

**BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI**

Original Application No.257 of 2020 (SZ)

Tribunal on its own motion-Suo MOtu based on the News item
in the New Indian Newspaper dated: 27.11.2020,
“ A Cooum in the making in Karur?’
Callousness of Officials”

Vs

The Chief Secretary to Govt. of Tamil Nadu
Govt. Secretariat,
Fort St. George,
Chennai, Tamil Nadu – 600009 & 8 ors.

...Respondents

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**Filed by
Thiru. C. Kasirajan,
Advocate, Chennai.**

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Callousness of Officials"

Vs

1) The Chief Secretary to Govt. of Tamil Nadu
Govt. Secretariat,
Fort St. George,
Chennai, Tamil Nadu – 600009.

2) The Principal Secretary to Government,
Public Works Department,
Govt. Secretariat,
Fort St. George,
Chennai, Tamil Nadu – 600009.

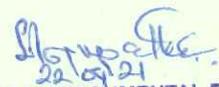
3) Principal Secretary to Government
Health and Family Welfare Department
Secretariat, Fort St. George,
Chennai 600 009.

4) The Secretary to Govt. of Tamil Nadu,
Department of Environment & Forests,
Govt. Secretariat,
Fort St. George
Chennai, Tamil Nadu – 600009.

5) Additional Chief Secretary to Govt. of Tamil Nadu,
Municipal Administration and
Water Supply Department,
Govt. Secretariat, Fort St. George
Chennai, Tamil Nadu – 600009.

6) The Chairman,
Tamil Nadu Pollution Control Board,
No.76, Anna Salai, Guindy,
Chennai, Tamil Nadu – 600032.

7) The District Collector,
Karur District,
Sh-874, First Floor Collector Office,
Karur, Tamil Nadu 639 007.


JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD
No.76, MOUNT SALAI, GUINDY,
CHENNAI 600 032

8) The Municipal Commissioner
Karur Municipality
Azad Road, Bunglaw Street,
Karur, Tamil Nadu 639 001.

9) The Chief Engineer,
P.W.D., W.R.O.,
Pollachi Region, Town Hall,
Coimbatore 641 001.

... Respondents

REPORT FILED ON BEHALF OF THE 6TH RESPONDENT
TAMIL NADU POLLUTION CONTROL BOARD.

I, S. Ragupathi, Son of Thiru. R. Sanganan, Hindu, aged about 54 years, having office at No. 76, Mount Salai, Guindy, Chennai-600 032, do hereby solemnly affirm and sincerely state as follows:-

1. I am the Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai-32 and I am filing this Reply Affidavit on behalf of the 6th respondent Board and as such I am well acquainted with the facts of the case from the records.

2. It is respectfully submitted the Hon'ble NGT has passed order dated 15.12.2020 and directed as follows:-

" Para 8to appoint a joint committee comprising of 1) the District Collector, Karur District, or a Senior Officer not below the rank of Assistant Collector or Sub 6 Divisional Magistrate deputed by the District Collector, 2) a Senior Scientist from Central Pollution Control Board (CPCB), Regional Office, Chennai, (3) a Senior Officer from the Tamil Nadu State Pollution Control Board as designated by its Chairman, 4) a Senior Officer not below the rank of Superintending Engineer of Public Works Department and Water Resources Organisation (WRO) of that area, (5) the Municipal Commissioner,

S. Ragupathi
22/12/21
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD
NO. 76, MOUNT SALAI, GUINDY.

Karur Municipality to inspect the area in question and submit a factual as well as action taken report, if there is any violation found, including assessment of environmental compensation for damage caused on account of any alleged illegal activity resulting in pollution to the water in the river Amaravathy.

Para 11 The committee is also directed to ascertain the existence and functioning of any Effluent Treatment Plant (ETP), Sewage Treatment Plant (STP) and requirement of a Common Effluent Treatment Plant (CETPs) in that area and its operation level as to whether it meets all the norms by testing the inlets and outlets of the effluents being treated by these units and if there is any violation found, what is the action proposed to be taken against such units.

The Central Pollution Control Board (CPCB), Regional Office, Chennai will be the nodal agency for co-ordination and for providing all necessary logistics for this purpose."

STATUS OF DYEING UNITS IN KARUR

3. It is respectfully submitted that in the year 2011, there were 487 textile processing units functioning in and around Karur town. Out of these, 391 units were members of 8 Nos. of Common Effluent Treatment Plants and balance units (96) were running with Individual Effluent Treatment Plants. The treated effluents from these units were discharged either directly or indirectly into irrigation canals of River Amaravathi. However, the dyeing industries with the available


22/01/21
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD
No.76, MOUNT SALAI, GUINDY,

treatment technology at that time could not achieve the standards prescribed by the TNPC Board.

4. It is respectfully submitted that, an Writ Petition No.24650 of 2003 filed by an agriculture association, the Hon'ble High Court of Madras directed the TNPC Board to issue closure direction to of all the dyeing units which have not provided zero liquid discharge plants vide its order dt.16.09.2009. Accordingly all the 487 units and 8 CETPs operating in Karur were totally closed and power supply was disconnected in the year 2012 as the units have not provided ZLD plants.

Then, the units have started to provide ZLD plants and at present 68 dyeing and bleaching units have provided zero liquid discharge system comprising of Effluent Treatment Plant, R.O. plant and Reject management system and started operating with valid consents of the Board.

Out of the 68 units, 46 are Textile dyeing units and 22 are textile bleaching units. Out of the 68 units two units are Large scale, two units are Medium scale and 64 units are small scale units. Out of the 68 units only 28 units are machine process and the rest of 40 units are small scale hand dyeing and bleaching process. Out of the 68 units only 22 units are generating 100 KLD and above trade effluent quantity and the rest of 46 units are generating less than 100KLD trade effluent.

Regarding the location details of the units from River Amaravathy three units are located within 100m, 29 units from 100M


JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMIL NADU POLLUTION CONTROL BOARD

to 1 KM, 32 units from 1KM to 5 KM and 3 units 5 KM away from the River. Out of the 68 units only 55 units are in operation and seven units are not in operation for the past one year and six units are given direction for closure by TNPCB.

Status of Sewage from Karur Municipality:

5. It is respectfully submitted that, the Karur Municipality have provided a Sewage Treatment Plant (STP) of 15 MLD capacity and part of the Municipal area (32 out of 48 wards) is connected with the STP through underground drainage system (UGDs). The treated sewage from the STP is discharged into nearby irrigation Channel. The sewage from the balance area (16 wards) and the adjacent Andankoil village Panchayat area is not connected with the system and the sewage is gaining access to the River Amaravathi through Rain water odai.

The TNPCB has directed the Karur Municipality to provide STP with UGDS covering the entire municipal area and to prevent the sewage gaining access into River Amaravathy.

The Honble Madurai Bench of Madras High Court has also given direction in this regard to Karur Municipality in its order dt 28/09/2016 in WP(MD)No 15295 of 2012.

6. It is respectfully submitted that the TNPCB is monitoring the ZLD plants, all units have installed Flow meters at inlet and outlet of three stages of ZLD plants.

In Large and Medium size units the flow meters are connected with computer recording system and the same is connected with

Water Quality Watch Centre at TNPCB Head Office, Chennai and 24 x 7 monitoring is ensured.

In small scale machine dyeing units computer recording system is ensured. To ascertain the performance of ZLD plants samples are collected and analysed at each stage of ZLD plant and the performance is studied.

The sludge of Effluent Treatment Plant and mixed salt of SEP/ATFD are disposed for cement industries and common disposal facility respectively. Manifest system for storage, transport and disposal is followed by these units.

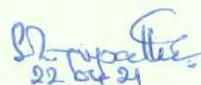
The dyeing units in Karur are monitored by District Environmental Engineer, TNPCB, Karur and Environmental Engineer, Flying Squad, TNPCB, Erode.

Action against any operation of illegal units brought to the notice of the Board is taken through District Co-ordination Committee headed by District Collector. For the past two years power supply to nine units was disconnected and dyed material also seized.

Closure and disconnection of power supply order issued to consented six units based on the shortfall in operation and performance of ZLD plants.

Monthly samples are collected and analysed at the following locations:

- Karur Municipality STP outlet which joins with Panchamadevi PWD irrigation Channel.
- Ground water sample at both banks of River Amaravathi.


22 Oct 21

- River water sample at Thirumukkadalur 8 KM downstream side of Karur town and the confluence point of River Amaravathi with River Cauvery.

7. It is further submitted that the Hon'ble Madurai Bench of Madras High Court has filed a Suo Motu WP (MD) No 17508 of 2020 based on the same news item published in the Indian Express newspaper on 27/11/2020 regarding pollution of River Amaravathy and it is stated in the news item, sewage and solid waste from Karur Municipal area is disposed into the River and illegal discharge from Textile dyeing and bleaching units are also gaining access to the River and thereby polluting the River.

8. It is respectfully submitted that the Hon'ble court in its order dt: 09/12/2020 directed the TNPCB to collect water samples in Rettaivaikkal (abandoned PWD Channel) running within the Karur Town at five locations. The Hon'ble High Court also directed to collect and send counter samples to King Institute, Chennai.

9. It is respectfully submitted that, the District Environmental Engineer, Karur collected samples from the following locations on 10.12.2020 between 11.20 AM and 3.20 PM:

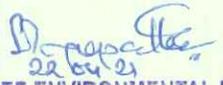
- i. Rettaivaikkal at Chinnandankoil water tank road(Near Veema Engineering Works)
- ii. Rettaivaikkal at Pasupathi Layout (near BSNL headquarters)
- iii. Rettaivaikkal at Walkers club under light house bridge
- iv. Rettaivaikkal at small bridge adjacent to Kamaraj market

- v. Rettaivaikkal at Rathinam Salai nearby Neelimettu Street
- vi. PancahmadeviVaaikkaal adjacent to Murugan saw mill
- vii. Mettuvaaikkal at Rayanur Road infront of Sri Lakshmi Agency Godown

One set of samples sent for Analysis to Tamil Nadu Pollution Control Board, Advanced Environmental Laboratory, Salem on 10.12.2020 at 7.00 PM. One set of Counter samples sent for Analysis at Salim Ali Centre for ornithology and Natural History, Coimbatore on 10.12.2020 at 09.15 PM, since King Institute, Chennai is not accepting effluent samples for analysis.

The comparative statement of report of TNPCB and Salim Ali Centre is submitted herewith as Annexure

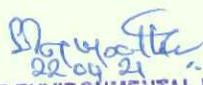
Under the above circumstances, it is humbly prayed that this Hon'ble National Green Tribunal (Southern Zone) may be pleased to pass such further or other orders as this Hon'ble Tribunal may deem fit and proper in the facts and circumstances of this case and thus render justice.


 22.04.21
 JOINT CHIEF ENVIRONMENTAL ENGINEER
 TAMIL NADU POLLUTION CONTROL BOARD
 No.76, MOUNT SALAI, GUINDY,
 CHENNAI-600 032.
BEFORE ME

VERIFICATION

I, S. Ragupathi, Son of Thiru.R. Sanganan, working as Joint Chief Environmental Engineer, Tamil Nadu Pollution Control Board, Chennai-600 032 do hereby verify that the contents of above report are true to the best of my knowledge through records.

Verified at Chennai on this day of April, 2021.


 22.04.21
 JOINT CHIEF ENVIRONMENTAL ENGINEER
 TAMIL NADU POLLUTION CONTROL BOARD

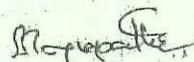
ANNEXURE – STATEMENT SHOWING REPORT OF ANALYSIS

1. Rettaivaikkal at Chinnandankoil water tank Road (Near Veemaa Engineering Works)
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCB B.P. Ms. No. 30, Dated:21.02.1984)	AEL,TNPCB	Salim Ali Lab
1	PH	No	5.5 to 9	7.32	-
2	T.D.S	mg/L	2100	1392	1089
3	Chloride	mg/L	1000	440	391.9
4	Sulphate	mg/L	1000	89	NA
5	BOD	mg/L	30	51	NA
6	COD	mg/L	250	440	20
7	TKN	mg/L	100	31.36	NA
8	Ammo.N	mg/L	50	27.44	24
9	Nitrate-N	mg/L	-	0.014	2.99
10	Nitrite-N	mg/L	-	0.003	NA
11	Total Nitrogen	mg/L	-	31.38	NA
12	Flouride	mg/L	2	0.017	NA
13	Total Iron	mg/L	-	0.12	0.013
14	Total Hardness	mg/L	-	450	487.9
15	Calcium	mg/L	-	96	22.71
16	Mg	mg/L	-	51	12.51
17	Na	mg/L	-	262	61.29
18	K	mg/L	-	22	4.78
19	SAR	mg/L	-	5.4	14.6
20	T. Alkalinity	mg/L	-	544	426
21	P. Alkalinity	mg/L	-	< 1	110
22	% Na	mg/L	-	54	0.0061
23	Phosphate (Dissolved)	mg/L	5	0.639	NA
24	Phosphate (Total)	mg/L	-	2.37	NA
25	Boron	mg/L	2	< 0.002	NA
	Heavy metals				
26	Cu	mg/L	3	< 0.0015	0.003
27	Zn	mg/L	1	2.16	0.022
28	Pb	mg/L	0.1	< 0.015	BDL
29	Ni	mg/L	3	0.114	0.003
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.156	0.160
32	T.Cr	mg/L	2	<0.05	BDL
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/10 0 ML	-	6300	NA
35	F. Coliform	MPN/10 0 ML	-	2600	NA
36	D.O	mg/L	-	Nil	NA

NA – Note Analysed BDL – Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCB Inland surface water Standards.


JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.78, MOUNT SALAI, CHENNAI-600 032.

2. Rettaivaikkal at Pasupathi Layout (near BSNL quarters)
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCB B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCB Lab	Salim Ali Lab
1	PH	No	5.5 to 9	7.11	-
2	T.D.S	mg/L	2100	1064	814
3	Chloride	mg/L	1000	285	239.9
4	Sulphate	mg/L	1000	18	NA
5	BOD	mg/L	30	105	NA
6	COD	mg/L	250	456	40
7	TKN	mg/L	100	29.12	NA
8	Ammono.N	mg/L	50	26.32	9.6
9	Nitrate-N	mg/L	-	0.007	4.1
10	Nitrite-N	mg/L	-	0.004	NA
11	Total Nitrogen	mg/L	-	29.13	NA
12	Flouride	mg/L	2	0.0132	NA
13	Total Iron	mg/L	-	0.074	0.022
14	Total Hardness	mg/L	-	410	356.0
15	Calcium	mg/L	-	96	17.61
16	Mg	mg/L	-	41	8.86
17	Na	mg/L	-	156	42.23
18	K	mg/L	-	28	5.57
19	SAR	mg/L	-	3.2	11.6
20	T. Alkalinity	mg/L	-	524	482
21	P. Alkalinity	mg/L	-	<1	60
22	% Na	mg/L	-	44	0.0042
23	Phosphate (Dissolved)	mg/L	5	0.449	NA
24	Phosphate (Total)	mg/L	-	2.13	NA
25	Boron	mg/L	2	<0.002	NA
	Heavy metals				
26	Cu	mg/L	3	<0.0015	0.003
27	Zn	mg/L	1	<0.0015	0.010
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.003
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.165	0.176
32	T.Cr	mg/L	2	<0.05	BDL
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	7900	NA
35	F. Coliform	MPN/100 ML	-	4900	NA
36	D.O	mg/L	-	Nil	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCB Inland surface water Standards.


 JOINT CHIEF ENVIRONMENTAL ENGINEER
 TAMIL NADU POLLUTION CONTROL BOARD

3. Rettaivaikkal at Walkers club under Light House Bridge
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCC B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCC Lab	Salim Ali Lab
1	PH	No	5.5 to 9	7.19	-
2	T.D.S	mg/L	2100	772	599
3	Chloride	mg/L	1000	200	173.9
4	Sulphate	mg/L	1000	15	NA
5	BOD	mg/L	30	27	NA
6	COD	mg/L	250	240	140
7	TKN	mg/L	100	21.28	NA
8	Ammo.N	mg/L	50	16.8	8.1
9	Nitrate-N	mg/L	-	0.021	3.96
10	Nitrite-N	mg/L	-	0.006	NA
11	Total Nitrogen	mg/L	-	21.30	NA
12	Flouride	mg/L	2	0.046	NA
13	Total Iron	mg/L	-	0.084	0.018
14	Hardness	mg/L	-	320	289.0
15	Calcium	mg/L	-	84	12.88
16	Mg	mg/L	-	27	6.45
17	Na	mg/L	-	116	28.04
18	K	mg/L	-	33	6.16
19	SAR	mg/L	-	2.8	9.0
20	T. Alkalinity	mg/L	-	352	200
21	P. Alkalinity	mg/L	-	<1	22
22	% Na	mg/L	-	41	0.0028
23	Phosphate (Dissolved)	mg/L	5	0.657	NA
24	Phosphate (Total)	mg/L	-	2.89	NA
25	Boron	mg/L	2	<0.002	NA
	Heavy metals				
26	Cu	mg/L	3	<0.0015	0.003
27	Zn	mg/L	1	<0.0015	0.015
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.003
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.092	0.116
32	T.Cr	mg/L	2	<0.05	0.001
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	3100	NA
35	F. Coliform	MPN/100 ML	-	1300	NA
36	D.O	mg/L	-	Nil	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCC Inland surface water Standards.

[Signature]
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.75, MOORTHY STREET, KARUR

4. Rettaivaikkal at small bridge adjacent to Kamaraj Market.
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCC B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCC	Salim Ali Lab
1	PH	No	5.5 to 9	7.30	-
2	T.D.S	mg/L	2100	796	515
3	Chloride	mg/L	1000	180	153.9
4	Sulphate	mg/L	1000	56	NA
5	BOD	mg/L	30	5	NA
6	COD	mg/L	250	48	360
7	TKN	mg/L	100	12.32	NA
8	Ammo.N	mg/L	50	8.96	4.1
9	Nitrate-N	mg/L	-	0.028	2.28
10	Nitrite-N	mg/L	-	0.007	NA
11	Total Nitrogen	mg/L	-	12.36	NA
12	Flouride	mg/L	2	0.063	NA
13	Total Iron	mg/L	-	0.102	0.017
14	Total Hardness	mg/L	-	370	272.2
15	Calcium	mg/L	-	76	11.71
16	Mg	mg/L	-	44	6.56
17	Na	mg/L	-	110	25.66
18	K	mg/L	-	31	6.09
19	SAR	mg/L	-	2.4	8.5
20	T. Alkalinity	mg/L	-	370	274
21	P. Alkalinity	mg/L	-	<1	30
22	% Na	mg/L	-	37	0.0026
23	Phosphate (Dissolved)	mg/L	5	0.648	NA
24	Phosphate (Total)	mg/L	-	2.82	NA
25	Boron	mg/L	2	<0.002	NA
	Heavy metals				
26	Cu	mg/L	3	<0.0015	0.002
27	Zn	mg/L	1	0.038	0.013
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.002
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	1.440	0.043
32	T.Cr	mg/L	2	<0.05	BDL
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	840	NA
35	F. Coliform	MPN/100 ML	-	310	NA
36	D.O	mg/L	-	5.7	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCC Inland surface water Standards.

[Signature]
JOINT CHIEF ENVIRONMENTAL ENGINEER

12

13

5. Rettaivaikkal at Rathinam Salai nearby Neelimettu Street.
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCB B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCB	Salim Ali Lab
1	PH	No	5.5 to 9	7.48	-
2	T.D.S	mg/L	2100	1632	1206
3	Chloride	mg/L	1000	405	347.8
4	Sulphate	mg/L	1000	125	NA
5	BOD	mg/L	30	120	NA
6	COD	mg/L	250	608	350
7	TKN	mg/L	100	30.24	NA
8	Ammo.N	mg/L	50	21.28	6.8
9	Nitrate-N	mg/L	-	0.035	6.16
10	Nitrite-N	mg/L	-	0.009	NA
11	Total Nitrogen	mg/L	-	30.28	NA
12	Flouride	mg/L	2	0.023	NA
13	Total Iron	mg/L	-	0.205	0.018
14	Total Hardness	mg/L	-	540	284.8
15	Calcium	mg/L	-	120	21.61
16	Mg	mg/L	-	58	12.28
17	Na	mg/L	-	273	64.81
18	K	mg/L	-	84	19.27
19	SAR	mg/L	-	5.1	15.7
20	T. Alkalinity	mg/L	-	700	580
21	P. Alkalinity	mg/L	-	<1	56
22	% Na	mg/L	-	48	0.0065
23	Phosphate (Dissolved)	mg/L	5	0.713	NA
24	Phosphate (Total)	mg/L	-	2.99	NA
25	Boron	mg/L	2	<0.002	NA
	Heavy metals				
26	Cu	mg/L	3	<0.0015	0.004
27	Zn	mg/L	1	<0.0015	0.013
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.003
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.218	0.207
32	T.Cr	mg/L	2	<0.05	0.001
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	7000	NA
35	F. Coliform	MPN/100 ML	-	2600	NA
36	D.O	mg/L	-	Nil	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCB Inland surface water Standards.

R. S. Srinivasan
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
No.76, MOUNT SALAI, CHENNAI-600 032.

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6. Panchamadevi Vaaikkaal adjacent to Murugan saw Mill.
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCB B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCB	Salim Ali Lab Centre
1	PH	No	5.5 to 9	7.63	-
2	T.D.S	mg/L	2100	1704	1264
3	Chloride	mg/L	1000	565	505.0
4	Sulphate	mg/L	1000	95	NA
5	BOD	mg/L	30	48	NA
6	COD	mg/L	250	376	220
7	TKN	mg/L	100	28	NA
8	Ammo.N	mg/L	50	24.08	6.3
9	Nitrate-N	mg/L	-	0.021	4.03
10	Nitrite-N	mg/L	-	0.011	NA
11	Total Nitrogen	mg/L	-	28.03	NA
12	Flouride	mg/L	2	0.173	NA
13	Total Iron	mg/L	-	0.167	0.025
14	Total Hardness	mg/L	-	520	531.9
15	Calcium	mg/L	-	104	19.58
16	Mg	mg/L	-	63	11.8
17	Na	mg/L	-	309	78.17
18	K	mg/L	-	5.7	4.51
19	SAR	mg/L	-	5.9	19.7
20	T. Alkalinity	mg/L	-	610	500
21	P. Alkalinity	mg/L	-	<1	32
22	% Na	mg/L	-	56	0.0078
23	Phosphate (Dissolved)	mg/L	5	0.625	NA
24	Phosphate (Total)	mg/L	-	2.36	NA
25	Boron	mg/L	2	<0.002	NA
	Heavy metals				
26	Cu	mg/L	3	<0.0015	0.002
27	Zn	mg/L	1	<0.0015	0.008
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.002
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.224	0.332
32	T.Cr	mg/L	2	<0.05	0.006
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	9400	NA
35	F. Coliform	MPN/100 ML	-	4300	NA
36	D.O	mg/L	-	Nil	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters are generally complying with the TNPCB Inland surface water Standards.

7. Mettuvaaikkal at Rayanur Road in front of Sri Lakshmi Agency Godown.
(Abandoned PWD canal under the maintenance of Karur Municipality)

SL.No	Parameter	Unit	Inland surface water Standards (TNPCB B.P. Ms. No. 30, Dated:21.02.1984)	AEL, TNPCB	Salim Ali Lab
1	PH	No	5.5 to 9	7.81	-
2	T.D.S	mg/L	2100	4164	3356
3	Chloride	mg/L	1000	1949	1939.4
4	Sulphate	mg/L	1000	20	NA
5	BOD	mg/L	30	33	NA
6	COD	mg/L	250	328	210
7	TKN	mg/L	100	19.04	NA
8	Ammo.N	mg/L	50	10.64	6.3
9	Nitrate-N	mg/L	-	0.014	5.38
10	Nitrite-N	mg/L	-	0.008	NA
11	Total Nitrogen	mg/L	-	19.06	NA
12	Flouride	mg/L	2	0.415	NA
13	Total Iron	mg/L	-	0.223	0.019
14	Total Hardness	mg/L	-	780	705.7
15	Calcium	mg/L	-	168	32.88
16	Mg	mg/L	-	87	11.63
17	Na	mg/L	-	877	284.74
18	K	mg/L	-	6.2	15.0
19	SAR	mg/L	-	13.7	60.4
20	T. Alkalinity	mg/L	-	600	538
21	P. Alkalinity	mg/L	-	<1	30
22	% Na	mg/L	-	71	0.0285
23	Phosphate (Dissolved)	mg/L	5	0.356	NA
24	Phosphate (Total)	mg/L	-	1.34	NA
25	Boron	mg/L	2	<0.002	NA
Heavy metals					
26	Cu	mg/L	3	<0.0015	0.002
27	Zn	mg/L	1	<0.0015	0.006
28	Pb	mg/L	0.1	<0.015	BDL
29	Ni	mg/L	3	<0.006	0.004
30	Cd	mg/L	2	<0.0008	BDL
31	Mn	mg/L	-	0.247	0.275
32	T.Cr	mg/L	2	<0.05	0.006
33	Hex.Cr	mg/L	0.1	<0.05	NA
34	T. Coliform	MPN/100 ML	-	790	NA
35	F. Coliform	MPN/100 ML	-	330	NA
36	D.O	mg/L	-	Nil	NA

NA - Note Analysed BDL - Below Detectable Limit

Inference: The ROA indicates that the parameters TDS and Chlorides are not complying with TNPCB Inland surface water Standards.

[Signature]
JOINT CHIEF ENVIRONMENTAL ENGINEER
TAMILNADU POLLUTION CONTROL BOARD,
CHENNAI 600 032.

**BEFORE THE NATIONAL GREEN
TRIBUNAL SOUTHERN ZONE,
CHENNAI**

**Original Application No.257 of 2020
(SZ)**

Tribunal on its own motion-Suo MOtu
based on the News item in the New
Indian Newspaper dated: 27.11.2020,
“ A Cooum in the making in Karur?’
Callousness of Officials”

Vs

The Chief Secretary to Govt.
of Tamil Nadu. Govt.
Secretariat, Fort St. George,
Chennai,
Tamil Nadu – 600009 & 8 ors.

... Respondents

**REPORT FILED ON BEHALF OF
THE 6TH RESPONDENT - TAMIL
NADU POLLUTION CONTROL
BOARD**

**Advocate for Respondent : TNPCCB
Thiru.Kasi Rajan,
Advocate, Chennai.**

Date:23.04.2021

Date of hearing on:25.05.2021