

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL,**

**PRINCIPAL BENCH, NEW DELHI**

**Original Application No. 493/2022**

**In the matter of:**

In re: News item published in the Newspaper named, The Times of India dated 05.07.2022 titled "Dead fish in Najafgarh drain, pollution could be to blame"

**NDOH: 30.11.2022**

**INDEX**

<b>Sl.No.</b>	<b>Particulars</b>	<b>Page No.</b>
1.	Status report in compliance to with respect to Hon'ble NGT order dated 11.07.2022	1 - 20

Filed by

(Delhi Pollution Control Committee)  
Respondents

Dated: 20<sup>th</sup> October, 2022  
Place: Delhi

①

**STATUS REPORT IN COMPLIANCE TO HON'BLE NGT(PB) ORDER DATED 11/7/2022 IN OA NO. 493/2022 IN THE MATTER OF NEWS ITEM PUBLISHED IN THE NEWSPAPER NAMED, THE TIMES OF INDIA DATED 05.07.2022 TITLED "DEAD FISH IN NAJAFGARH DRAIN, POLLUTION COULD BE TO BLAME")**

## **1.0 BACKGROUND**

Hon'ble NGT(PB) vide order dated 11/07/2022 2022 in OA No 493/2022 in the matter of News item published in the Newspaper named, The Times of India dated 05/07/2022 titled "Dead fish in Najafgarh drain, pollution could be to blame" has given following directions in para 2:

*"In view of above, we require a factual and action taken report from a joint Committee of CPCB, DPCC, DJB, Irrigation and Flood Control Department, Govt. of Delhi and District Magistrate, South West Delhi within one month by e-mail at judicial-NGT(PB)@gov.in preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF."*

A copy of Hon'ble NGT (PB) order dated 11.07.2022 is enclosed as **Annexure-II**.

## **2.0 COMPLIANCE TO THE DIRECTIONS OF THE HON'BLE NGT (PB):**

- I. In compliance to Hon'ble NGT (PB) order dated 11/7/2022, CPCB communicated to Delhi Pollution Control Committee (DPCC), Delhi vide letter dated 27/7/2022, to act as nodal agency and to coordinate with the member agencies of the aforesaid committee for the preparation of the report in compliance to the directions of the Hon'ble NGT (PB). A copy of CPCB letter is enclosed as **Annexure-III**.
- II. Subsequently, DPCC organized meeting of Joint Committee on 23/08/2022, wherein, it was decided to carry out inspection and sampling of the site by the Joint committee on 01/09/2022. A copy of minutes of the meeting is enclosed as **Annexure-IV**.
- III. Joint Committee has visited 10 locations including site wherein incidence of fish kill occurred and drains meeting to the Najafgarh Jheel on 01/09/2022 and collected samples from 09 locations for physico-chemical parameters. Details of sampling locations along with the observations of the Joint Committee are mentioned in **Table 1** and photographs taken during the site visit is enclosed as **Annexure V**.
- IV. Sample of drains were analysed in CPCB laboratory for 06 parameters, viz., pH, BOD, COD, TSS, NH<sub>3</sub>-N & PO<sub>4</sub>-P and sample of Najafgarh Jheel was analysed for 2 parameters pH & BOD. Analytical results are depicted in **Table 2 & Table 3** and locations in **Annexure-VII**.

**Table 1: Details of sampling locations and observations of Joint Committee during the visit on 01/09/2022**

S. No.	Name of sampling locations	Observations of the Joint Committee
1	Dhansa Regulator	Flow was not observed at the regulators, therefore samples could not be taken.
2	<b>S1:</b> Leg 1 Drain/ (Palam Vihar Drain)	Debris/wastes were accumulated and dumped at the outfall
3	<b>S2:</b> Leg-2 Drain/ (Dharampura Drain)	No observation
4	<b>S3 I:</b> Leg-3 Drain / (Dhanwapur STP Drain, Gurugram)	Debris/wastes were accumulated and dumped at the outfall
5	<b>S3 II:</b> Badshahpur Drain	
6	<b>S4:</b> Najafgarh Drain at Galibpur Bridge	Water hyacinths were prominently seen.
7	<b>S5:</b> Najafgarh Drain at Ghumanherra Bridge	<ul style="list-style-type: none"> <li>• Water hyacinths were prominently seen and removal was on going.</li> <li>• Aquatic life/fishes and fishing activities were also noticed.</li> </ul>
8	<b>S6:</b> Najafgarh Jheel	Water hyacinths were observed
9	<b>S7:</b> Najafgarh Drain at Jhatikara Bridge	Irrigation activities were observed.
10	<b>S8:</b> Najafgarh Drain at Chhawla Bridge	No observation

**Table 2: Analytical results of sampling locations (Najafgarh drain) monitored on 1/9/2022**

S. No.	Sampling Location	pH	COD (mg/L)	BOD (mg/L)	TSS (mg/L)	NH <sub>3</sub> -N (mg/L)	PO <sub>4</sub> -P (mg/L)
<b>General Standards for Discharge of Environmental Pollutants under Schedule -VI of the Environment (Protection) Rules 1986</b>		<b>5.5-9</b>	<b>250</b>	<b>30</b>	<b>100</b>	<b>50</b>	<b>5</b>
1	S1: Leg 1 Drain/ (Palam Vihar Drain)	7.1	165	<b>62</b>	<b>129</b>	27	0.34
2	S2: Leg-2 Drain/ (Dharampura Drain)	6.9	244	<b>85</b>	<b>214</b>	26	0.11
3	<b>S3 I:</b> Leg-3 Drain / (Dhanwapur STP Drain, Gurugram)	7	<b>343</b>	<b>97</b>	<b>256</b>	20	0.74
4	S3 II: Badshahpur Drain	7	<b>268</b>	<b>91</b>	<b>204</b>	16	0.56
5	S4: Najafgarh Drain at Galibpur Bridge	7.4	56	11	51	03	0.06
6	S5: Najafgarh Drain at Ghumanherra Bridge	7.4	58	11	64	03	0.06
7	S7: Najafgarh Drain at Jhatikara Bridge	7.3	131	<b>33</b>	97	11	0.30
8	S8: Najafgarh Drain at Chhawla Bridge	7.3	135	<b>42</b>	90	17	0.46

**Table 3: Analytical results of Najafgarh Jheel monitored on 1/9/2022:**

Parameters	Primary Water Quality for Outdoor Bathing notified under the E(P) Rules, 1986	Analysis Laboratory Result
pH	6.5-8.5	<b>8.5</b>
BOD	3 mg/L	<b>21</b>

Second meeting of the joint committee was held on 15.09.2022. CPCB presented the analysis report. Irrigation and flood control department presented the report of the drains in the catchment area. Attendees are enclosed as **Annexure-VI**.

### 3.0 FINDINGS:

#### About Najafgarh Drain and Jheel

The Najafgarh Drain is old course of Sahibi River Basin which starts from Jaipur district of Rajasthan, draining areas of Haryana as Drain No.8 and enters Delhi at Dhansa and cuts across the heart of Delhi flow over 57 KM of length before it outfalls into the river Yamuna at Wazirabad, Delhi. The drain in its 1<sup>st</sup> phase in Delhi, flows through un-urbanized area in a length of 18 KM from Dhansa to Chhawala and thereafter runs through urbanized area in length of 39 km before it outfall in River Yamuna. It's catchment area not only for 2/3 of discharge of Delhi but beyond the state boundary i.e. from Haryana and Rajasthan. Najafgarh Drain is basically a storm water drain but due to rapid urbanization in catchment area particularly in Delhi & Gurugram, it not only carries storm water but also carries untreated sewage water containing both Biological & Chemical pollutants.

Total 126 sub-drains, carrying discharges from different localities of Gurugram and Delhi, falls into Najafgarh drain from Dhansa to its outfall into river Yamuna. Outfalling drains carries huge quantity of silt, sewerage, industrial effluent, MSW, cow dung, malba etc along with discharge into Najafgarh drain (**Line Diagram of Najafgarh Jheel and Najafgarh Jheel Map in Annexure-I**).

Based on the joint inspection of the committee dated: 01.09.2022, observations are given below:

- I. Out of 08 monitoring locations of Najafgarh drain, none was complying with the General Standards for Discharge of Environmental Pollutants under Schedule -VI of the Environment (Protection) Rules 1986 w.r.t parameter BOD, except two location which are S4: Najafgarh Drain at Galibpur Bridge and S5: Najafgarh Drain at Ghumanherra Bridge.
- II. High concentrations of organic and chemical pollution was found discharging from three drains (Leg-1, Leg-2, Leg-3) from Haryana discharging heavy pollution load w.r.t TSS which eventually contributes to Najafgarh Jheel.
- III. Leg-3 drain S3 I (i.e. Dhanwapur STP drain, Gurugram) sample was found most polluted among all drains samples followed by Leg-3 drain S3 II (Badshahpur Drain) having high content of COD, BOD and TSS.
- IV. BOD of Najafgarh Jheel were not complying with Primary Water Quality for Outdoor Bathing notified under the E(P) Rules, 1986.

- V. Silting in Najafgarh Jheel due to addition of wastewater from Haryana in the form of treated/untreated industrial and domestic wastes.
- VI. Agricultural, Pisciculture and dairy farms activities in the catchment area of Najafgarh drain were observed.
- VII. There is a possibility of surface run off from the cultivated lands during the rainfall before the instance of fish mortality.

Earlier after the news published on 02.07.2022 regarding massive fish kill in Najafgarh Jheel/Drain, DPCC has carried out sampling and testing immediately on 03/07/2022 and 04/07/2022, the test results received showing alarming pollution level prevailing at the time. The test results at various locations are enclosed in **Annexure-VII**.

Based on the joint inspection of the committee constituted by Wetland Authority of Delhi dated: 03.07.2022, following observations are given:

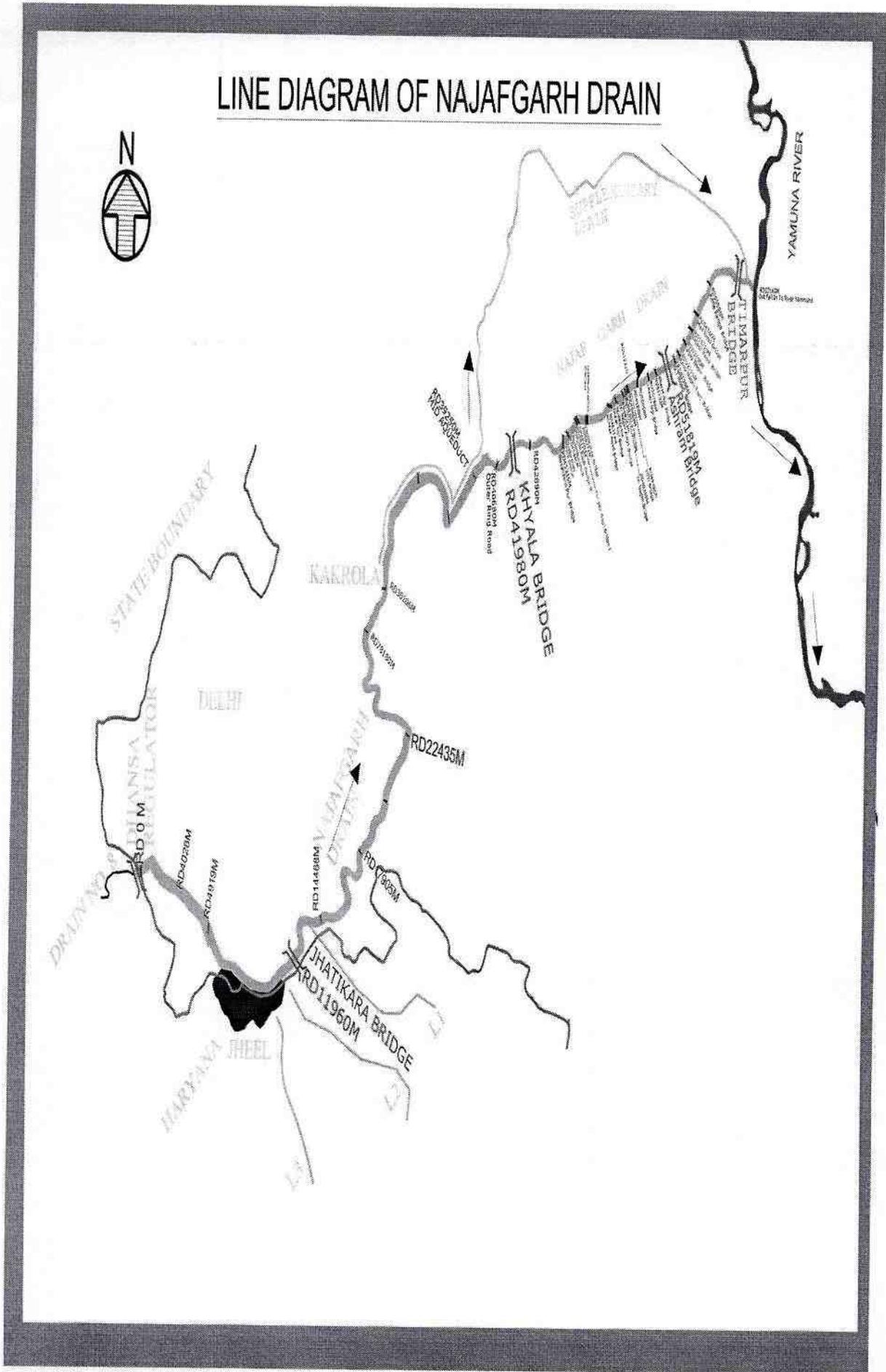
- I. Sampling was done at 18 locations of drains which includes 7 small drains discharging between Dhansa regulator to Ghumhera bridge (U/s of Najafgarh Jheel) in the region of Delhi and four major drains Leg-1, Leg-2, Leg-3 and Drain No.8 of Haryana. Analysis result enclosed in **Annexure-VIII**.
- II. Fish mortality was observed in the Najafgarh drain between Dhansa Regulator and Ghummanhera bridge. The mortality was observed in Tilapia fishes which are mainly fresh water species according to the Fisheries Department representatives.
- III. Drain L-3(part-1 and part-2), No.8 (from Haryana) and Galibpur village(RD 2100) location had high amount of Total Suspended Solids out of all 18 sampling locations.
- IV. 16 out of 18 sampling locations were not complying with the General Standards for Discharge of Environmental Pollutants under Schedule -VI of the Environment (Protection) Rules 1986 w.r.t parameter BOD. Only sampling locations Dhansa Regulator -1 and Dhansa Regulator-2 were complying.
- V. 9 out of 18 sampling locations were not complying with the General Standards for Discharge of Environmental Pollutants under Schedule -VI of the Environment (Protection) Rules 1986 w.r.t parameter COD.
- VI. Leg-3 drain (part 1 and part 2) both were found to be most polluted among all samples in respect with COD, BOD & TSS which shows high amount of pollution in the drain.
- VII. COD and BOD levels of Najafgarh Jheel were also found not complying with Primary Water Quality for Outdoor Bathing notified under the E(P) Rules, 1986 which may be due to the pollutant discharge from Leg-3 and Leg-2 (Haryana Drains). Analysis result enclosed in **Annexure-IX**.

#### 4.0 CONCLUSIONS:

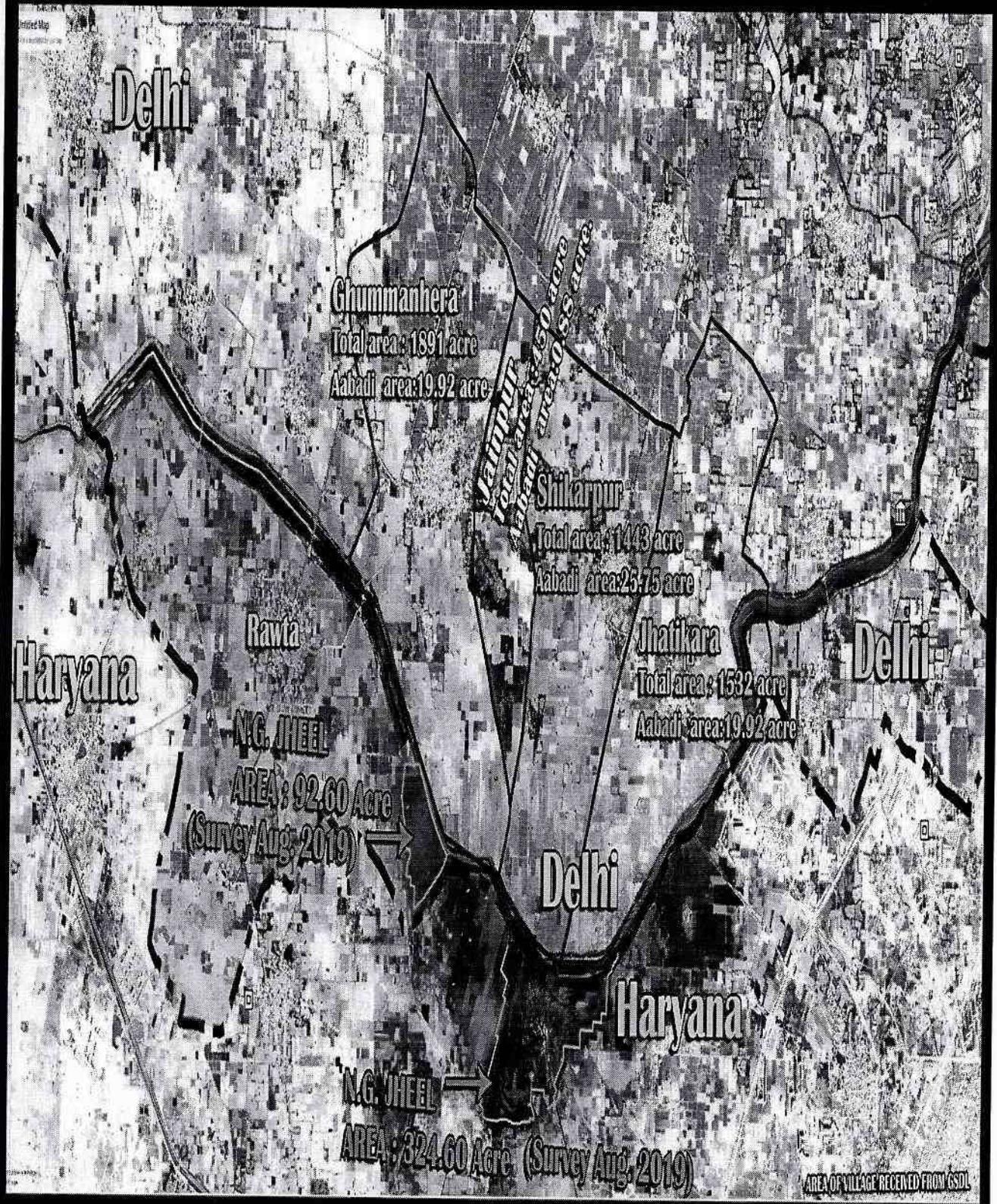
- I. Fish mortality occurred in between Dhansa Regulator and Ghummanhera bridge location on the Najafgarh drain.
- II. Heavy rain occurred on the day before the instance of fish mortality may have caused sediment churning which choked the gills of fishes. During/After heavy rainfall the Dissolved Oxygen also gets depleted which leads to low levels of D.O. causing ecological hypoxia which led to suffocation of the fresh water fishes which may have resulted in mortality of fishes (As per Delhi Pollution Committee analysis of samples taken on 2<sup>nd</sup> July 2022).
- III. The rainfall occurred one day before the instance, STP's of Haryana along the upstream catchment area might have discharged the untreated waste water from the drains contributes to the Jheel which resulted in addition of high pollution levels in the Najafgarh Jheel.
- IV. Agricultural activities also are being done nearby Jheel & agriculture runoff may finds its way into Najafgarh Jheel.
- V. **Washout of Sludge/ Other Industrial Solid Wastes from Haryana and Delhi:** Washout of deposited sewage sludge and other toxic chemicals in the bottom of the drain during heavy rainfall also affected the water quality of Najafgarh Jheel.
- VI. As per IF&C Deptt. Of Delhi, Backflow occurred in the Najafgarh Drain from Jheel to Dhansa regulator which the Upstream region of the Jheel. High amount of flow was observed from the three drains (Leg 1, Leg 2, and Leg 3) carrying heavy discharge. Back Pressure Phenomenon in the Najafgarh Drain: The gradient of Najafgarh drain is very low (reported to be 1 m in 28 km). During heavy rainfall, back-pressure phenomenon is observed in Najafgarh drain (that is water moves towards Dhansa Regulator. Therefore, the wastes from L1, L2 and L3 drains carrying pollution moved upstream.
- VII. As seen in the above analysis reports, high values of TSS in Leg 1, Leg 2, and Leg 3 could have choked the gills of fishes as after rain, high turbulence and huge amount of sediments occurs because of Run-off water.

## 5.0 RECOMMENDATIONS:

- I. An independent monitoring mechanism need to be established for real time monitoring of pollution level in Najafgarh Drain and its subsidiaries at inter-state borders of Delhi and Haryana.
- II. To ensure 100 % treatment of generated sewage, industrial effluent and wastes, by providing adequate infrastructure on ground in a time bound manner in the state.
- III. Source apportionment including gap analysis study by the Haryana State Departments (Gurugram Metropolitan Development Authority and Haryana State Pollution Control Board) to identify the Pollutant Load in three Drains and resolve them respectively.
- IV. Haryana State Departments (Gurugram Metropolitan Development Authority and Haryana State Pollution Control Board) to enhance monitoring frequency of Drains, Industries, STPs, CETPs and strict enforcement of discharge norms in the State (Gurugram and Manesar region).
- V. Haryana State Pollution Control Board (HSPCB) and Gurugram Metropolitan Development Authority should carryout random inspections and to ensure compliance to environmental rules of water polluting industries, Sewage Treatment Plants (STPs), Common Effluent Treatment Plants (CETPs) falling in the catchment of Drain and Jheel.
- VI. Irrigation & Flood Control Department,GNCTD to ensure cleaning/desilting of Canals prior to the monsoon season apart from periodic Dredging & De-weeding.
- VII. Irrigation & Flood Control Department, GNCTD to desilt drain to provide a required gradient to prevent backflow in drain in future.
- VIII. Gurugram Metropolitan Development Authority to ensure protection at Najafgarh Jheel by building up Bunds and should install silt traps where required.
- IX. If any illegal Dumping of Waste water, Septic tank waste noticed then action should be taken by concerned authorities.
- X. Promote Organic Farming in the areas, which will prevent run off into the Drain and Jheel.
- XI. Unprotected banks of Najafgarh drain and Jheel should be lined or suitable measure should be taken for bank protection.
- XII. Implementation and Execution of Environmental Management Plan (EMP) of Najafgarh Jheel (Already in pursuance of Hon'ble NGT(PB) order in EA No. 16/2019).



# PROTECTION OF NAJAFGARH JHEEL



16

Item No. 02

(Court No. 1)

**BEFORE THE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI**

(By Video Conferencing)

Original Application No. 493/2022

In re: News item published in the Newspaper named, The Times of India dated 05.07.2022 titled "Dead fish in Najafgarh drain, pollution could be to blame"

Date of hearing: 11.07.2022

**CORAM:** HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON  
HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER  
HON'BLE PROF. A. SENTHIL VEL, EXPERT MEMBER

**ORDER**

1. Proceedings have been initiated *suo-moto* on the basis of captioned media report to the effect that large number of fish were found dead upstream Najafgarh drain due to excessive pollutants. Water samples were collected from the drain showing BOD level to be 76 mg/l against laid down standard of 30 mg/l. COD was 320 mg/l against laid down standard to 250 mg/l. Media report mentions that 100-150 fish were dead in the pond, 500 meters away from Najafgarh drain, as per information of the residents. Photographs shows large number of dead fish in the water of Najafgarh drain.
2. In view of above, we require a factual and action taken report from a joint Committee of CPCB, DPCC, DJB, Irrigation and Flood Control Department, Govt. of Delhi and District Magistrate, South West Delhi within one month by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF.

1

11

List for further consideration on 12.09.2022.

A copy of this order be forwarded to CPCB, DPCC, DJB, Irrigation and Flood Control Department, Govt. of Delhi and District Magistrate, South West Delhi by email for compliance.

Adarsh Kumar Goel, CP

Sudhir Agarwal, JM

Prof. A. Senthil Vel, EM

July 07, 2022  
Original Application No. 493/2022  
AB



12

Annexure III

केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

File No. CM-13011/112/2022-LAW-HO-CPCB-HO

Speed Post/E-mail

F. No. OA-493/2022/WQM-I

To

27/7/2022

The Member Secretary,  
Delhi Pollution Control Committee  
4th and 5th Floor, ISBT Building,  
Kashmere Gate, Delhi-06  
msdpcc@nic.in

Sub: Constitution of a Joint Committee comprising of CPCB, DPCC, DJA, Irrigation & Flood Control Department, Govt of Delhi and District Magistrate, South West in compliance to Hon'ble NGT directions vide order dated 11.07.2022.

Sir,

This has reference to Hon'ble NGT order dated 11.07.2022 passed in OA No. 493/ 2022 in the matter of news item published in the Times of India dated 05.07.2022 titled "Dead fish in Najafgarh drain pollution could be to blame".

The Tribunal has directed in para 2 that "a factual and action taken report from a joint committee of CPCB, DPCC, DJB, Irrigation and Flood Control Department, Govt of Delhi and District Magistrate, South West Delhi within one month by e-mail".

In this connection, it is requested that DPCC may act as nodal agency and coordinate with the member agencies of the aforesaid committee for the preparation of the report in compliance to the directions of the Hon'ble NGT. Also, CPCB shall be associated with the committee and it is to inform that Smt Suniti Parashar, Scientist C, WQM-I Division, CPCB has been nominated to attend the meetings of the above-said committee to represent CPCB as a member.

Contact details of the afore-said official are [suniti.cpcb@gov.in](mailto:suniti.cpcb@gov.in) for mail and contact phone number is 011-43102416.

Yours faithfully,

(A. Sudhakar)

Director & DH, WQM-I Division

10

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032  
Parivesh Bhawan, East Arjun Nagar, Delhi-110032  
दूरभाष/Tel : 43102030, 22305792. वेबसाइट/Website : [www.cpcb.nic.in](http://www.cpcb.nic.in)

(13)

Minutes of the 1<sup>st</sup> meeting of the Joint Monitoring Committee held on 23.08.2022 based on the directions of Hon'ble NGT in the matter OA No. 493 of 2022 on issue of Dead Fish in Najafgarh Drain.

1. The 1<sup>st</sup> meeting of the Monitoring Committee in NGT matter OA No. 493 of 2022 regarding Dead Fish in Najafgarh Drain was held in Water Laboratory, 4<sup>th</sup> Floor, ISBT Building, Delhi Pollution Control Committee, Kashmere Gate, Delhi on 23.08.2022, 11:00 a.m. The meeting was attended by following members:

1. Smt. Suniti Prashar, Scientist-C, CPCB
2. Ms. Pooja Tripathi, Research Associate, CPCB
3. Sh. Jitendra Kumar, S.E., I&FC
4. Sh. Pradeep Naik, EE, I&FC
5. Dr. Nandita Moitra, Sr. Scientist

Representatives from DJB and District Magistrate, South-West, Delhi could not attend the meeting.

2. Dr. Nandita Moitra, Sr. Scientist, DPCC welcomed all the participants and briefed about the purpose of the meeting. It was highlighted that Hon'ble NGT vide its order dated 11.07.2022 in the said matter directed the Monitoring Committee, set-up in NGT matter OA No 493 of 2022 regarding, to provide a factual and action taken report from the joint committee of CPCB, DPCC, DJB, Irrigation and Flood control Department, Govt. of Delhi and District Magistrate, South West Delhi .
3. Hon'ble NGT order and issue of dead fish in Najafgarh Drain were discussed in details. It was decided by the committee that an inspection shall be carried out on 29.08.2022 by Joint Committee. Samples will be collected by CPCB. Based on sampling and testing, inspection report shall be prepared and submitted to Hon'ble NGT.

Copy to all members: Requested to join inspection on 29.08.2022, 11:00 a.m. at Chhawla Point. Details of Location will be sent.

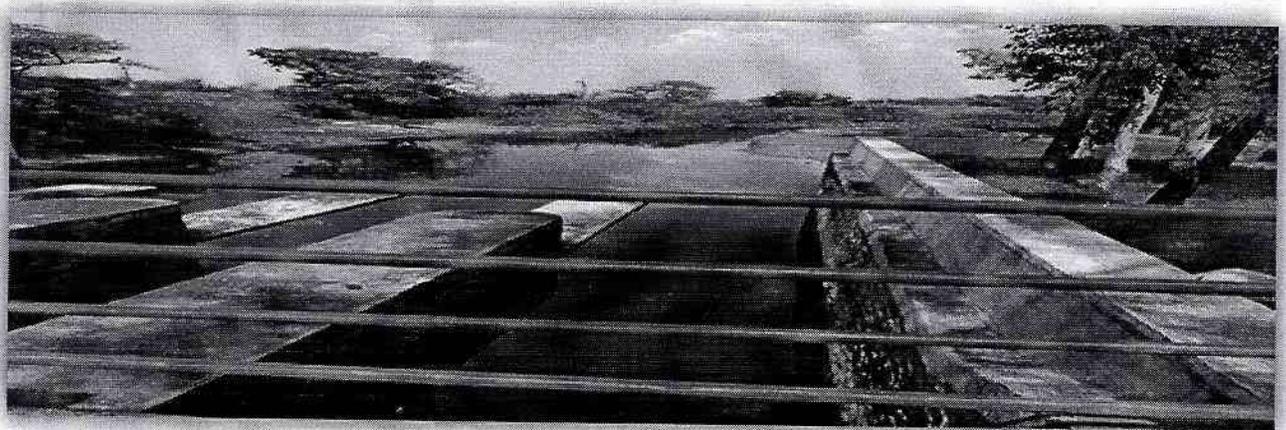
\*\*\*\*\*

*N. Moitra  
23/8*

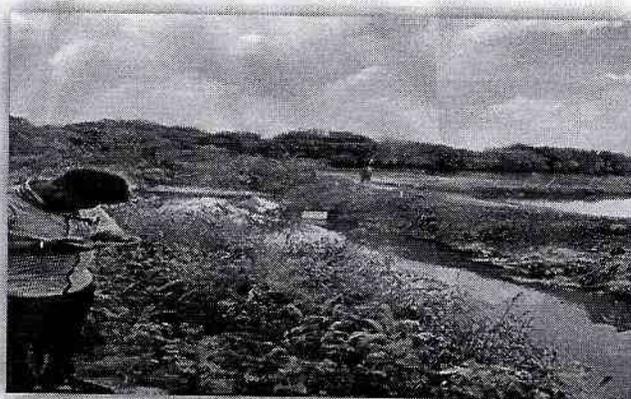
Attendance 23.08.2022

S. No.	Name of the Officer	Department	Mobile No	Signature
1.	SUNITZ PARAGHAR Sc 2	CPCB	9868819711	
2.	JITENDRA KUMAR SC	I & FC	9958872957	
3.	Pradeep. Waik EE	I & FC	9958890101	
4.	Dr Nandita Mitra	OPCC		
5.				
6.				

**PHOTOGRAPHS TAKEN DURING THE SITE VISIT OF JOINT COMMITTEE ON 01/9/2022**



**Location : Dhansa Regulator**



**Sampling Location 1: Leg-1 Drain (Palam Vihar Drain)**



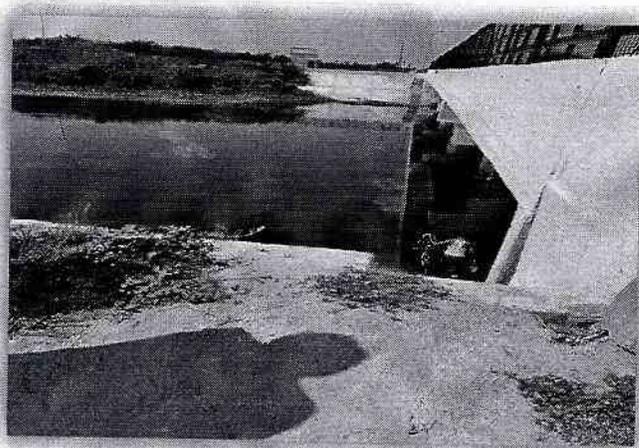
**Sampling Location 2: Leg-2 Drain (Dharampura Drain)**



**Sampling Location 3 (I): Leg-3 Drain/Dhanwapur STP drain Gurugram**



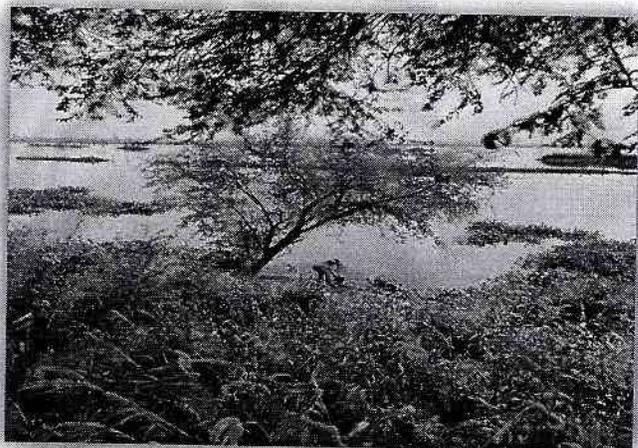
**Sampling Location 3(II): Badshahpur Drain**



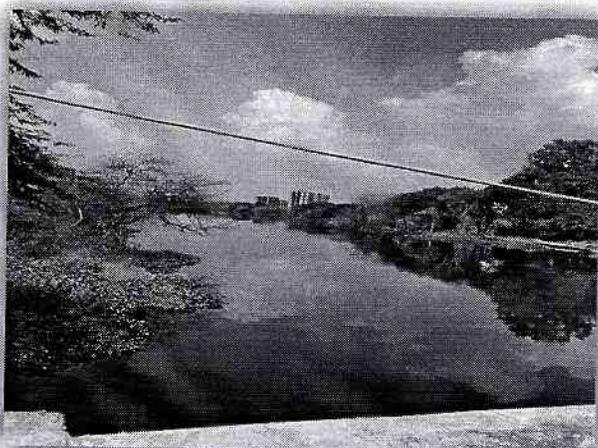
**Sampling Location 4: Najafgarh Drain  
(at Galibpur Bridge)**



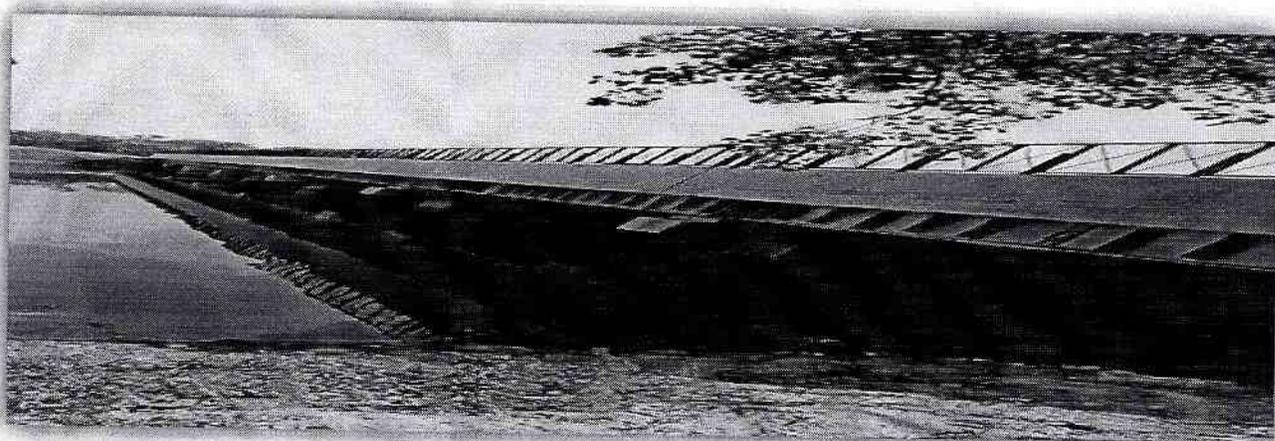
**Sampling Location 5: Najafgarh Drain  
(at Ghumanherra Bridge)**



**Sampling Location 6: Najafgarh Jheel**



**Sampling Location 7: Najafgarh Drain  
(at Jhatikara Bridge)**



**Sampling Location 8: Najafgarh Drain (at Chhawla Bridge)**

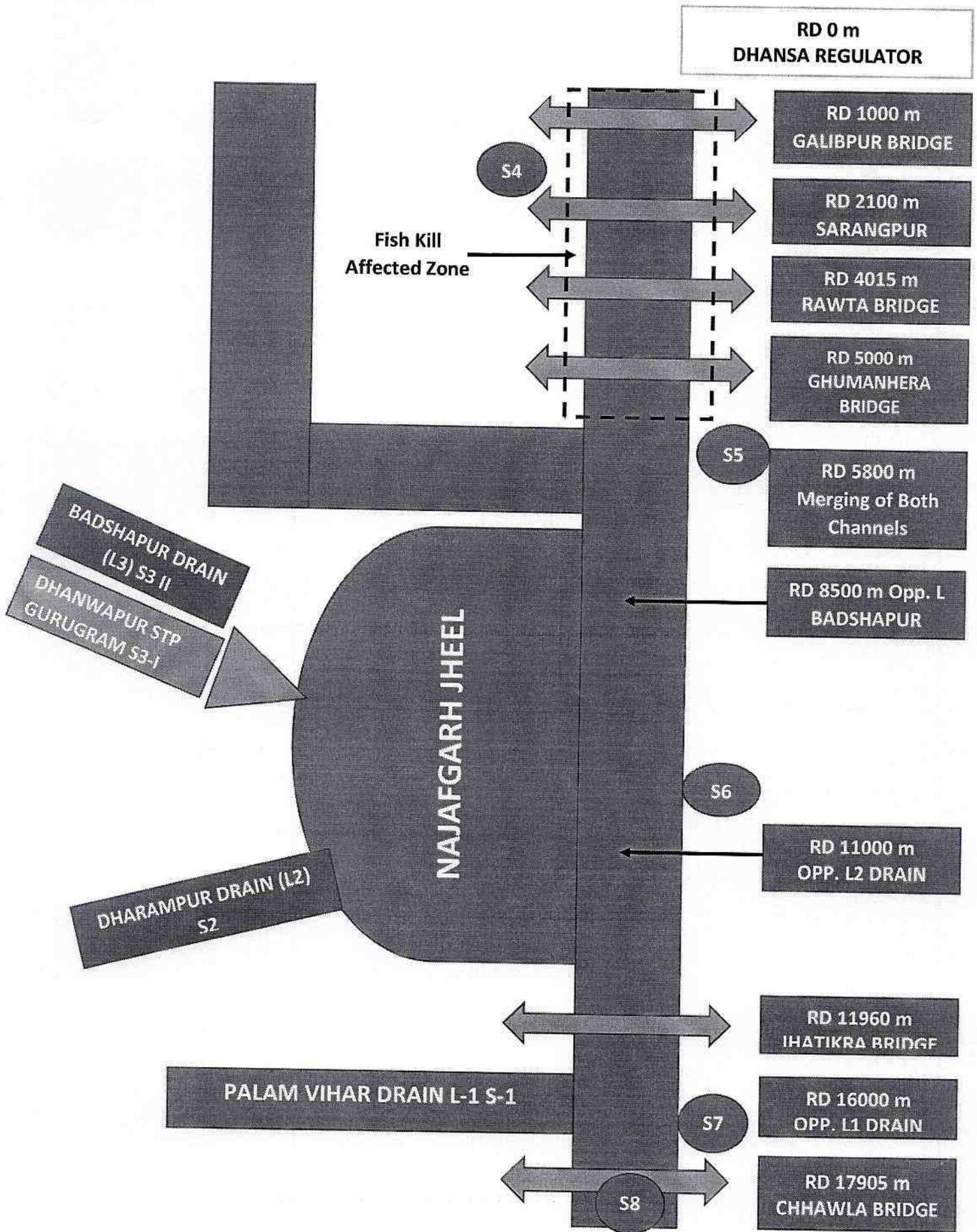
Date- 15.09.2022

ATTENDANCE SHEET

Serial Number	Name	Designation & Department	Contact Number
1	SUNJITI PARASHAR	So 'c, CPCB	9868818711 <i>Sunt</i>
2			
3	Pradeep. M. Naik	EE, I&FC	9952890101 <i>Pradeep</i>
4	FAISAL IbrahIM	SE. GMDA	9467596075 <i>Faisal</i>
5	VIKRAM SINGH	EE, GMDA	8800389803 <i>Vikram</i>
6	Vishalshu	AEE HSPCB	7988860892 <i>Vishal</i>
7	VIKASH KUMAR MEENA	JEE, DPCC	8440030530 <i>Vikash</i>
8	Indira Mehta	S.S. DPCC	<i>Indira</i>
9	Abhishek Kumar	TE, DPCC	<i>Abhishek</i>
10			
11			
12			
13			
14			

18

Annexure VII



19



DELHI POLLUTION CONTROL COMMITTEE  
4<sup>th</sup> FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06  
visit us at : <http://dpcc.delhigovt.nic.in>

Waste Water Quality Status of Najafgarh Drain

Result No.: DPCC/W/ND/2022/4896

Date of sampling: 03.07.2022 & 04.07.2022

Dated: - 11/7/2022

S. No	Location	pH	TSS	COD	BOD	Ammonical Nitrogen	DO	Phosphate
General Standard (Schedule VI)		5.5-9.0	100 (mg/l)	250 (mg/l)	30 (mg/l)	1.2 mg/l or less	4 mg/l or more	5 (mg/l)
1	Drain No. 8 Nr. Mundakhera Pump House	6.8	108	200	64	0.65	1.9	4.05
2	Dhansa Border Regulator 1	7.4	16	68	18	16.64	1.8	10.90
3	Dhansa Border Regulator 2	7.2	14	92	24	2.42	1.7	10.94
4	Dhansa Border Regulator 3	7.3	18	144	38	0.95	1.2	2.86
5	Najafgarh Drain at Gallopur Bridge	8.1	64	320	90	1.71	NIL	41.06
6	Najafgarh Drain at Rawta Bridge	8.2	48	264	80	0.24	NIL	48.01
7	Najafgarh Drain (At Jhalikira Bridge after confluence of L-2 Drain)	7.0	72	152	46	39.11	NIL	141.08
8	L-3 (Part- 2 of BasaiGurgaon side)	7.3	268	528	156	23.38	NIL	6.13
9	L-3 (Part- 1 of IMT Manesar side)	7.2	332	556	162	14.52	NIL	208.72
10	L-2 Drain	7.6	52	288	76	28.66	NIL	4.19
11	L-1 Drain	7.3	88	204	60	46.76	NIL	158.94
12	Gallopur Village (RD 2100 m) R/S	7.0	104	320	63	30.4	NIL	39.4
13	Sarangpur Village (RD 2100 m) L/S	6.8	80	304	67	10.3	NIL	58.2
14	Jhuljhuli Village Drain (RD 4015) L/S	6.8	60	288	66	10.0	NIL	91.6
15	Rawta Village (RD 4027 m) R/S	7.7	26	176	44	24.0	NIL	133.0
16	Dhansa Village (RD 50 m) L/S	7.6	28	245	70	18.0	NIL	105.2
17	Rawta -2 Village (RD 4400 m) R/S	7.9	74	160	38	20.0	NIL	14.6
18	Ghummanhera Village (RD 4400 m)	7.4	80	170	40	14.0	NIL	77.3

*Mishra*  
(I/C Water Lab)



DELHI POLLUTION CONTROL COMMITTEE  
4<sup>th</sup> FLOOR, ISBI BUILDING, KASHMERE GATE, DELHI-06  
visit us at : <http://dpcc.delhigovt.nic.in>

### Water Quality Status of Najafgarh Jheel and Pond

Result No.:- DPCC/W/NJH/2022/4995

Date of sampling: 03.07.2022 & 06.07.2022

Dated: - 11/7/2022

S. No.	Name of Site	Location of site	Latitude & Longitude	pH	TSS	BOD	COD	DO	Free Ammonia (as N) (mg/l)	Phosphate
1	Najafgarh Jheel U/s	RD 8300 meter	28.5073047 76.99933399	7.4	72	112	392	Nil	31.29	125.1
2	Najafgarh Jheel Mid	RD 9000 meter	28.5050181 76.9480434	7.3	112	140	488	4.4	35.60	115.0
3	Najafgarh Jheel D/s	RD 10500 meter	28.5092831 76.9687762	7.6	68	72	248	Nil	35.77	5.0
4	Jhuljhul Pond	-	-	7.3	64	64	272	Nil	18	15.3

(I/C Water Lab)

Signature