



File No. A-14011/1/2015-MON

Date: 26.11.2020

To,

13572
The Chief Executive Officer
Delhi Jal Board
Govt. Of N.C.T. of Delhi
✓ Varunlaya Ph-II, Karol Bagh.

DIRECTIONS UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 FOR ENSURING 100 % COLLECTION AND TREATMENT OF DOMESTIC WASTEWATER GENERATED IN THE REGION OF NCT OF DELHI

WHEREAS, Ministry of Environment & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any Industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

Whereas, sewage is a major cause for poor water quality in rivers and adversely impacts human health and aquatic life. Discharge of untreated, partially treated and treated sewage not meeting standards is further adding to the problem of water pollution and very sizeable gap exists in generation and treatment of sewage at Delhi; and

Whereas, Central Government has notified General Discharge Standards for Environmental Pollutants from various sources including municipal wastewater under the Environment (Protection) Act, 1986 and the Rules framed thereunder (Schedule VI); and

Whereas, CPCB had issued directions to Delhi Pollution Control Committee vide letter no. No. A-19014/43/06-MON dated 21/04/2015 under Section 18 (1) b of Water (Prevention and Control of Pollution) Act, 1974 to direct Delhi Jal Board to develop infrastructure for sewage management and operate STPs within stipulated norms; and

[Continued...]

Whereas, CPCB had issued directions to Delhi Jal Board vide letter No A-14011/1/2015-MON dated 09/10/2015 under Section 5 of the Environment (Protection) Act, 1986 regarding Treatment and Utilization of Sewage for Restoration of water quality of River. Compliance report / Action taken report from DJB is still awaited; and

Whereas, CPCB earlier issued show cause notice to Delhi Jal Board vide letter No A-14011/1/2015-MON dated 19/02/2019 under section 5 of EPA, 1986 for Non-compliance of identified STPs with respect to General Discharge Standards and Non-registration of CEMS installed at STPs with CPCB ; and

Whereas, DJB vide letters dated 13/03/2019 and 20/03/2019 submitted that registration of all STPs have been completed. It was also mentioned that non-complying STPs require rehabilitation and same shall be completed by April, 2020; and

Whereas, Hon'ble NGT in the matter of OA no. 06 of 2012 titled as Manoj Mishra Vs Union of India vide Order dated 11.09.2019 directed DJB as follows:

1. *DJB to complete task of setting up of STPs by 31.12.2020.*
2. *DJB is directed to adhere to the timelines with regard to Interceptor Sewer Project (ISP) and treat all the 242 MGD sewage by 31.12.2019*
3. *The operational deficiencies of the existing STPs must be rectified within three months from the issue of directions*
4. *The DJB and NDMC to identify and plug the sources of sewage within two months positively and report compliance to Monitoring Committee*

Whereas, Hon'ble NGT in its Order dated 28.08.2019 in the matter of OA No. 593/2017 titled Paryavaran Suraksha Samiti & Anr. v/s Union of India & Ors directed that *All the Local Bodies and/or concerned departments of the State Government have to ensure 100% treatment of the generated sewage and in default to pay compensation, which is to be recovered by the States/UTs, with effect from 01.04.2020. In default of such collection, the States/UTs are liable to pay such compensation. The CPCB is to collect the same and utilize for restoration of the environment;* and

[Continued...]

Whereas, inspite of all above directions, Orders and Commitment by DJB, incidences of foaming in Yamuna river were observed in the month of November, 2020. These foams are usually observed at downstream of ITO and Okhla barrage; and

Whereas, CPCB has been carrying out water quality monitoring of 22 drains discharging into river Yamuna at Delhi on monthly basis. Recent inspection of drains is carried out on 09/11/2020 for verification of the status of tapping of drains. Status report is attached as Annexure-I. Brief observations are as follows:

1. 14 Drains namely Sonia Vihar, Najafgarh Drain, Kailash Nagar Drain, Shastri Park drain, Sen Nursing Home drain, Tughlaqabad drain, Abul Fazal Drain, Civil Military Drain, Barapullah, Maharani Bagh, Jaitpur Drain, ISBT drain, Molaband Drain and Shahdara drain are found untapped and do not have any infrastructure for diversion.
2. 07 drains namely Magazine road drain, Sweeper Colony drain, Khyber Pass, Metcalf House, Tonga Stand Drain, Delhi Gate drain, Sarita Vihar drain has infrastructure for diversion and tapping of wastewater.
3. Out of 07 drains, 05 drains (Magazine road drain, Sweeper Colony drain, Khyber Pass, Metcalf House, Tonga Stand Drain) are 100% tapped and no flow at downstream of interception is observed.
4. Overflow at 02 drains (Delhi Gate drain, Sarita Vihar drain) into river Yamuna are observed.
5. No Flow is observed at Drain no. 14.

Whereas, Water Quality Data of river Yamuna monitored by CPCB for the month of October, 2020 depicts that Water Quality is not meeting the Primary Water Quality Criteria for bathing standards in entire Delhi stretch except at Palla village. Dissolved Oxygen is observed as 0.3 mg/litre at Nizamuddin and Okhla Barrages whereas BOD is observed as 19 mg/litre at Nizamuddin and 12 mg/litre at Okhla Barrage; and

Whereas, it is evident that water quality of river Yamuna is not meeting the Primary Water Quality Criteria for bathing standards in entire Delhi stretch except at Palla village due to continuous discharge of partially / untreated wastewater from aforesaid 22 drains and resulting in foaming at downstream of ITO and Okhla Barrage.

[Continued....]

Now, therefore, in view of the above observations and in exercise of powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, following directions are hereby issued to CEO of Delhi Jal Board:

1. DJB shall ensure 100 % collection of domestic wastewater generated in NCT, Delhi region and also provide treatment as per consented norms of Delhi Pollution Control Committee.
2. DJB shall ensure that no untreated domestic wastewater is discharged into any of the 22 storm water drains or any other water drain.
3. DJB shall adhere to the to timelines stipulated in the Order dated 11.09.2019 issued by Hon'ble NGT in the matter of OA no. 06 of 2012 titled as Manoj Mishra Vs Union of India.

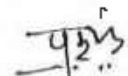
CEO of DJB is also hereby directed to submit time bound action plan for corrective actions in the matter including augmentation and upgradation of these STPs so as to ensure compliance with the notified/prescribed standards.

Reply to these directions be submitted by DJB to this office within 15 days from the date of receipt of this notice failing which appropriate action as per the provisions of the Environment (Protection) Act, 1986 including prosecution will be initiated.


(Shiv Das Mecna)
Chairman

Copy to:

1. The Secretary,
Ministry of Environment, Forests, & Climate Change
Indira Paryavaran Bhawan, Aliganj, Jorbagh Road,
New Delhi-110003
2. The Secretary
Ministry of Jal Shakti
626, Shram Shakti Bhawan, Rafi Marg,
New Delhi 110001
3. The Secretary
Ministry of Housing and Urban Affairs
Mulana Azad Road, Rajpath Area
Central Secretariat, New Delhi- 110001
4. The Chairman,
Delhi Pollution Control Committee
4th-5th Floor, ISBT Building
Kashmere Gate, Delhi-110006
5. Yamuna Monitoring Committee
Office of YPMC, Room No.58
India International Centre, Max Muller Marg
Lodhi Estate, New Delhi-110003
6. The Mission Director,
National Mission for Clean Ganga,
(Ministry of Jal Shakti),
Rear Wing, 3rd Floor, MDDS Building
9, CGO Complex, Lodi Road, New Delhi-110003
- ✓ 7. DII-IT Division, CPCB Delhi
8. DH-WQM-I Division, CPCB Delhi
9. DH-WQM-II Division, CPCB Delhi


[Prashant Gargava]
Member Secretary



STATUS REPORT ON DRAINS OF DELHI

The Yamuna Monitoring Committee vide letter dated 28.10.2020 directed CPCB to provide status of trapping, pollution load and flow, if any in the drains namely Delhi Gate drain, Sen Nursing Home Drain, Tughlaqabad drain, Abul Fazal Drain, Sonia Vihar Drain, Shastri Park Drain, Civil Military Drain and Tonga Stand Drain.

Water Quality Monitoring of drains of Delhi has been carried out by CPCB on monthly basis. Water quality data for the month of September and October, 2020 is placed as Table 1.

CPCB has carried out inspection of 22 drains mentioned in Table 1 on 09.11.2020 for verification of the status of trapping. Photographs of drains depicting current status are attached as *Annexure-I*. Based on the inspection, following observations are made:

1. 14 Drains namely Sonia Vihar, Najafgarh Drain, Kailash Nagar Drain, Shastri Park drain, Sen Nursing Home drain, Tughlaqabad drain, Abul Fazal Drain, Civil Military Drain, Barapullah, Maharani Bagh, Jaitpur Drain, ISBT drain, Molaband Drain and Shahdara drain are found untapped and do not have any infrastructure for diversion.
2. 07 drains namely Magazine road drain, Sweeper Colony drain, Khyber Pass, Metcalf House, Tonga Stand Drain, Delhi Gate drain, Sarita Vihar drain has infrastructure for diversion and trapping of wastewater.
3. Out of 07 drains, 05 drains (Magazine road drain, Sweeper Colony drain, Khyber Pass, Metcalf House, Tonga Stand Drain) are 100% tapped and no flow at downstream of interception are observed.
4. Overflow at 02 drains (Delhi Gate drain, Sarita Vihar drain) are observed.
5. No Flow is observed at Drain no. 14.

Table 1: Water Quality Monitoring data of drains for the month of September and October, 2020

Drains	September, 2020				October, 2020				Status (Trapped/ Untapped / Overflow) as on 09/11/2020
	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	
NAJAFGARH DRAIN (DELHI)	104	23	155	27.54	203	51	144	24.37	Untapped
SONIA VIHAR DRAIN	-	-	-	-	171.00	66	1077.00	-	Untapped
MAGZINE ROAD DRAIN (DELHI)	251	114	128	0.02	NF	NF	NF	NF	Trapped
SWEEPER COLONY DRAIN (DELHI)	37	15	25	0.03	65	21	79	0.05	Trapped

Drains	September, 2020				October, 2020				Status (Trapped/ Untapped/ Overflow) as on 09/11/2020
	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	
KHYBER PASS DRAIN (DELHI)	31	5	106	0.03	NF	NF	NF	NF	Trapped
METCALF HOUSE DRAIN (DELHI)	107	27	59	0.03	NF	NF	NF	NF	Trapped
ISBT + MORI GATE DRAIN (DELHI)	85	23	49	0.40	92	26	81	0.49	Untapped
TONGA STAND DRAIN (DELHI)	20	2.7	21	0.02	27	11	21	0.02	Trapped
SHASTRI PARK DRAIN	189	54	58	0.07	266	92	63	0.06	Untapped
KAILASHI NAGAR DRAIN (DELHI)	399	176	239	0.15	NF	NF	NF	NF	Untapped
CIVIL MILL DRAIN (DELHI)	48	19	42	0.06	98	37	85	0.05	Untapped
POWER HOUSE DRAIN (DELHI)	141	64	66	0.58	350	139	189	0.65	Overflow
SEN NURSING HOME DRAIN (DELHI)	95	41	87	0.3	256	90	83	0.34	Untapped
DRAIN NO.14 (DELHI)	26	5	56	0.11	NF	NF	NF	NF	No Flow
BARAPULLA DRAIN (DELHI)	120	48	50	1.6	127	56	58	1.66	Untapped
MAHARANI BAGH DRAIN (DELHI)	167	71	101	0.43	229	65	136	0.39	Untapped
ABU FAZAL DRAIN (DELHI)	202	72	56	0.22	213	80	190	0.26	Untapped
JAITPUR DRAIN (DELHI)	271	111	123	0.21	303	140	176	0.19	Untapped
TUGLAKABAD DRAIN (DELHI)	232	88	101	0.34	220	85	87	0.31	Untapped
SHAHDARA DRAIN (DELHI)	203	80	123	6.30	244	61	201	5.94	Untapped
OLD AGRA CANAL AT OKHLA (DELHI)	NF	NF	NF	NF	73	20	36	0.22	-
OLD AGRA CANAL NEAR KALINDI KUNJ (DELHI)- Sarita vihar Bridge	110	45	88	2.78	76	20	58	2.73	-
CONTRIBUTION OF OUT FALLS IN OLD AGRA CANAL	-	-	-	2.78	-	-	-	-	-

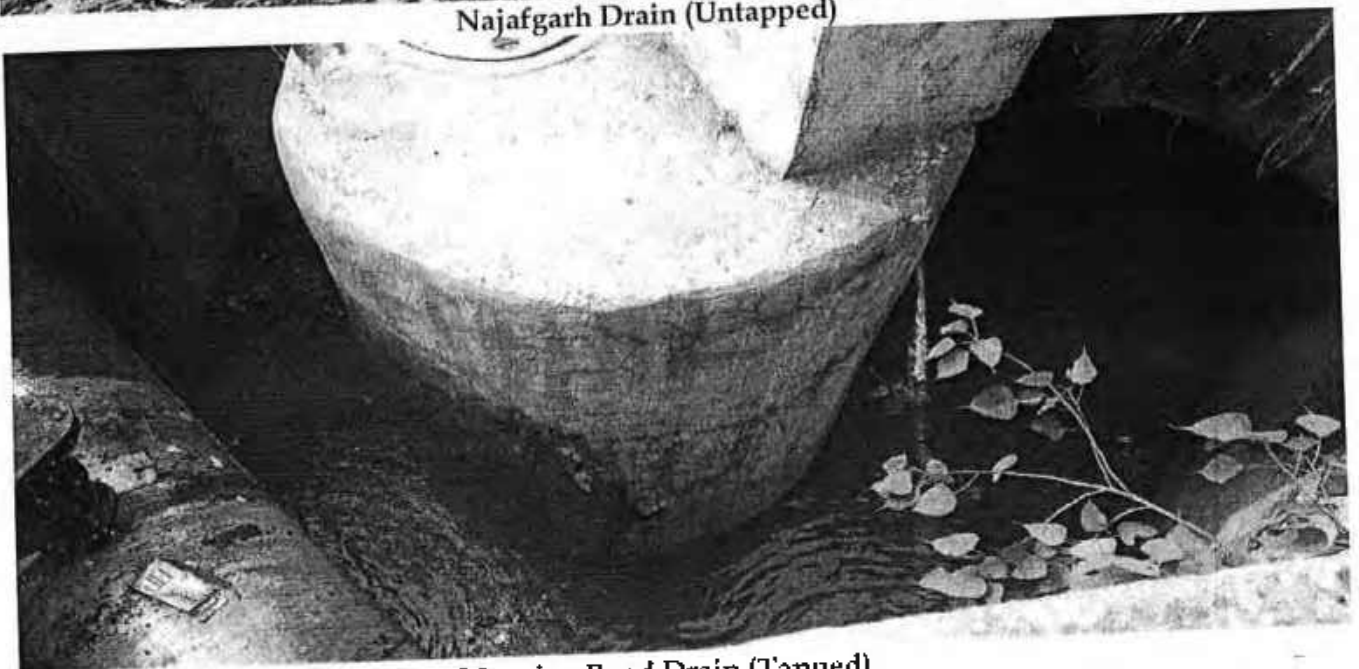
Drains	September, 2020				October, 2020				Status (Trapped/ Untapped / Overflow) as on 09/11/2020
	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	COD (mg/l)	BOD (mg/l)	SS (mg/l)	DISCHARGE (m ³ /sec)	
(DELHI)*									
SARITA VIHAR DRAIN (DELHI)	325	162	89	0.32	361	138	156	0.38	Overflow
MOLD BANDH DRAIN (DELHI)	292	128	88	0.26	283	99	93	0.34	Untapped
Note: i. NF: No Flow ii. Gates of trapped drain were remain opened for the monsoon month (August- September)									



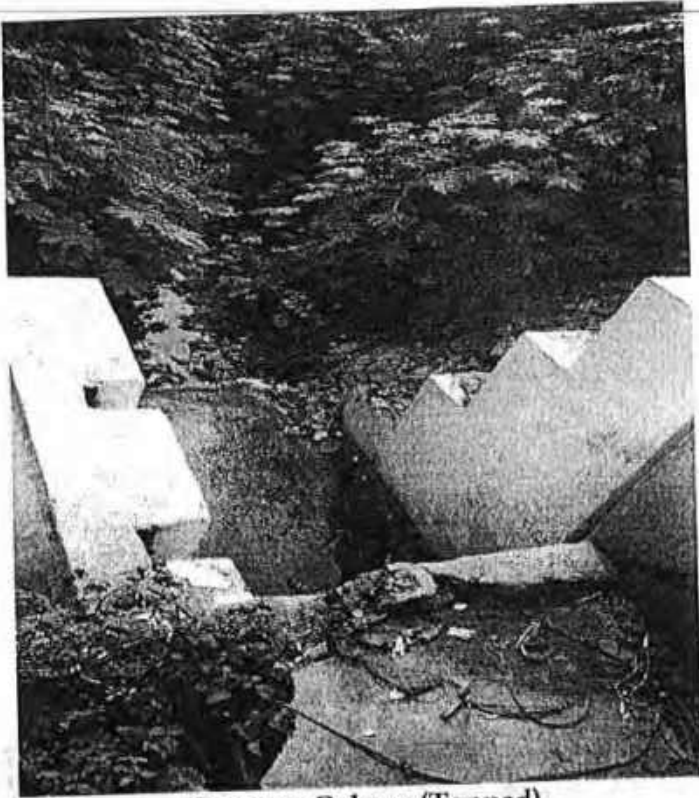
Sonia Vihar Drain (Untapped)



Najafgarh Drain (Untapped)



Magzine Road Drain (Tapped)



Sweeper Colony (Tapped)



Khyber Pass Drain (Tapped)

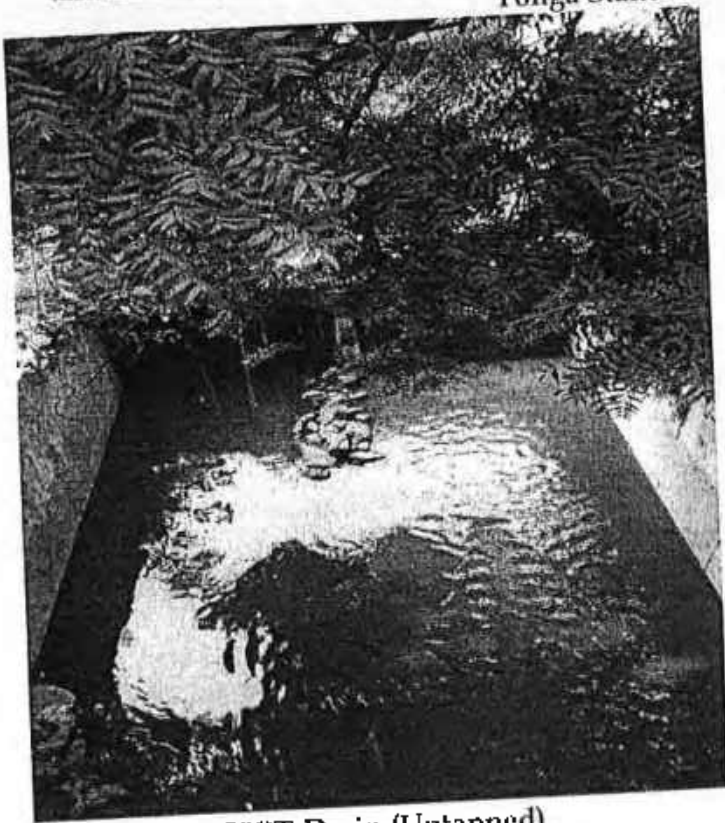


Metcalf House drain (Tapped)





Tonga Stand Drain (Tapped)



ISBT Drain (Untapped)



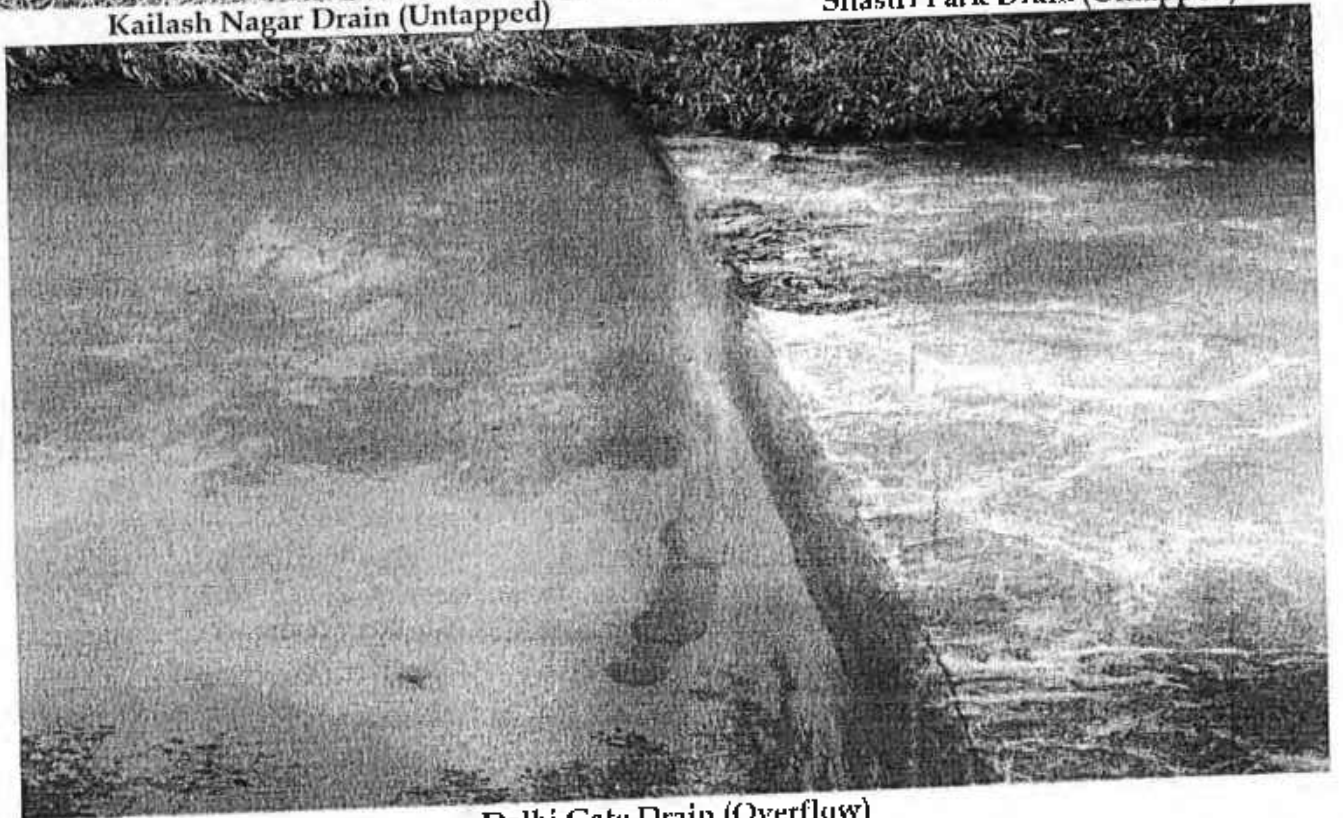
Civil Mill drain (Untapped)



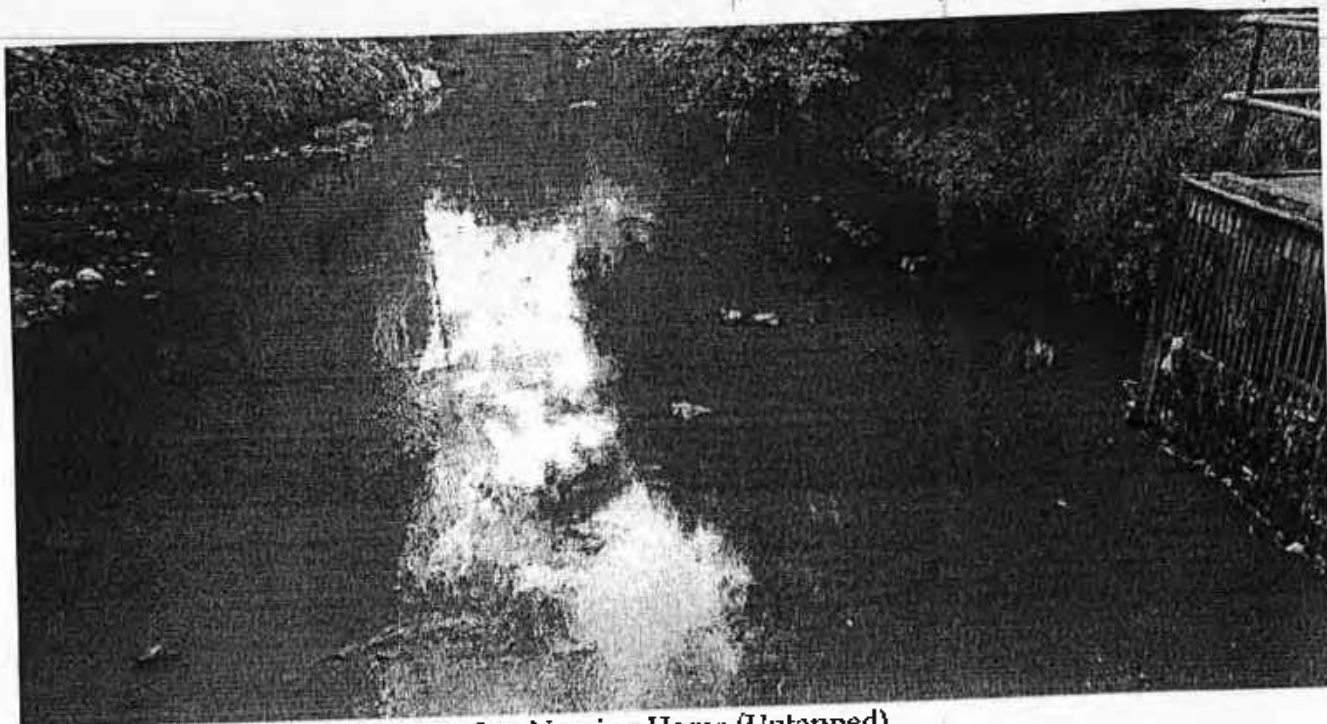
Kailash Nagar Drain (Untapped)



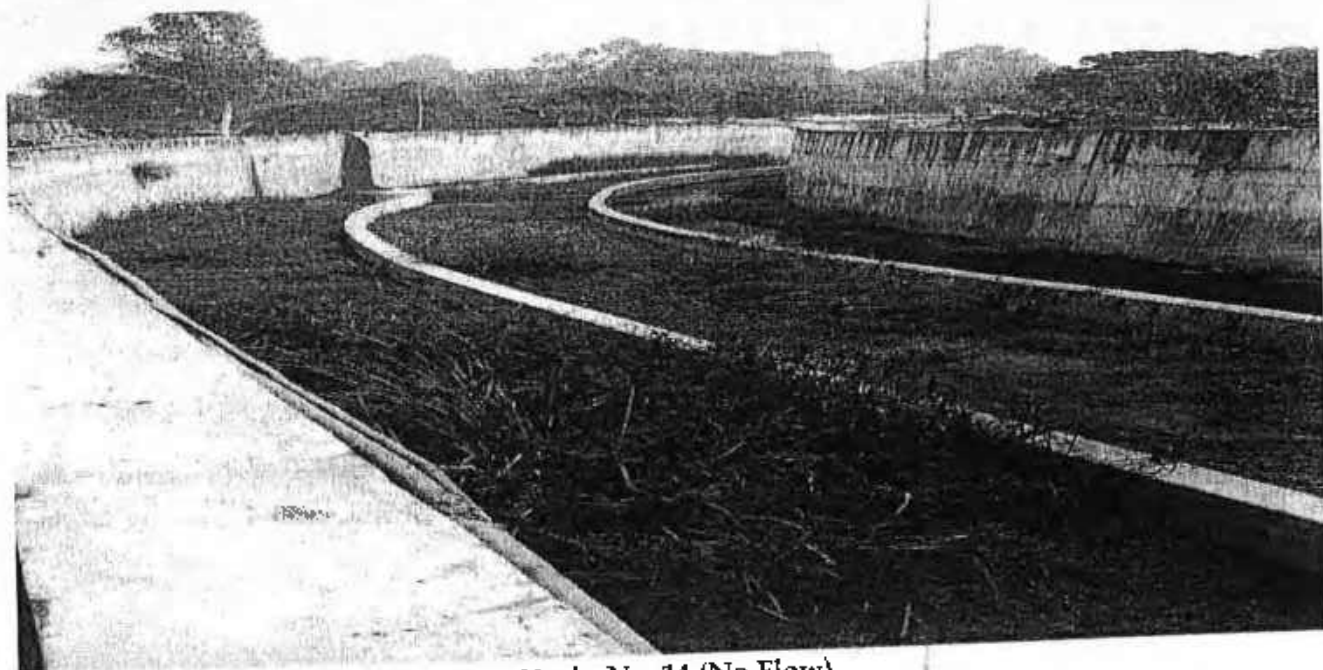
Shastri Park Drain (Untapped)



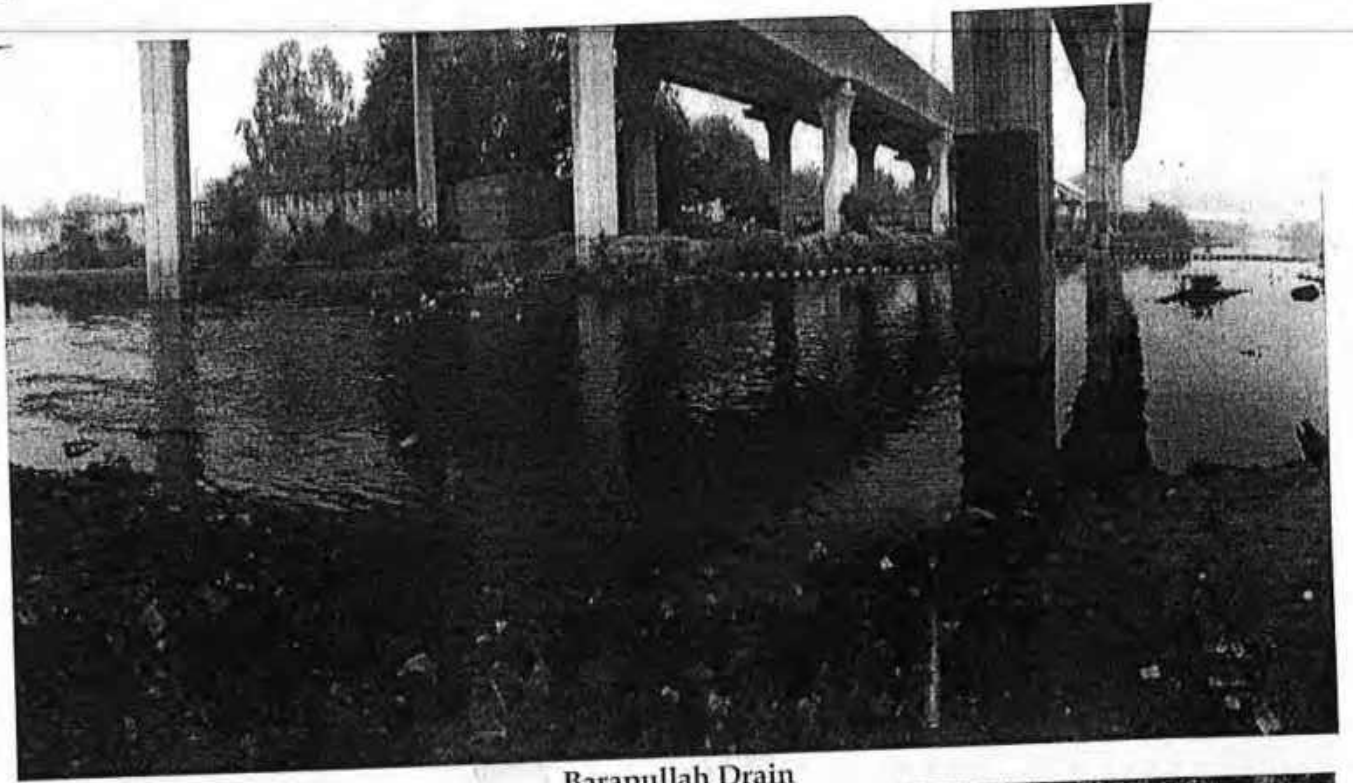
Delhi Gate Drain (Overflow)



Sen Nursing Home (Untapped)



Drain No. 14 (No Flow)



Barapullah Drain



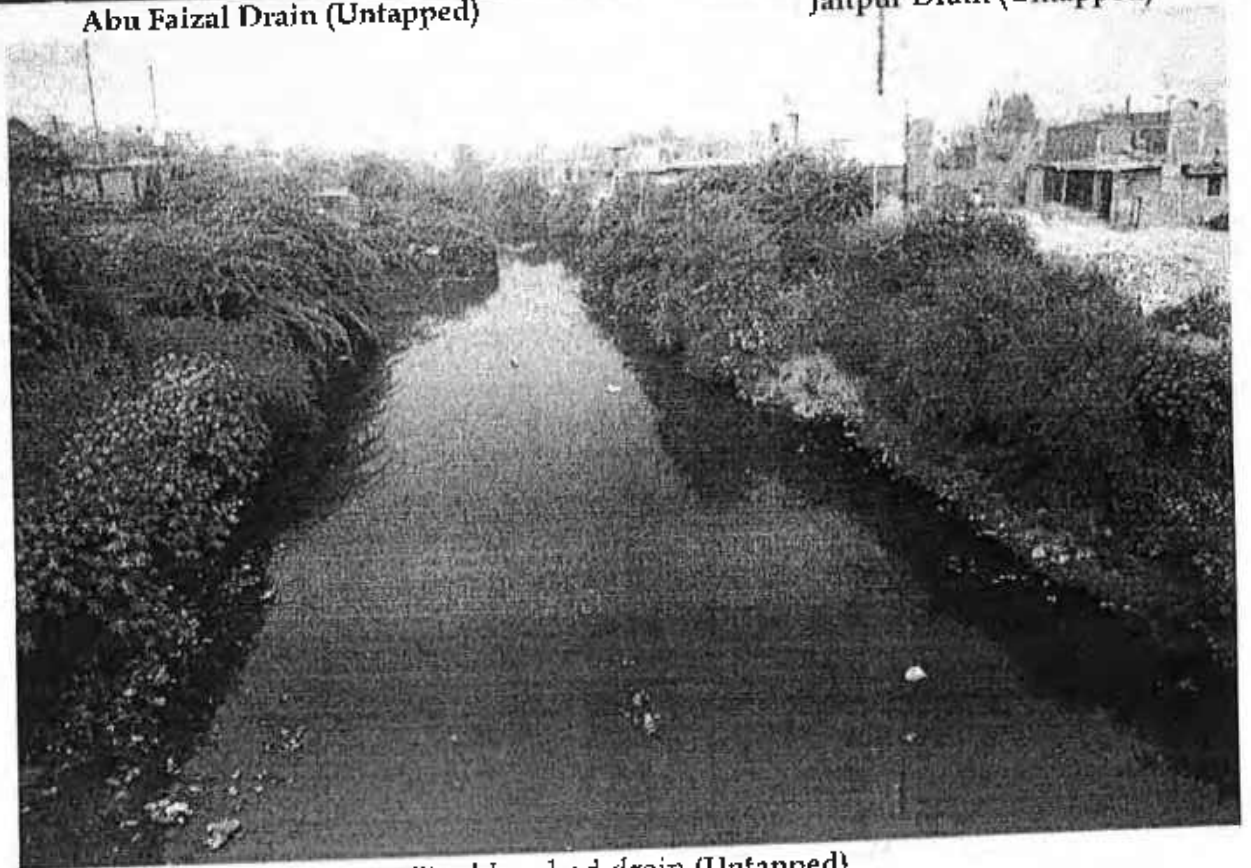
Maharani Bagh Drain



Abu Faizal Drain (Untapped)



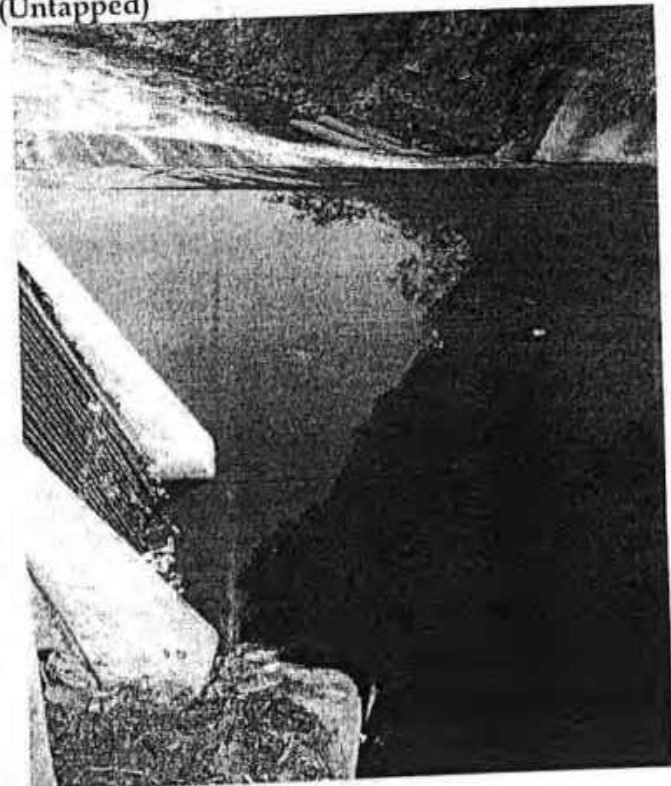
Jaitpur Drain (Untapped)



Tughlaqabad drain (Untapped)



Shahdara Drain (Untapped)



Sarita Vihar Drain (Overflow)