

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

SOUTHERN BENCH, CHENNAI

ORIGINAL APPLICATION NO. 27 OF 2021 (SZ)

Tribunal on its own motion

Suo Motu based on the news

item in The Hindu E-Paper, Edition

dt. 28.01.2021, "Faecal contamination

high in Perandoor, Edappally Canals" : Applicant(s)

Verses

The Chairman, SPCB & Others : Respondent(s)

VOLUME 2

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Dated this the 18th day of April 2022

Adv. RemaSmrithi,

ADDITIONAL STANDING COUNSEL FOR THE 4TH RESPONDENT

Monitoring Stations (Edapally Thodu)



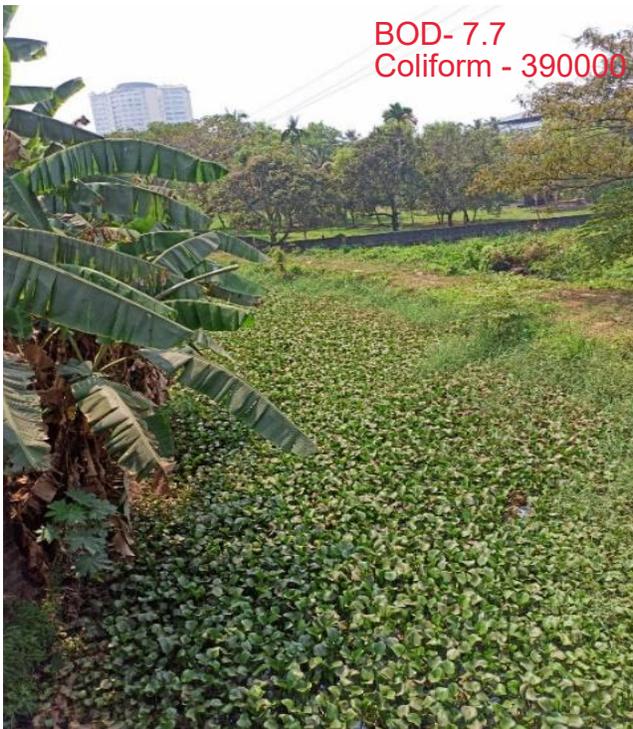
1. Muttar

Lat:- 10° 2'36.18"N, Lon:- 76°18'9.18"E



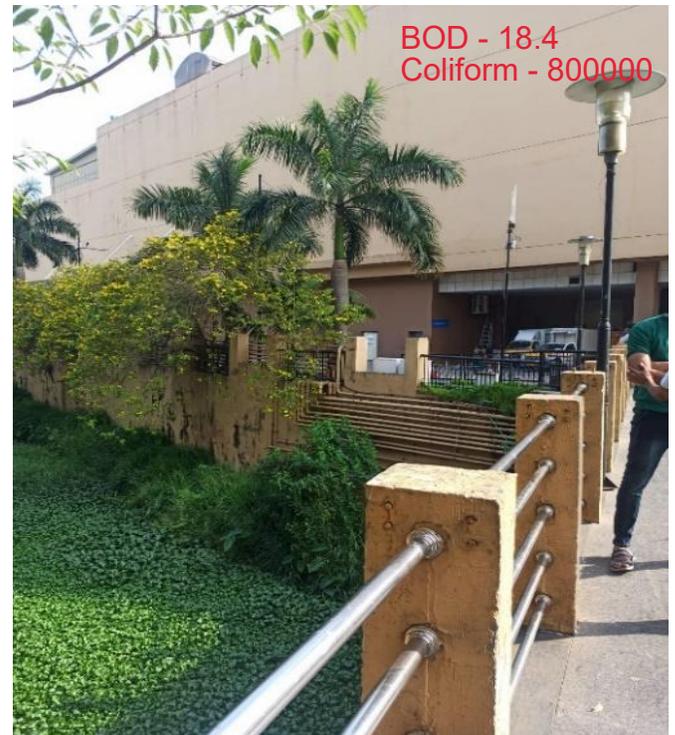
2. Indraj Bridge

Lat:- 10° 2'22.34"N, Lon:- 76°18'8.56"E



3. Chembokadavu Bridge

Lat:-10° 1'58.31"N,Lon:- 76°18'16.79"E



4. Lulu Mall

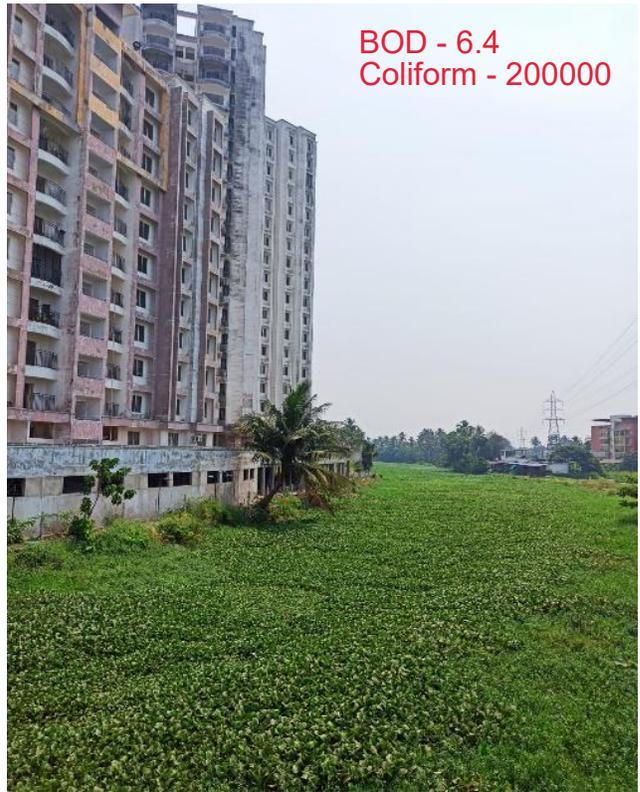
Lat:- 10° 1'35.13"N, Lon:- 76°18'26.61"E



BOD - 16.2
Coliform - 750000

5. Civil Line Road Padivattom

Lat:-10° 0'37.38"N,Lon:-76°19'11.42"E



BOD - 6.4
Coliform - 200000

6. Thuthiyoor Road

Lat:-9°59'58.70"N,Lon:-76°19'50.40"E



BOD- 2
Coliform - 8000

7. Chithrapuzha River

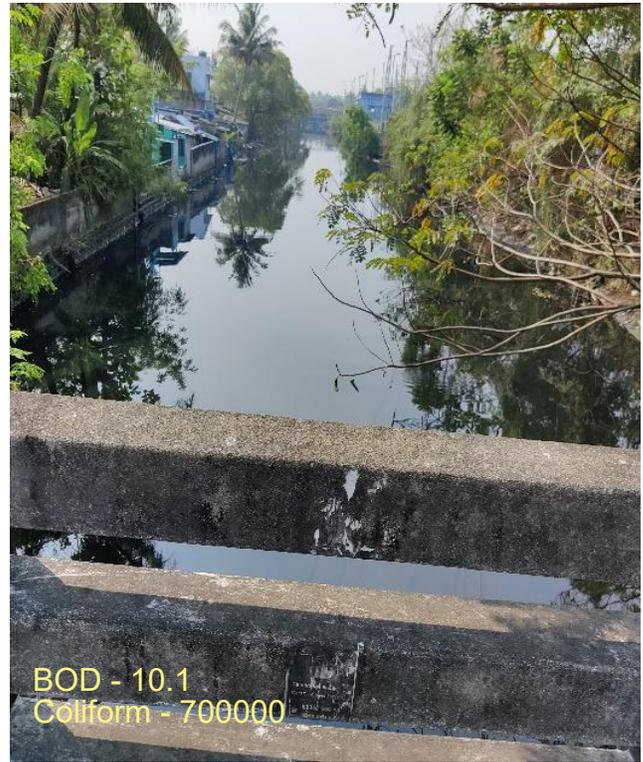
Lat:- 9°58'49.70"N ,Lon:- 76°20'13.96"E

Monitoring Stations (Perandoor Canal)



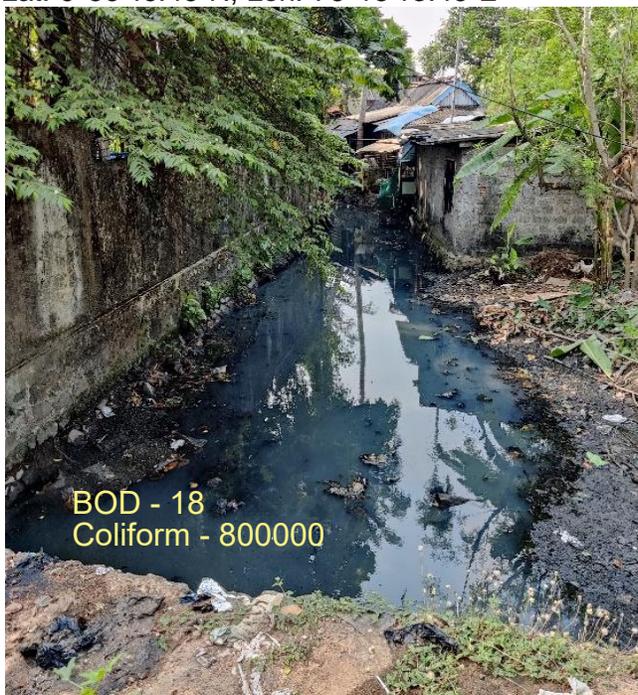
1. Thevara Canal

Lat:-9°56'46.46"N, Lon:-76°18'13.46"E



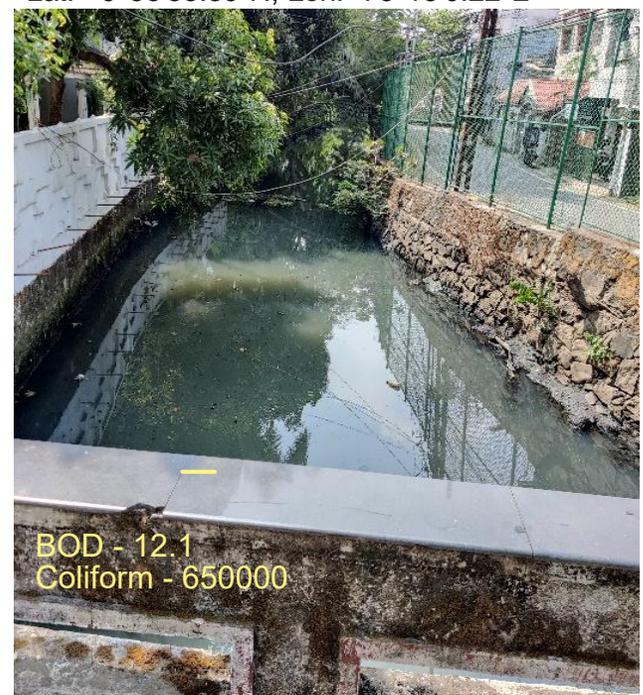
2. Sashtry Nagar Bridge

Lat:- 9°56'55.39"N, Lon:- 76°18'0.22"E



3. AL Jacob Railway Over Bridge

Lat:- 9°58'33.85"N, Lon:- 76°17'26.47"E



4. Kattakara Canal Road

Lat:- 9°59'22.97"N, Lon:- 76°17'28.45"E



5. Pachalam Bridge

Lat:-10° 0'16.27"N, Lon:- 76°17'14.15"E



6. Bridge Near TLRA-53, Elamakkara

Lat:- 10° 0'59.73"N, Lon:- 76°16'52.06"E



7. Perandoor canal (Vaduthala)

Lat:- 10° 1'12.61"N, Lon:- 76°16'50.94"E

Annexure 3

ANALYSIS REPORT - (DATE 17-03-2022)

1 PERANDOOR CANAL

Sl .No.	PARAMETERS	Units	LOCATION						
			Thevara Canal	Sasthry Nagar Bridge	AL Jacob Railway Over Bridge	Kattakara Canal Road	Pachalam Bridge	Bridge Near TLRA-53, Elamakkara	Perandoor Canal End Vaduthala
1	PH		6.8	6.6	6.8	6.3	6.2	6.9	6.8
2	BOD	mg/L	2.4	10.1	18	12.1	17.7	10.1	9
3	DO	mg/L	2	NIL	NIL	BDL	BDL	3.8	3.8
4	Total Coliform	cfu/1000ml	50000	700000	800000	650000	350000	270000	80000

2 EDAPALLYTHODU

Sl .No.	PARAMETERS	Units	LOCATION						
			Muttar River	Indraji Bridge	Chembokadavu Bridge	Lulu Mall bridge	Civil lin road Padivattom	Thuthiyoor Road Bridge	Chithrapuzha River
1	PH		5.9	5.9	6.5	6.2	6.4	6.3	6.7
2	BOD	mg/L	1.5	5.3	7.7	18.4	16.2	6.4	2
3	DO	mg/L	4.7	0.6	NIL	NIL	NIL	NIL	NIL
4	Total Coliform	cfu/1000ml	6800	155000	390000	800000	750000	200000	8000



KERALA STATE POLLUTION CONTROL BOARD

DISTRICT OFFICE -1, ERNAKULAM

GANDHINAGAR, KOCHI - 682 020

കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

ജില്ലാ ഓഫീസ്-1, എറണാകുളം

ഗാന്ധിനഗർ, കൊച്ചി - 682 020

PCB/EKM/DO-1/

Date: 10.02.2022

From,

Environmental Engineer
District Office-1
Ernakulam

To

The Chief Environmental Engineer,
KSPCB, Regional Office,
Ernakulam

Sub : Rejuvenation of Perandoor and Edappally thodu - Hon'ble NGT order -OA 27/2018- reg

Ref : That Office letter No PCB/RO-EKM/GEN-302/2021dated09.12.2021

Sir,

Kind attention is invited to the above matter.

Edappally Canal (11.23 km), Thevara – Perandoor Canal (11.15 km) are the two major canals flowing in the heart of Kochi city. Edappally Canal provides an easy link between the two industrial hubs of Kochi namely Udyogamandal and Ambalamugal. It is connecting the Muttar River, a branch of Periyar River on northern end and Chitrapuzha River on the Southern end. Thevara-Perandoor canal are also connected with Periyar River.

As stated above, the two canals are flowing through the heart of Kochi city. The canal banks are densely populated and also many establishments such as Hospitals, commercial complexes, Hotels etc are situated. The canals get contaminated with unauthorized sewage disposal from these establishments. This office have taken action to identify the polluting sources of the above two canals. Detailed inspections are conducted. It is noted that many residential apartments, commercial complexes etc are operating without proper treatment facility and Board's consent. This office will take action against the violators. The details of inspections conducted are enclosed herewith.

Yours Faithfully,

Environmental Engineer

THEVARA PERANDOOR CANAL (NGT OA-27/2021)

Sl No	Industries/Establishments	Date of Inspection	Remarks
1.	Muthoott Royal tower, Mathew Muthoottu (MD), Muthoothu mini corporate office, Kaloor, Kochi-682017	05.02.2022	Consent rejected, STP not properly working, sample collected.
2.	Bennison Heights, Umman Mani ,7C, Jennison Heights, Judges Avenue, Kaloor- 682017	05.02.2022	No consent (16000 sq. ft.), No STP, Soak pit overflow discharging to canal.
3.	Uni Residenz, Kaloor	05.02.2022	Consent valid, STP working, sample collected.
4.	M/s Noel Octave	05.02.2022	Consent valid, STP working, sample collected
5.	Skyline Marble Arch, Raju Eapen, association secretary, Kattakara Road West, Kathrikadav, Kaloor. 682017	05.02.2022	No consent, No STP, Soak pit overflow discharging to canal.
6.	Skyline Opal Arch, Sajitha Jaber, Association Secretary, Kattakara Road West, Kathrikadav, Kaloor, 682017	05.02.2022	No consent, STP not working properly, treated water tank overflowing discharging to canal
7.	ABM tower, Varghese Thomas, Joint Secretary, flat 3B2, Kadavanthra, 682020	05.02.2022	No consent, No STP, Soak pit overflow discharging to canal.
8.	Arya Bhangy Pine Tree, Ware house Road, Kadavanthra, 682017	05.02.2022	Consent Valid, STP working.
9.	Star Homes, Madhusudhanan, Secretary, South Star Apartment Owners Association, Opp. KSRTC Stand, Kochi, 682017	05.02.2022	No consent, No STP, Soak pit overflow discharging to canal.
10.	Trinity Citaden, Opp. KSRTC Stand, Kammattipadam, Kochi, 682017	05.02.2022	STP working,
11.	Water Melon Apartment, Opp. KSRTC Stand, Kochi, 682017	05.02.2022	No consent, No STP, Soak pit overflow discharging to canal

12.	Vanshika Apartments, Secretary , Sujith, Vidhya Nagar Road, Panampilly Nagar	08.02.2022	No STP, No Consent, Discharging to canal
13	ABAD CLOUD NINE Residence Association, Suresh Secretary, Vidhya Nagar Cross Road, Panampilly Nagar	08.02.2022	STP working, consent expired, treated water after filtration discharging to the canal, sample collected
14	Silver Streak, Direndra Surana., president, Vidhya Nagar Cross Road, Panampilly Nagar	08.02.2022	STP consists of screening chamber, aeration tank, filtration, chlorination and this water discharging to canal. Sample taken, consent not valid.
15	RDS Legacy, Vidhya Nagar Road, Kadavanthra P.O Ernakulum	08.02.2022	STP WORKING, Consent valid, treated water discharging to canal, sample collected.
16	DD Bhavanam. Vidhya Nagar Road, Kadavanthra P.O ,Ernakulum	08.02.2022	No STP, no consent, waste water discharging to drain.
17	Skyline Zircon Apartment Association, Vidhya Nagar Road, Kadavanthra P.O Ernakulum	08.02.2022	No STP, No consent, waste water after passing through filter discharging to the drain
18	Infra Hamlin Owners Association, Vidhya Nagar, Kadavanthra P.O , Ernakulum	08.02.2022	No STP, No consent, chlorinated waste water after passing through filter discharging to the drain
19	Empire Residenz, Girinagar, Kadavanthra P.O	08.02.2022	No occupants. So STP not working.
20	RDS Aura, Owners Association, Kadavanthra P.O Ernakulum	08.02.2022	STP working during inspection, consent expired, sample collected.

21	PMJ Towers, Vidhya Nagar, , Kadavanthra P.O Ernakulum	08.02.2022	No STP, no consent, waste water discharging to drain.
22	DD Roses Gate, Sunitha , Secretary, Anjiparambil Lane, Kadavanthra P.O Ernakulum	08.02.2022	No STP, no consent, waste water discharging to drain.
23	Slaughter House owned by Cochin Corporation	03.12.2021	Effluent discharged directly to Perandoor Canal. Closure direction issued. Proposing to take legal action against the Secretary, Kochi Corporation.