी-मार्च 2026	अप्रैल – जून, 2026	जुलाई-सितंबर, 2026
1	मनेरी भाली फेज I	11 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया	1 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया
2	मनेरी भाली फेज II	4 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया	1 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया
3	टिहरी-कोटेशर एचईपी	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया	प्रति घंटा/दैनिक लक्ष्य का अनुपालन किया गया। जुलाई 2026 में मासिक बाढ़ प्रवाह संबंधी आवश्यकता का अनुपालन नहीं किया गया।
4	विष्णुप्रयाग एचईपी	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया
5	सिंगोली भटवारी एचईपी	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया
6	श्रीनगर एचईपी	पूरे त्रैमास में अनुपालन नहीं किया गया	पूरे त्रैमास में अनुपालन नहीं किया गया	पूरे त्रैमास में अनुपालन नहीं किया गया	31 दिन के लिए अनुपालन नहीं किया गया
7	पशूलोक बराज	अनुपालन किया गया	1 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया	अनुपालन किया गया
8	भीमोगड़ा बराज	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया
9	चौधरी चरण सिंह मध्य गंगा बराज	1 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया
10	नरोरा बराज	अनुपालन किया गया	अनुपालन किया गया	2 दिन के लिए अनुपालन नहीं किया गया	अनुपालन किया गया
11	लव कुश बराज	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया	अनुपालन किया गया

पिछली4तिमाहीमेंई-प्रवाहमानदंडोंकेअनुपालनकीस्थितिइसप्रकारहै–

EXECUTIVE SUMMARY

The Government of India vide Gazette Notification dated 9th October, 2018, has notified the minimum environmental flows for River Ganga that has to be maintained at various locations on the river. The order applies to the Upper Ganga River Basin starting from originating glaciers and through respective confluences of its head tributaries finally meeting at Deoprayag up to Haridwar and the main stem of River Ganga up to Unnao district of Uttar Pradesh. CWC has been entrusted the responsibility of monitoring the compliance by project authorities on maintenance of desired e-flows. Monitoring of e-flows is being carried by UGBO, CWC since 1st January, 2019.

The current monitoring report covers the compliance status of e-flows during the **3rd quarter i.e., from July to September, 2026**. The releases made from the projects and other relevant data is transmitted to CWC through e-mail. Most of the projects have installed real

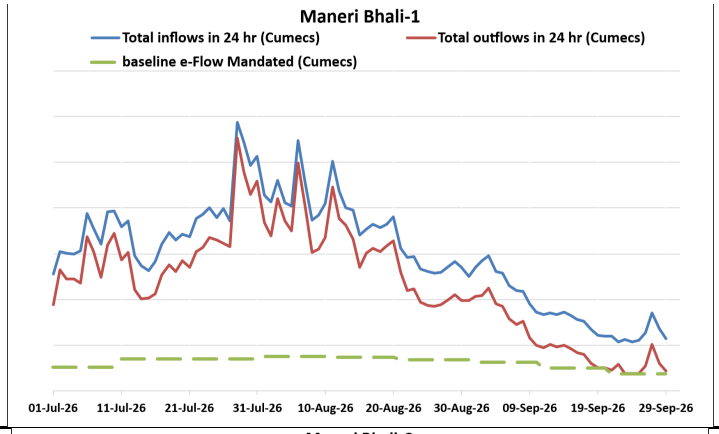
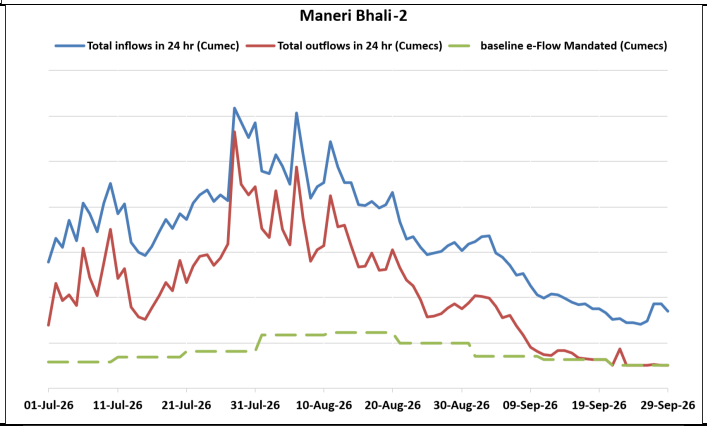
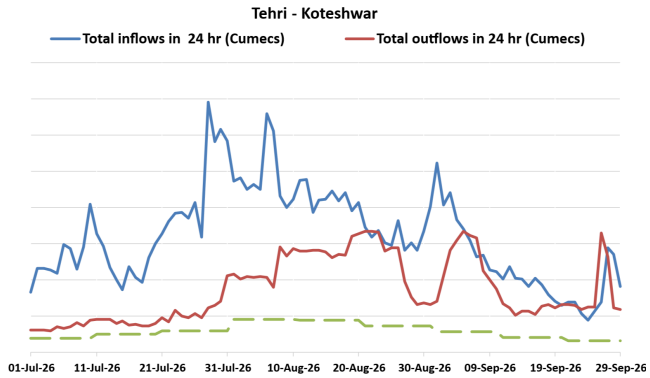
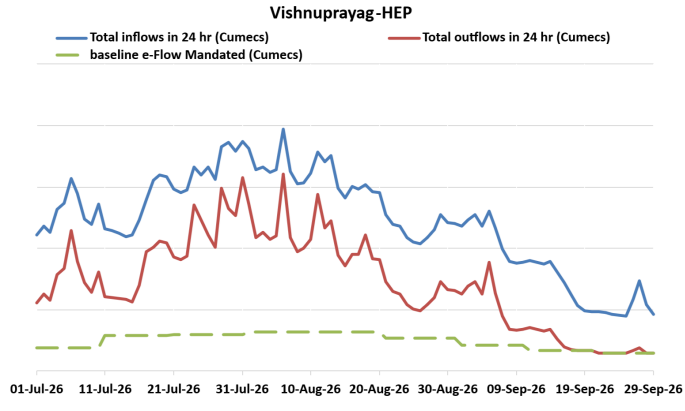
time data acquisition system and remaining project authorities are being requested for installation of SCADA/RTDAS and their integration with CWC Data server at the earliest for real time availability of hourly data. In this quarter, **Srinagar HEP did not comply with Hourly/Daily e-flow targets for 31 days. Tehri-Koteshwar Dam did not comply with flood fluxes requirement in Jul 2026.**

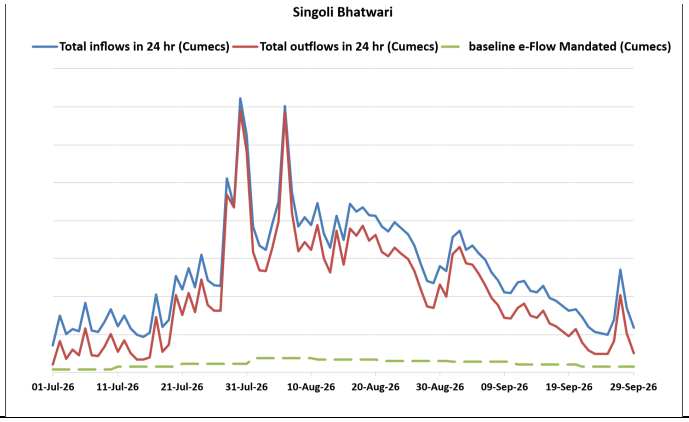
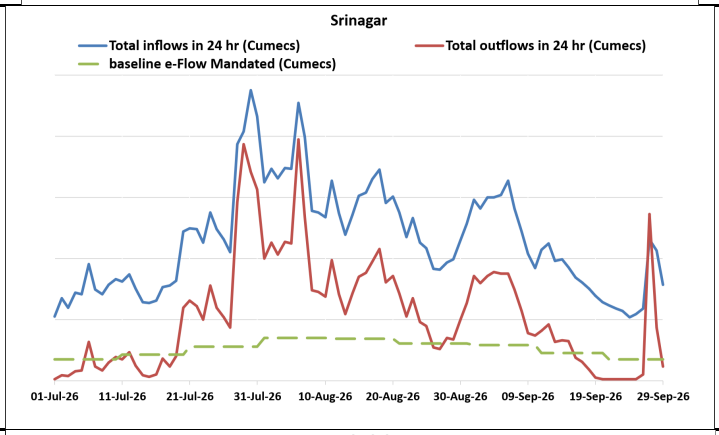
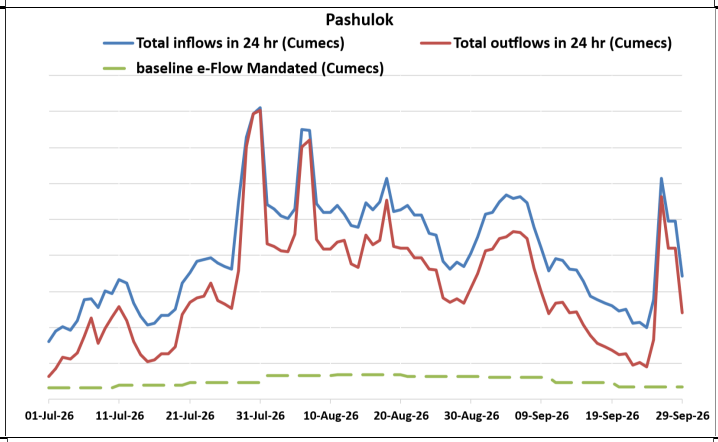
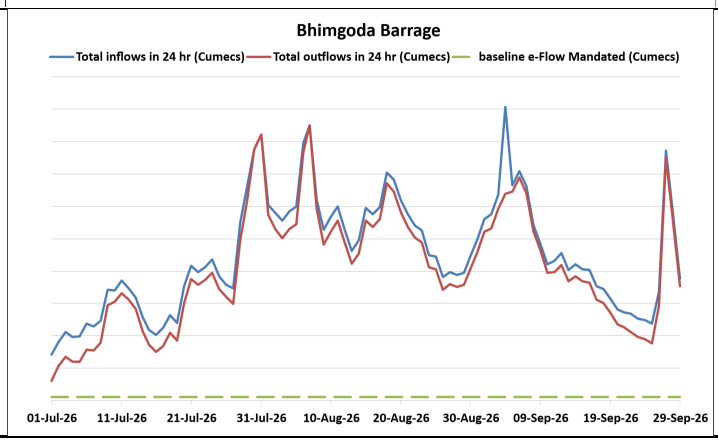
S. No.	Project Name	Status of Compliance			
		Oct-Dec 2025	Jan-Mar 2026	Apr-Jun 2026	Jul-Sep 2026
1	Maneri Bhali Phase I	Not complied for 11 days	Complied	Not complied for 1 day	Complied
2	Maneri Bhali Phase II	Not complied for 4 days	Complied	Not complied for 1 day	Complied
3	Tehri-Koteshwar Dam	Complied	Complied	Complied	Complied with Hourly/Daily Target. Not complied with flood fluxes requirement in Jul 2026
4	Vishnuprayag HEP	Complied	Complied	Complied	Complied
5	Singoli Bhatwari HEP	Complied	Complied	Complied	Complied
6	Srinagar Dam	Not complied for whole quarter	Not complied for whole quarter	Not complied for whole quarter	Not complied for 31 days
7	Pashulok Barrage	Complied	Not complied for 1 day	Complied	Complied
8	Bhimgoda Barrage	Complied	Complied	Complied	Complied
9	CCS Madhya Ganga Barrage	Not complied for 1 day	Complied	Complied	Complied
10	Narora Barrage	Complied	Complied	Not complied for 2 days	Complied
11	Lav Kush Barrage	Complied	Complied	Complied	Complied

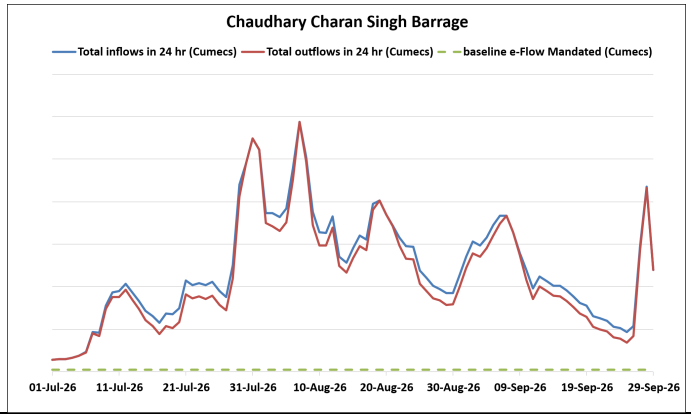
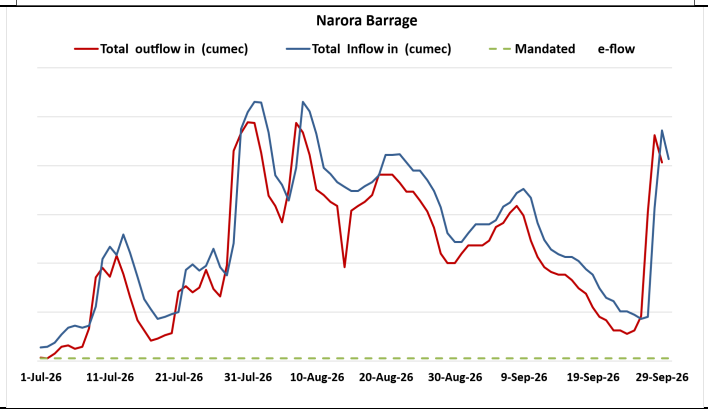
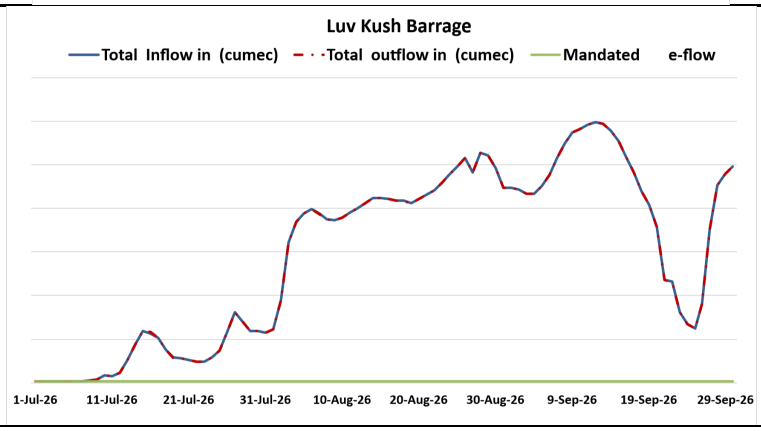
Status of compliance with the e-flow norms during last 04 quarters is as below:

इस तिमाही के दौरान ई-फ्लो अनुपालन की स्थिति दर्शाने वाले ग्राफ़-Graphs showing status E-Flow Compliance during this quarter

S N	परियोजना- Project	

1	Maneri Bhali Phase I मनेरी भाली चरण I	
2	मनेरी भाली चरण II Maneri Bhali Phase II	
3	टेहरी-कोटेश्वर बांध Tehri-Koteshwar Dam	
4	विष्णुप्रयाग एचईपी Vishnuprayag HEP	
5	सिंगोली भटवारी एचईपी Singoli Bhatwari HEP	

		
6	श्रीनगर एचईपी Srinagar HEP	
7	पशुलोक बैराज Pashulok Barrage	
8	भीमगोड़ा बैराज Bhimgoda Barrage	
9	सीसीएस मध्य गंगा बैराज CCS Madhya Ganga Barrage	

		
10	नरोरा बैराज Narora Barrage	
11	लव कुश बैराज Lav Kush Barrage	

क्रम संख्या	**परियोजना**	**ई-फ्लो गैर-अनुपालन अवधि / E-Flow Non-compliance Period**	**दैनिक ई-फ्लो लक्ष्य के सापेक्ष औसत प्रतिशत कमी / Average Percentage deficit against daily e-flow target**	**मासिक बाढ़ प्रवाह संबंधी ई-फ्लो लक्ष्य के सापेक्ष औसत प्रतिशत कमी / Average Percentage deficit against Monthly Flood Fluxes Compliance requirement**
1	श्रीनगर एचईपी Srinagar HEP	31 दिन · 01-05 जुलाई, · 07-08 जुलाई, · 11 जुलाई, · 13-19 जुलाई, · 26-27 अगस्त, · 16-26 सितंबर, · 29-30 सितंबर	57.53 %	-

2	टेहरी-कोटेश्वर बांध Tehri-Koteshwar Dam	जुलाई, 2026	-	7.38 %

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1.0 BACKGROUND

Ecological needs of the river have been recognized as one of the uses of water in the National Water Policy (2012). In the Preamble of the policy, it is mentioned that '*water is essential for sustenance of eco-system, and therefore, minimum ecological needs should be given due consideration*'. Clause 3.3 specifies that "*A portion of river flows should be kept aside to meet ecological needs ensuring that the low and high releases are proportional to the natural flow regime, including base flow contribution in the low flow season through regulated ground water uses*".

Government of India, vide Gazette Notification dated 9th October, 2018, has notified the minimum environmental flows for River Ganga that has to be maintained at various locations on the river. Environmental flows are the acceptable flow regimes that are required to maintain a river in the desired environmental state or predetermined state. The maintenance of minimum e-flow in the river would not only ensure sustenance of aquatic life but also go a long way in ensuring its *Aviralta* or continuous flow in the river. It will ensure that the river has at least the minimum required environmental flow of water even after the river flow gets diverted by projects and structures for purposes like irrigation, hydropower, domestic and industrial use etc.

The above order will apply to the upper Ganga River Basin starting from originating glaciers and through respective confluences of its head tributaries finally meeting at Devprayag up to Haridwar and the main stem of River Ganga up to Unnao district of Uttar Pradesh. The compliance of minimum environmental flow is applicable to all existing, under-construction and future projects. The existing projects which did not met the norms had to ensure that the desired environmental flow norms were complied with w.e.f 15th December, 2019. The mini and micro projects which do not alter the flow characteristics of the river or stream significantly are exempted from these environmental flows.

The flow conditions in these river reaches shall be monitored at hourly intervals from time to time. The Central Water Commission has been entrusted the responsibility for supervision, monitoring, regulation of flows and reporting of necessary information to the appropriate authority as and when required and also take emergent decisions about the

water storage norms in case of any emergency.

The concerned project developers or authorities will have to install automatic data acquisition and data transmission facilities at appropriate locations at project sites within six months. The Central Government through National Mission for Clean Ganga may direct release of additional water in the river Ganga to meet special demand as and when required.

2.0 GANGAPHYSIOGRAPHY

The Ganga River basin is the largest river basin in India in terms of catchment area, constituting 26% of the country's land mass (861,404 sq. km) and supporting about half a billion populations. The drainage area of the basin lies in 11 states covering Uttarakhand, Uttar Pradesh, Madhya Pradesh, Bihar, Jharkhand, Chhattisgarh, Rajasthan, West Bengal, Haryana, Himachal Pradesh and the Union Territory of Delhi. It traverses a course of 2525 km before flowing into the Bay of Bengal. It has a large number of tributaries joining it during this journey. The main physical sub-divisions are the Northern Mountains, the Gangetic Plains and the Central Highlands. Northern Mountains comprises the Himalayan ranges including their foot hills. The Gangetic plains, situated between the Himalayas and the Deccan plateau and covering most of the basin, are ideally suited for intensive cultivation. The culturable area of Ganga basin is about 57.96 Mha which is about 29.5% of the total culturable area of the country.

In the monitoring reach of river Ganga up to Unnao, there are many manmade interventions utilizing the water for various developmental needs such as drinking water, irrigation, hydro power etc. These projects impact the natural flows in the river. In upper Ganga basin up to Haridwar, there are a number hydro-electric project. Most of these projects are run-of-the river (ROR) projects except Tehri which is a major storage project having gross storage of 3.54 BCM and live storage 2.615 BCM. At Haridwar, Ganga opens to the Gangetic Plains, where Bhimgoda barrage diverts a large quantity of its waters into the Upper Ganga Canal and Eastern Ganga Canal, to provide water for irrigation and other consumptive uses. Further, about 76 km downstream of Haridwar, in Bijnor district, another barrage (Chaudhary Charan Singh Barrage) diverts water into the Madhya Ganga Canal but only during monsoon months. At Narora, there is further diversion of water into

the Lower Ganga Canal from Narora barrage, about 155 km downstream of Chaudhary Charan Singh Barrage. Further downstream from the barrage at Kanpur, Ganga water is being diverted to meet the drinking water requirements of Kanpur town.

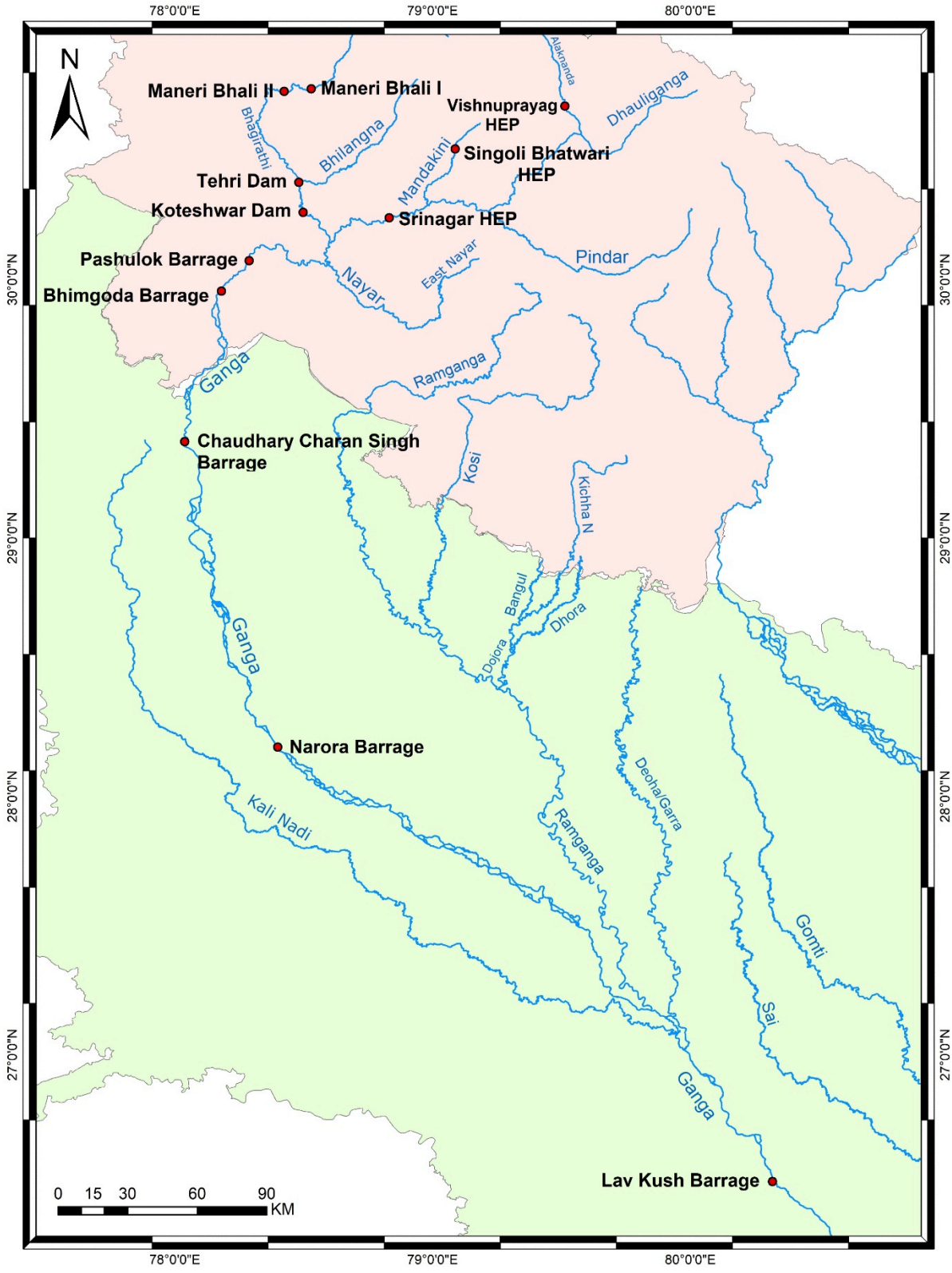


Figure 1. Map showing key Projects in Ganga Basin Up to Unnao

3.0 MINIMUME-FLOWSNORMS

The e-flows notified by the Government of India Vide Gazette Notification dated 9th October, 2018 are as follows:

3.1 Upper Ganga River Basin Stretch starting from originating glaciers and through respective confluences finally meeting at Devprayag up to Haridwar:

Table 1- E-flow Norms for Projects in Upper Ganga Basin up to Haridwar

SlNo	**Season**	**Months**	**(%) Percentage of Monthly Averag Flow observed during each preceding10-dailyperiod**
1	Dry	November to March	20
2	Lean	October, April and May	25
3	High Flow	June to September	30*#

*# 30% of monthly flow of High flow season.

3.2 Stretch of main stem of River Ganga from Haridwar, Uttarakhand to Unnao, Uttar Pradesh

Table 2- E-flow Norms for Projects in Main Ganga Stem from Haridwar to Unnao

Sl. No.	Location of Barrage	Minimum flow releases Immediately downstream of Barrages ***(In Cumecs)*** **Non-Monsoon (October to May**	Minimum flow releases immediately downstream of barrages ***(In Cumecs)*** **Monsoon (June to September)**
1	Bhimgoda (Haridwar)	36	57
2	Bijnor	24	48
3	Narora	24	48
4	Kanpur	24	48

3.3 New Standard Operating Procedures for implementation/monitoring of minimum environmental flows in River Ganga

The new Standard Operating Procedures (SOP) for implementation/monitoring of minimum environmental flows in River Ganga was approved by National Mission for Clean Ganga (NMCG) vide letter F. No. 5/46/2017-Hyd (NE) dated 24.01.2020. Accordingly, the e-flow for monsoon season i.e., June to September has been calculated as per new SOP.

During June to September (Monsoon Period)

Looking the high variability in the flows during monsoon period, the mandated e-flows for this period shall comprise of two components:

(i) e-flows corresponding to Baseline Inflows

30 percent of the 10-daily average of baseline inflows is considered as baseline e-flows for corresponding 10 daily periods. The baseline inflows at a given project location may be assessed based on fitted trend line (10 per moving average) on lower envelope of past 10 years' inflow at the project location. As baseline inflows shall be available with degree of reliability, the e-flows corresponding to baseline inflows would be **Mandate e-flow** release as per target for each ten-daily period.

(ii) e-flows Corresponding to Flood Fluxes

As flood fluxes are stochastic in nature, e-flows corresponding to flood fluxes may be released any time during the month preferably at the time of high flood wave(s). The project authorities shall be at liberty to release the E-flows corresponding to flood fluxes at any time during the month. However, the quantum of e-flow component from flood fluxes should be adequate so as to meet overall target of e-flows (30 percent of gross inflows during the month including baseline e-flows).

To analyze the compliance/ non-compliance status during the month, the volume of water as outflow has to be more than 30% of gross volume of water received as inflow.

Note: E-flow compliance assessment in this report has been carried out as per the applicable NMCG e-flow notification, wherein the monsoon season is defined as

June–September. However, for the purpose of CWC Flood Forecasting activities in the Ganga Basin, the designated flood period is considered as **01Juneto31October**.

4.0 PROJECTSUNDERMONITORING

In upper Ganga River basin upstream of Haridwar, river valley projects are largely non-consumptive and are mainly used for hydro power generation. Few minor projects are also being used for irrigation and drinking water purposes. From Haridwar onwards beginning with Bhimgoda Barrage, projects are being used for water diversion for irrigation, domestic and industrial uses.

ThekeyprojectsinGangauptoUnnaoarelistedbelow:

Table 3: Key projects on River Ganga up to Unnao

S.No	NameofProject	River/Tributary	District/State	Remarks
ProjectsonAlaknandaanditstributaries				
1.	Vishnuprayag HEP (400 MW)	Ganga/Alaknanda	Chamoli/ Uttarakhand	
2.	Vishnugad Peepal Koti HEP (444 MW)	Ganga/Alaknanda	Chamoli/ Uttarakhand	Under construction
3.	Srinagar HEP (330 MW)	Ganga/Alaknanda	Pauri Garhwal /Uttarakhand	-
4.	Tapovan Vishnuprayag HEP (520 MW)	Ganga/Alaknanda/ Dhauliganga	Chamoli/ Uttarakhand	Under construction
5.	Singoli Bhatwari HEP (99 MW)	Ganga/Alaknanda/ Mandakini	Rudraprayag/ Uttarakhand	
ProjectsonBhagirathianditstributaries				
1.	Maneri Bhali Phase-I HEP (90 MW)	Ganga/Bhagirathi	Uttarkashi/ Uttarakhand	
2.	Maneri Bhali Phase-II HEP (304 MW)	Ganga/Bhagirathi	Uttarkashi/ Uttarakhand	
3.	Tehri HEP (1000 MW)	Ganga/Bhagirathi	Tehri Garhwal/ Uttarakhand	
4.	Koteshwar HEP (400 MW)	Ganga/Bhagirathi	Tehri Garhwal/ Uttarakhand	
9.	Tehri Pump Storage Plant (1000 MW)	Ganga/Bhagirathi	Tehri Garhwal/ Uttarakhand	Reported to be Commissioned
ProjectsonGangaMainStream				
1.	Pashulok Barrage, Rishikesh (Chilla HEP, 143 MW)	Ganga	Rishikesh/Uttarakhand	
2.	Bhimgoda Barrage	Ganga	Haridwar/Uttarak	

S.No	NameofProject	River/Tributary	District/State	Remarks
	(Irrigation)		hand	
3.	Chaudhary Charan Singh Barrage (Irrigation)	Ganga	Bijnor/Uttar Pradesh	
4.	Narora Barrage (Irrigation& Industrial)	Ganga	Narora/Uttar Pradesh	
5.	Lav Kush Barrage (Drinking Water)	Ganga	Kanpur/Uttar Pradesh	

Considering the extent of modifications of flows by the projects, following projects are being monitoredpresentlyforimplementationofE-flowsw.e.f.1stJanuary,2019:

Table 4: List of Projects being monitored presently

Sl. N	Name of the Project	Agency
1.	Maneri Bhali Stage-I	UJVNL
2.	Maneri Bhali Stage –II	UJVNL
3.	Tehri – Koteshwar Dam	THDCIL
4.	Vishnuprayag HEP	JPVL
5.	Srinagar HEP	GVK
6.	Singoli Bhatwari HEP	ReNew Jal Urja Ltd
7.	Pashulok Barrage/ Chilla HEP	UJVNL
8.	Bhimgoda Barrage	UP Irrigation & WRD
9.	Chaudhary Charan Singh Barrage	UP Irrigation & WRD
10.	Narora Barrage	UP Irrigation & WRD
11.	Lav Kush Barrage	UP Irrigation & WRD

Table 5: Length of river stretch below the diversion at the project for which e-flow has been mandated

S No	Name of project	River/ Tributary	District/ State	Length of river stretch in km	Remarks
1	Vishnuprayag HEP	Ganga/ Alaknanda	Chamoli/ Uttarakhand	18.5	River Dhauliganga joins Alaknanda at 14 km d/s of Vishnuprayag barrage.
2	Singoli Bhatwari HEP	Ganga/ Alaknanda/ Mandakini	Rudraprayag/ Uttarakhand	13.8	Small nallas joins river Mandakini.
3	Srinagar HEP	Ganga/ Alaknanda	Pauri Garhwal/ Uttarakhand	6.8	No river joins river Alaknanda in this reach.
4	Maneri Bhali-I HEP	Ganga/ Bhagirathi	Uttarkashi/ Uttarakhand	13	River Asi Ganga joins river Bhagirathi at 9 Km d/s of Maneri Bhali Phase I Dam.
5	Maneri Bhali-II HEP	Ganga/ Bhagirathi	Uttarkashi/ Uttarakhand	28	River Dusk joins River Bhagirathi at 26.5 Km d/s of Maneri Bhali Phase II dam.
6	Tehri+ Koteshwar HEP	Ganga/ Bhagirathi	Tehri Garhwal/ Uttarakhand	NA	Outflow from TRT of Tehri dam joins Koteshwar reservoir.
7	Pashulok Barrage	Ganga	Dehradun/ Uttarakhand	15.3	River Satyanarayan joins river Ganga.
8	Bhimgoda Barrage	Ganga	Haridwar/ Uttarakhand	NA	River Solani joins river Ganga before Chaudhary Charan Singh Barrage.
9	Chaudhary Charan Singh Barrage	Ganga	Bijnor/Uttar Pradesh	NA	-
10	Narora Barrage	Ganga	Aligarh/Uttar Pradesh	NA	-

5.0 DATA COLLECTION NETWORK AND TRANSMISSION STATUS

Table 6: Status of data collection network and transmission system at projects

Sl. No.	Name of the Project	Agency	Data Collection Network	Data Transmission system
1.	Maneri Bhali Stage-I	UJVNL	Automatic sensors	Through email. API under Testing (Data receipt = 21.8 %)
2.	Maneri Bhali Stage –II	UJVNL	Automatic sensors	Through email. API under Testing (Data receipt = 23.4 %)
3.	Tehri- Koteshwar Dam	THDC	Manual	Through email.
4.	Vishnuprayag HEP	JPVL	Automatic sensors	Through email API under Testing (Data receipt = 93.8 %)
5.	Singoli Bhatwari HEP	ReNew Jal Urja Ltd	Automatic sensors	Through email API under Testing (Data receipt = 90.5 %)
6.	Pashulok Barrage/ Chilla HEP	UJVNL	Automatic sensors	Through email. API under Testing (Data receipt = 91.3 %)
7.	Chaudhary Charan Singh Barrage	UP Irrigation	Automatic sensors	Through email. API Details are yet to be received from the project authority.
8.	Srinagar HEP	GVK	Automatic sensors	Through email. API under Testing (Data receipt = 96.2 %)
9.	Bhimgoda Barrage	UP Irrigation	Automatic sensors	Data is currently received via email on a 3-hourly basis, instead of the mandated hourly basis. API Details are yet to be received from the project authority.
10.	Narora Barrage	UP Irrigation	Automatic sensors	Through email. Also, the data is accessible to IWRD through Login https://upidautomation.in/ API Details are yet to be received from the project authority.
11.	Lav Kush Barrage	UP Irrigation	Manual	Through email

5.1 Data Transmission Status

The flow data is being received from all the Projects being monitored. Few Projects are not sending the flow data on hourly basis. The matrix showing the status of data transmission from the Project Authorities to CWC for the current quarter is attached as **Annexure I**. Maneri Bhali I, Maneri Bhali II, Pashulok Barrage, Srinagar HEP, Vishnuprayag, Singoli Bhatwari, Chaudhary Charan Singh Barrage, Narora and Bhimgoda Barrage have installed

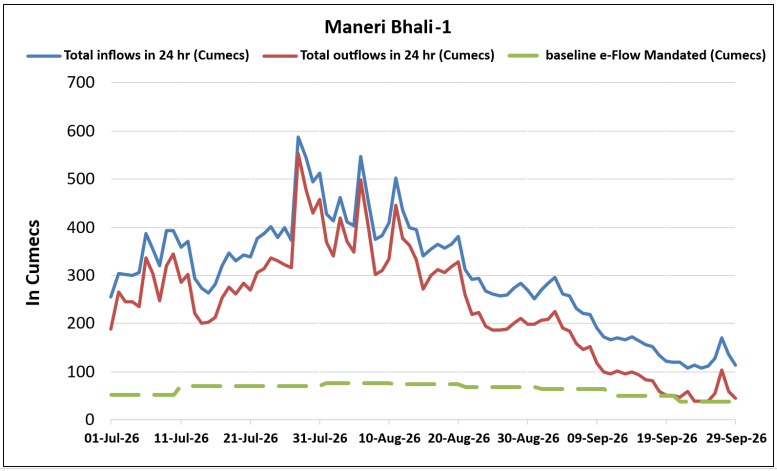
data acquisition system. Requests have been made with the project authorities for integration of the system with CWC server for real time monitoring/retrieval of data.

As of **September 2026**, data from six projects is being received in the Eflow web portal through the API. However, there is variation in the percentage of data received against the stipulated norm of 24 records per day. Data receipt percentage through API for projects is variable. Additionally, variations have been observed between the data received through the API and that obtained through other modes. Since Eflow targets are highly sensitive and can be affected by even minor variations in hourly values, complete reliance on API-based data can be achieved only after correct and complete data receipt. The data receipt percentage for individual project during the quarter **July-Sep 2026** has been presented in the **Table6**.

6.0 CURRENTSTATUSOFIMPLEMENTATIONOFMINIMUME-FLOWS

Project wise status of Inflow Vs Outflow Vs Stipulated environmental flows is given below:

6.1 MANERIBHALIPHASE-I



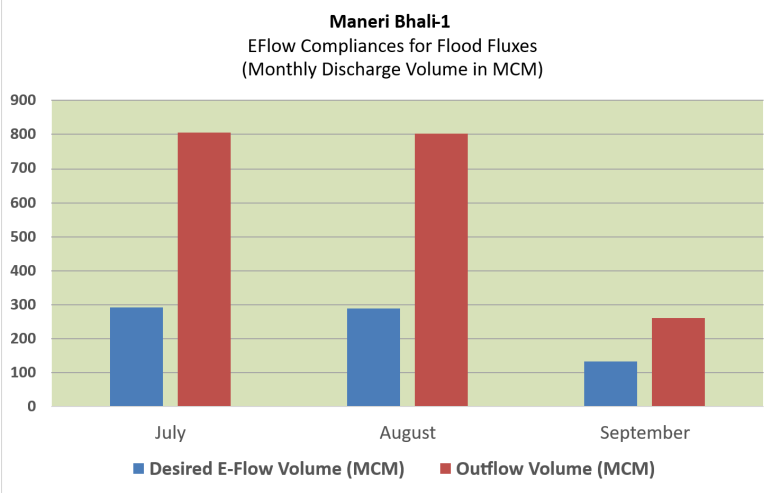


Figure 2: Graphs showing status of implementation of E-Flow at Maneri Bhali-I

The project was **incompliance** with the e-flow norms for whole quarter

6.2 MANERIBHALIPHASE-II

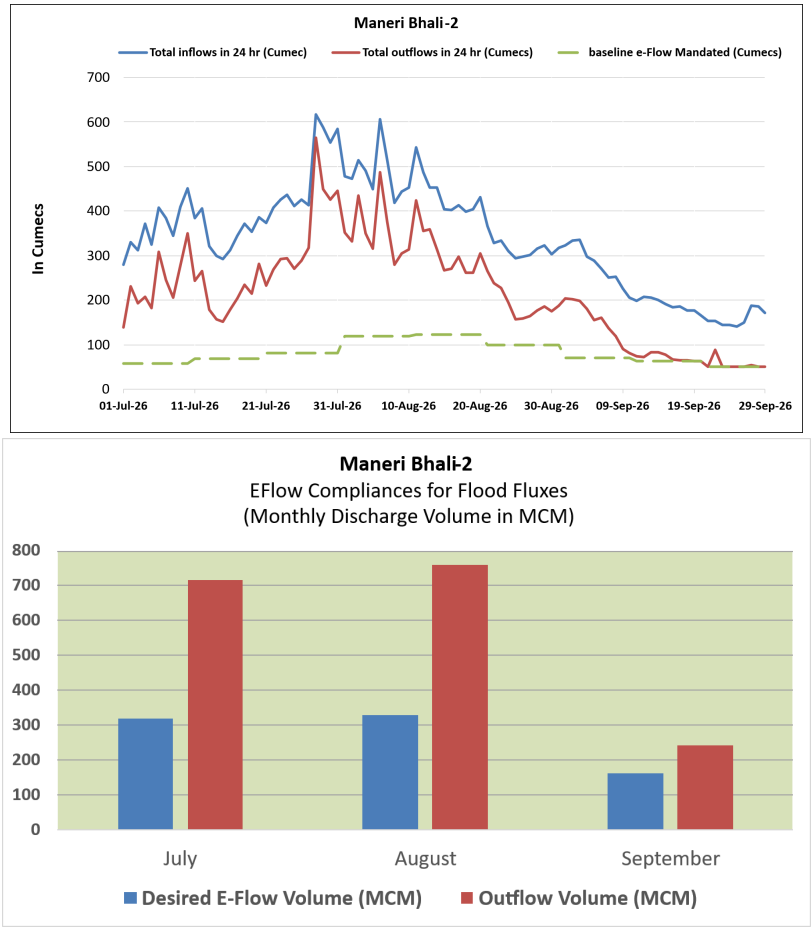
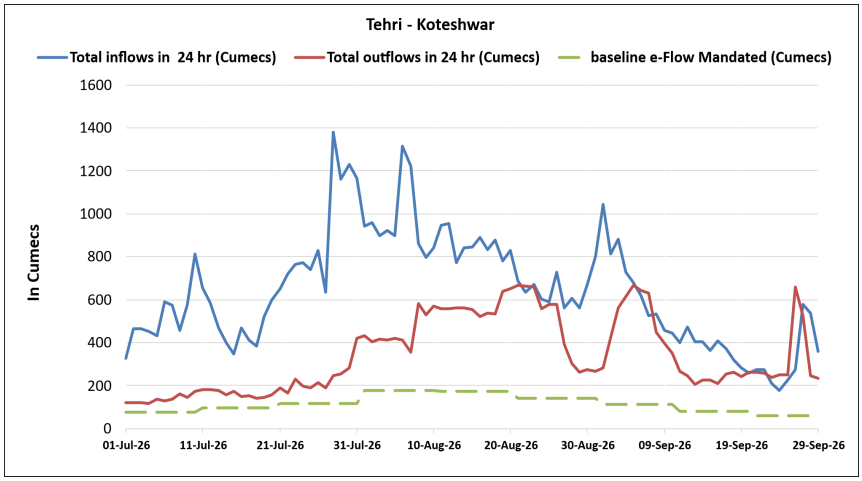


Figure 3: Graphs showing status of implementation of E-Flow at Maneri Bhali- II

The project was **incompliance** with the e-flow norms for whole quarter**.**

6.3 TEHRI-KOTESHWARDAM



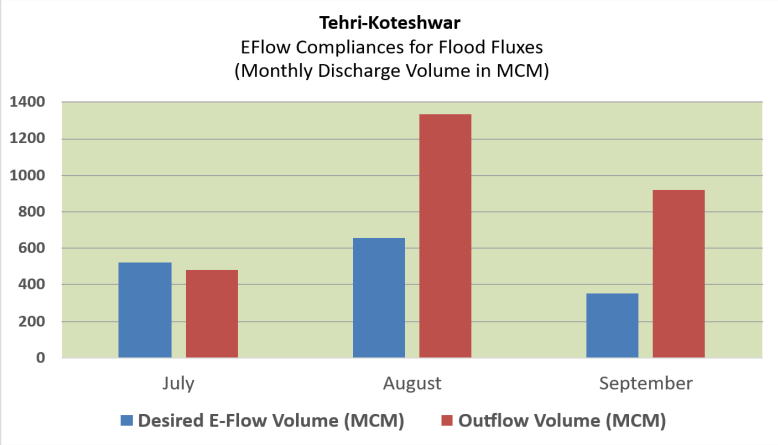


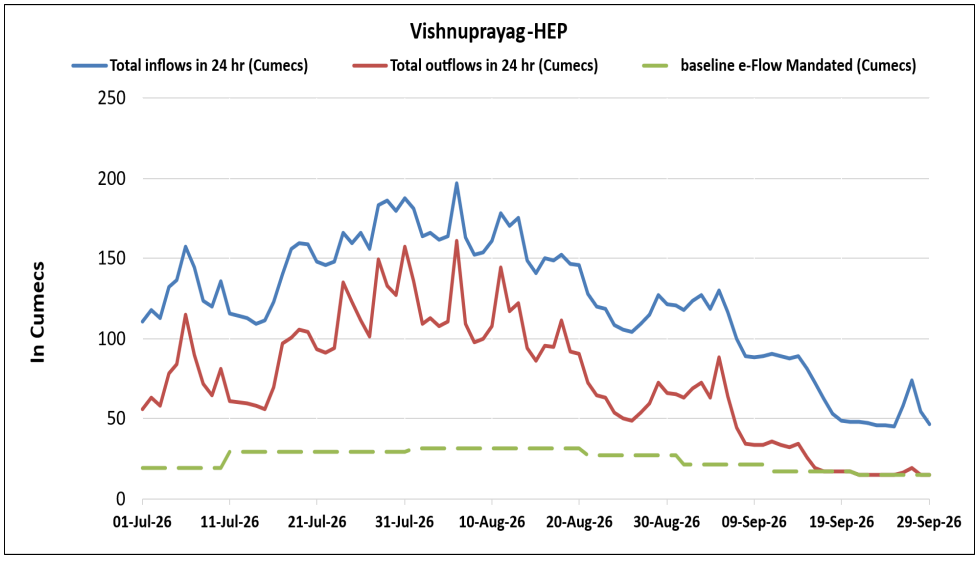
Figure 4: Graphs showing status of implementation of E-Flow at Tehri – Koteshwar

The project was **in compliance** with the Hourly/Daily e-flow norms for whole quarter. The project was in non-compliance with the flood fluxes requirement of e-flow norms for July,2026 with percentage variation of 7.38 %. The Division office had informed the project of their non-compliance through email.

The Chairman, CWC, vide his Advisory letter addressed to the Secretary, Irrigation Department, Government of Uttarakhand, regarding Tehri and Nanak Sagar Dams, advised the judicious utilization of available water. CWC had also raised this matter during the FCMT meeting held on 30.06.2026.

The Dam Authority informed that in response to the above letter, the reservoir was operated prudently to maintain adequate storage for the ensuing period. Consequently, the prescribed e-flow target could not be fully achieved. The Authority assured that due care would be taken to ensure compliance with e-flow targets in the future.

6.4 VISHNUPRAYAGHEP



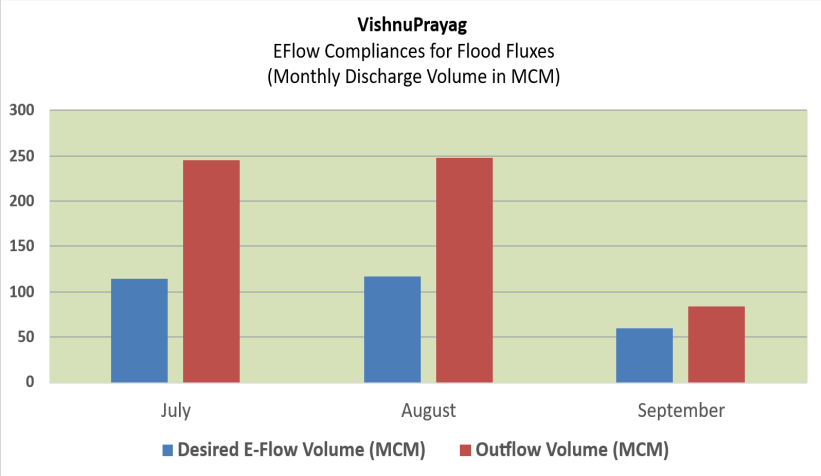
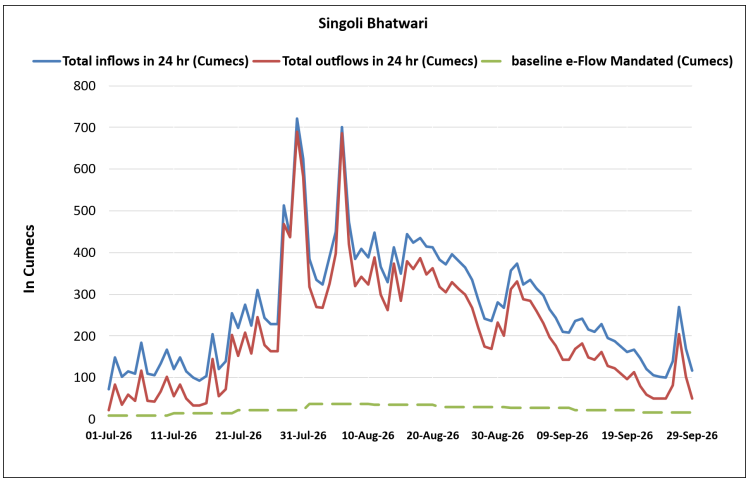


Figure 5: Graphs showing status of implementation of E-Flow at Vishnuprayag HEP

The project was **in compliance** with the e-flow norms for whole quarter.

6.5 SINGOLI BHATWARI



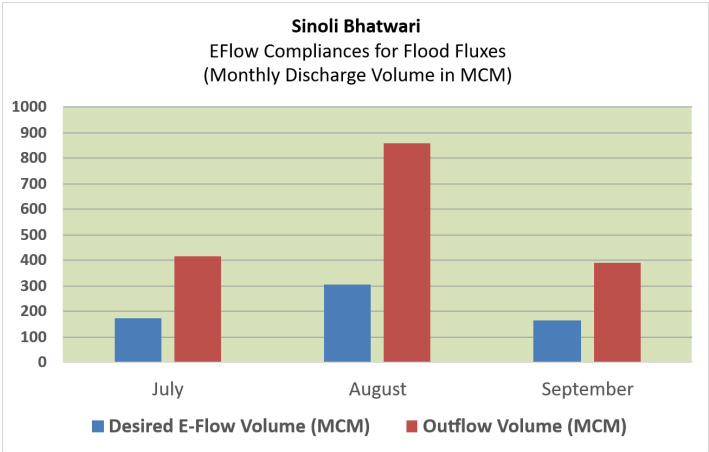


Figure 6: Graphs showing status of implementation of E-Flow at Singoli Bhatwari HEP

The project was **incompliance** with the e-flow norms for the whole quarter.

6.6 SRINAGARHEP

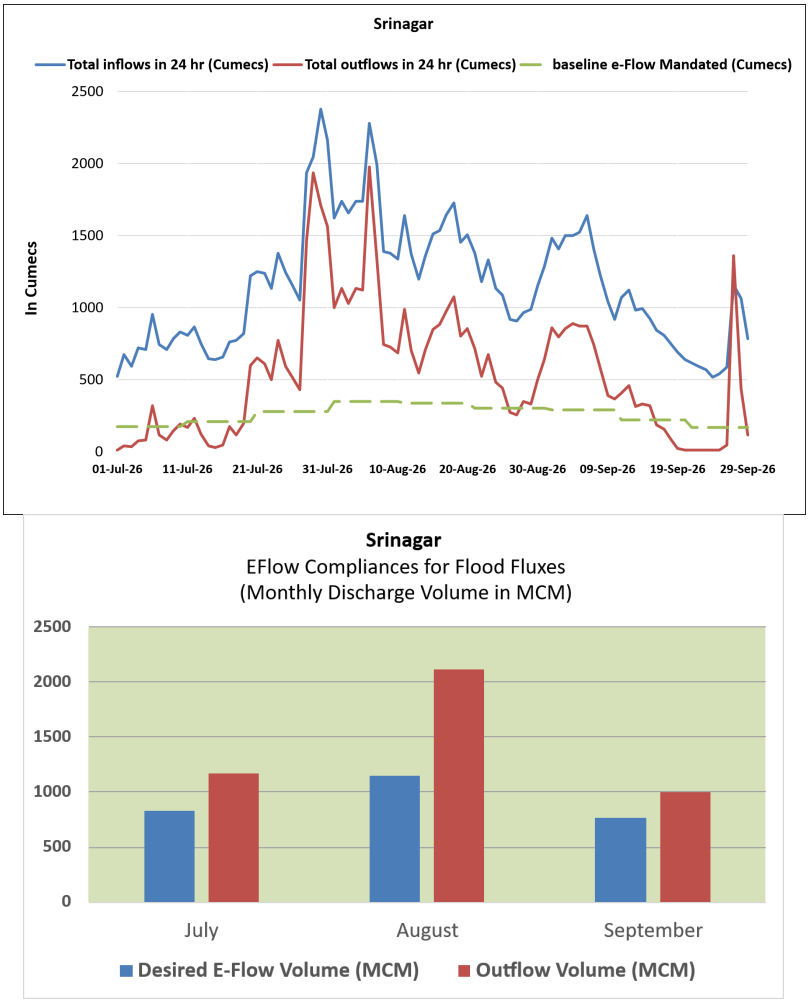
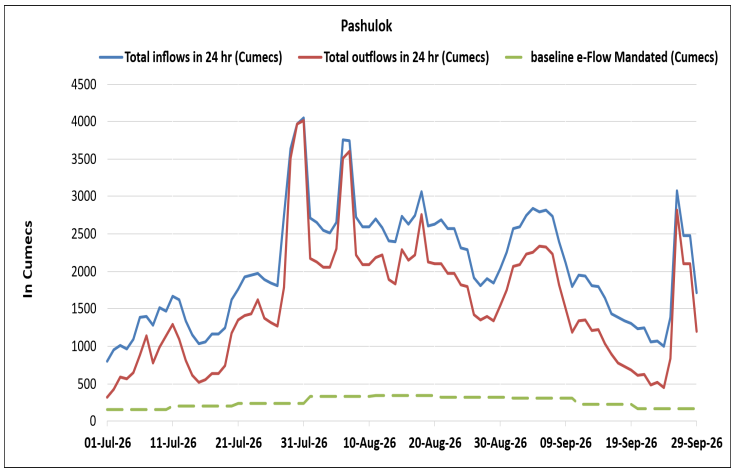


Figure 7: Graphs showing status of implementation of E-Flow at Srinagar HEP

The project was in **non-compliance** **with the Hourly/Daily e-flow norms for 31 days with percentage variation of 57.53 %.** The Division office had informed the project of their non-compliance through email.

6.7 PASHULOKBARRAGE



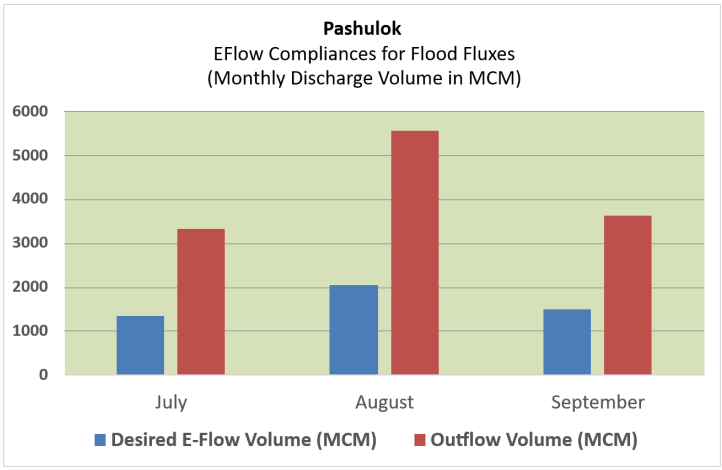


Figure 8: Graphs showing status of implementation of E-Flow at Pashulok Barrage

The project was **incompliance** with the e-flow norms for the whole quarter.

6.8 BHIMGODABARRAGE

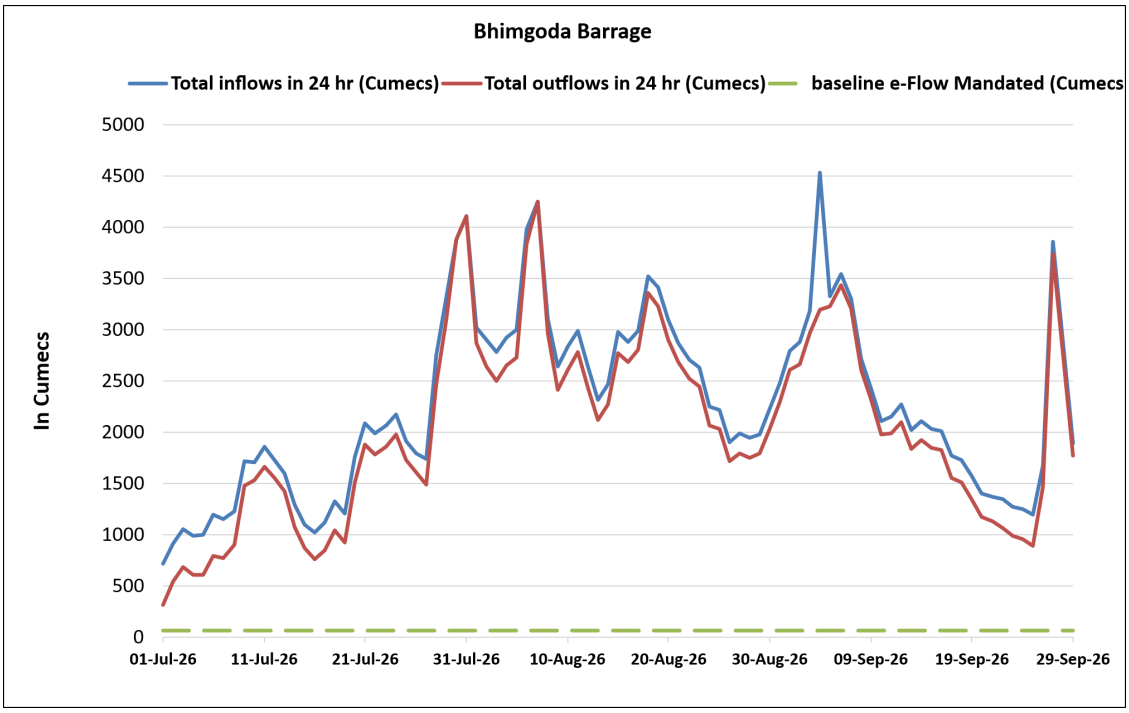


Figure 9: Graph showing status of implementation of E-Flow at Bhimgoda Barrage

The project is **in compliance** with the e-flow norms for the whole quarter.

6.9 CHAUDHARYCHARANSINGHBARRAGE

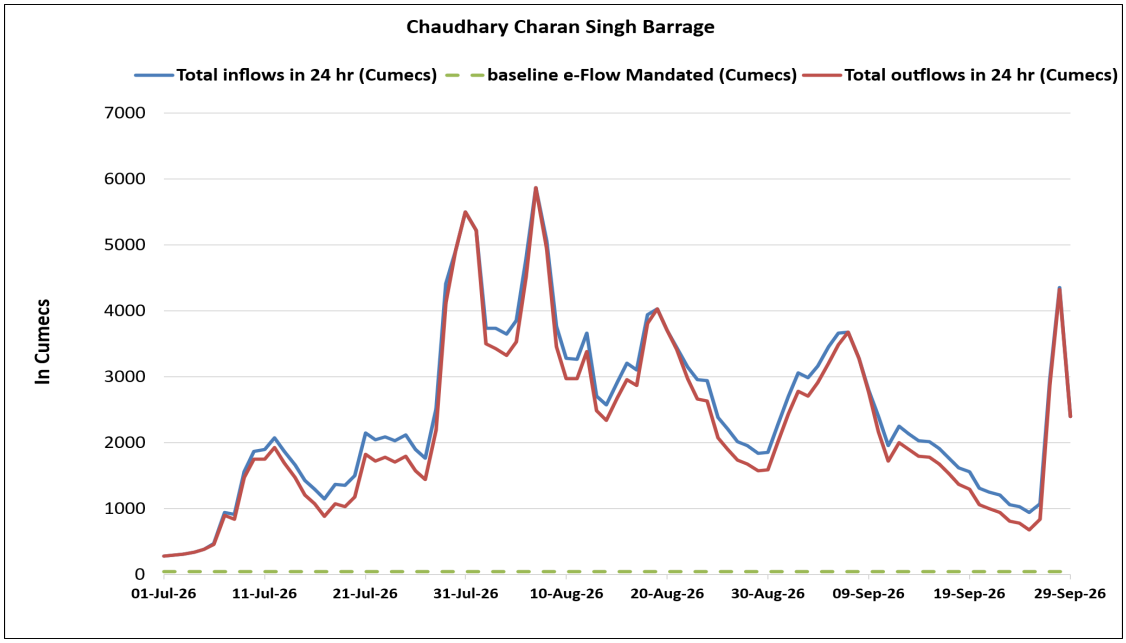


Figure 10: Graph showing status of implementation of E-Flow at Chaudhary Charan Singh Barrage

The project is **in compliance** with the e-flow norms for the whole quarter.

6.10 NARORABARRAGE

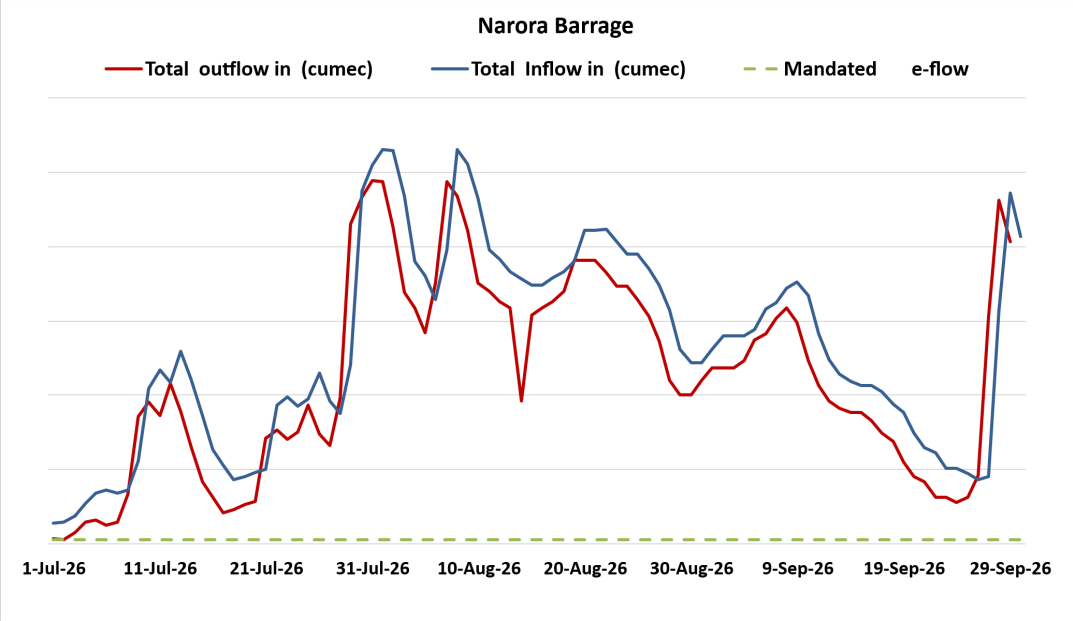


Figure 11: Graph showing status of implementation of E-Flow at Narora Barrage

The project is **in compliance** with the e-flow norms for the whole quarter.

6.11 LAVKUSHBARRAGE

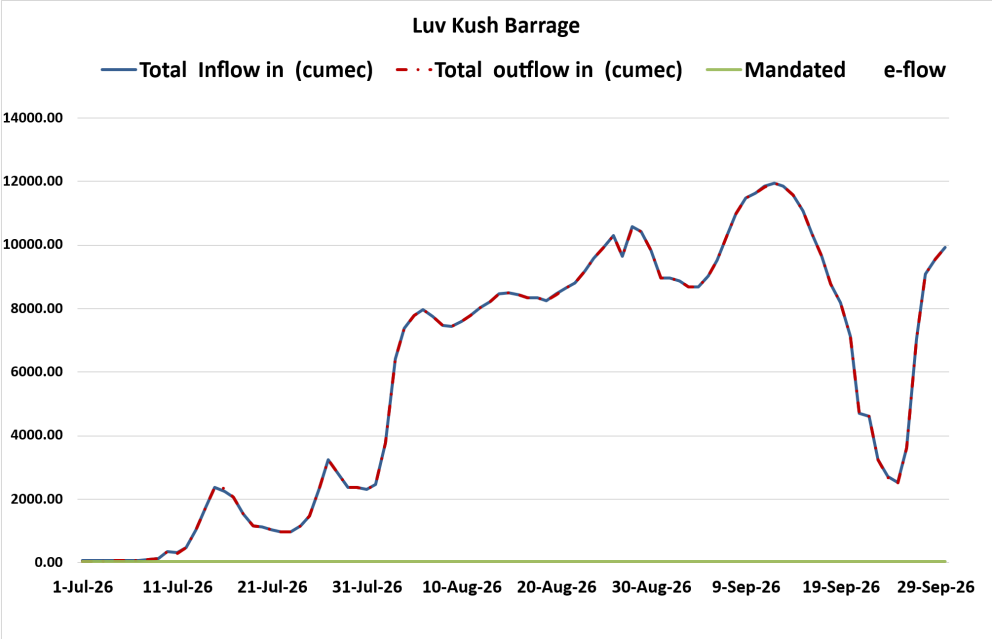


Figure 12: Graph showing status of implementation of E-Flow at Lav Kush Barrage Project.

The project is **in compliance** with the e-flow norms for the whole quarter.

7.0 CONCLUSIONS

Most of the projects have now installed real time data acquisition system and some are under upgradation. However, due to absence of the integration of the project SCADA/RTDAS with the CWC server/system the data cannot be saved/retrieved except for Vishnuprayag HEP, Srinagar HEP & Singoli Bhatwari HEP; whose data is being fetched through API (currently under testing). Similar is the case for UJVNL Projects. Further the format of the data available through the online link is different for different projects. The project authorities are being pursued for installation of SCADA/RTDAS (wherever not installed) as well as sharing of API for the same and its integration with CWC server.

Annexure I

Data Transmission Status Matrix

Project Name	Maneri Bhali-1	Maneri Bhali-2	Tehri-Koteshwar Dam	Bhimgoda Barrage	Vishnuprayag	Ch. C.S.M.G. Barrage	Pashulok Barrage	GVK Srinagar	Singoli Bhatwari	Narora Barrage	Kanpur Barrage
01-07-26	B	A	B	C	C	B	A	A	A	B	B
02-07-26	B	A	B	C	C	B	A	A	A	B	B
03-07-26	B	A	B	C	C	B	A	A	A	B	B
04-07-26	B	B	B	C	C	B	B	A	A	B	B
05-07-26	A	A	B	C	C	B	A	A	A	B	B
06-07-26	A	A	B	C	C	B	A	A	A	B	B
07-07-26	A	A	B	C	C	B	A	A	A	B	B
08-07-26	A	A	B	C	C	B	A	A	A	B	B
09-07-26	B	A	B	C	C	B	A	A	A	B	B
10-07-26	A	B	B	C	C	B	B	A	A	B	B
11-07-26	A	B	B	C	C	B	A	A	B	B	B
12-07-26	B	A	B	C	C	B	A	A	A	B	B
13-07-26	A	A	B	C	C	B	A	A	A	B	B
14-07-26	A	A	B	C	C	B	A	A	A	B	B
15-07-26	A	B	B	C	C	A	B	A	A	B	B
16-07-26	B	B	B	C	C	B	A	A	A	B	B
17-07-26	A	A	B	C	C	B	A	A	A	B	B
18-07-26	B	B	B	C	C	B	B	A	A	B	B
19-07-26	A	A	B	C	C	B	A	A	A	B	B
20-07-26	A	A	A	C	C	B	A	A	A	B	B
21-07-26	A	A	B	C	C	B	A	A	A	B	B
22-07-26	A	B	B	C	C	B	A	A	A	B	B
23-07-26	A	A	B	C	C	B	A	A	A	B	B
24-07-26	A	A	B	C	C	B	A	A	A	B	B
25-07-26	B	B	B	C	C	B	B	A	A	B	B
26-07-26	A	A	B	C	C	B	A	A	A	B	B
27-07-26	A	A	B	C	C	B	A	A	A	B	B
28-07-26	B	A	B	C	C	B	A	A	A	B	B
29-07-26	A	A	B	C	C	B	A	A	A	B	B
30-07-26	B	A	B	C	C	B	A	A	A	B	B
31-07-26	A	A	A	C	C	B	A	A	A	B	B
01-08-26	B	B	B	C	C	B	B	A	A	B	B
02-08-26	A	A	B	C	C	B	A	A	A	B	B
03-08-26	A	A	B	C	C	B	A	A	A	B	B
04-08-26	A	A	B	C	C	B	A	A	A	B	B
05-08-26	B	A	B	C	C	B	A	A	A	B	B
06-08-26	A	A	B	C	C	B	A	A	A	B	B
07-08-26	A	B	B	C	C	B	B	A	A	B	B
08-08-26	B	B	B	C	C	B	A	A	A	B	B
09-08-26	**A**	A	B	C	C	B	A	A	A	B	B
10-08-26	**A**	**A**	**A**	C	C	B	A	A	A	B	B
11-08-26	**A**	**A**	B	C	C	B	A	A	A	B	B
12-08-26	**A**	**A**	B	C	C	B	B	A	A	B	B
13-08-26	**A**	**A**	B	C	C	B	A	A	A	B	B
14-08-26	B	**A**	B	C	C	B	B	A	A	B	B
15-08-26	B	B	B	C	C	B	A	A	A	B	B
16-08-26	A	A	B	C	C	B	A	A	A	B	B

17-08-26	A	A	B	C	C	B	A	A	A	B	B	
18-08-26	A	A	B	C	C	B	A	A	A	B	B	
19-08-26	A	A	B	C	C	B	A	A	A	B	B	
20-08-26	A	A	A	C	C	B	A	A	A	B	B	
21-08-26	B	A	B	C	C	B	A	A	A	B	B	
22-08-26	A	B	B	C	C	B	A	A	A	B	B	
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02-09-26	A	A	A	C	C	B	B	A	A	B	B	
03-09-26	B	B	B	C	C	B	B	A	A	B	B	
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05-09-26	B	B	B	C	C	B	B	A	A	B	B	
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14-09-26	B	A	B	C	C	B	A	A	A	B	B	
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22-09-26	A	A	B	C	C	B	A	A	A	B	B	
23-09-26	A	A	B	C	C	B	A	A	A	B	B	
24-09-26	A	A	B	C	C	B	A	A	A	B	B	
25-09-26	A	A	B	C	A	B	A	A	A	B	B	
26-09-26	B	B	B	C	B	B	B	B	A	B	B	
27-09-26	A	A	B	C	A	B	A	B	A	B	B	
28-09-26	A	A	A	C	A	B	A	A	A	B	B	
29-09-26	A	A	A	C	A	B	A	B	A	B	B	
30-09-26	A	A	A	C	A	B	A	B	A	B	B	

A	Hourly flow data received in time
B	Hourly flow data received not in time
C	Data received but not in desired format
D	No data received