

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

**ORIGINAL APPLICATION No.      OF 2024 (SZ)**

**{Earlier OA No. 1213/2024 (PB)}**

News Item titled "Sakhi Lake under threat chokes on pharma waste" appearing in the Times of India dated 22.09.2024.

**REPORT OF THE TELANGANA POLLUTION CONTROL BOARD (TGPCB)**

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**Place: Hyderabad**

**Date: 22-11-2024.**

*T. Jayaram*

**COUNSEL FOR RESPONDENT BOARD**



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**Report of the Telangana Pollution Control Board (Respondent No.1) in OA No. 1213 of 2024 registered SuoMotu by the Hon'ble NGT, Principal Bench, New Delhi based on the News item titled "Sakhi Lake under threat chokes on Pharma Waste" appearing in the Times of India dated 22.09.2024.**

It is to submit that an Original Application was registered Suo Motu by the Hon'ble NGT, Principal Bench, New Delhi vide OA No. 1213 of 2024 based on the News item titled "Sakhi Lake under threat chokes on Pharma Waste" appearing in the Times of India dated 22.09.2024.

The news item relates to the alarming pollution levels at Sakhi Lake in Hyderabad, primarily due to the discharge of pharmaceutical waste from nearby industries, which has led to a significant decline in water quality. This pollution is primarily attributed to nearby pharmaceutical industries that discharge their waste into the lake. The polluted water poses serious health risks to the local population, including skin diseases and other health issues related to exposure to toxic chemicals. It is further alleged that despite previous warnings and reports, effective measures to curb the pollution have not been implemented.

The Hon'ble NGT, New Delhi impleaded the TGPCB as one of the respondents and transferred the OA to the Hon'ble NGT, Southern Zone, Chennai directing to submit reply listed the case on 25.11.2024 before the Hon'ble NGT, Chennai.

**In this regard, the following is submitted: -**

1. Saki tank, also known as Patanchakki tank and is located at Sy.No.615, Patancheru(V&M), Sangareddy district and ( 17°31'7.724"N 78°15'54.34"E) spread over in an area of 135 acres (full tank level area).
2. The tank is surrounded by Shantinagar colony, Sri Nagar colony & M/s. International Crop Research Institute for Semi-Arid Tropics (ICRISAT) on East side, bund followed by industries on West side (downstream of water body), Shanthinagar colony & NH-65 on North side and open lands on South side.
3. During the inspection on 20.11.2024, it was observed that no industries are located in the catchment area of the tank and no effluent is joining the tank as the industries are located downstream of the tank. M/s. Asian Paints, a major paint industry, which is a Zero Liquid Discharge unit and 2 No's of Ready Mix Concrete categorized under Green category are located in the downstream of the tank. It is also to submit that no pharmaceutical industries are located in the vicinity of the lake.
4. Residential colonies named Shantinagar Colony & Sri Nagar Colony are located in the catchment area of the tank and the HMWS&SB has provided box drain for preventing the sewage from entering the tank but still sewage is joining the tank from the South-East section of the upstream colonies leading to eutrophication of tank. Notice was issued to the General Manager (Engineering), HMWS&SB for taking necessary action to prevent the sewage from entering the tank. A copy of Notice is enclosed as **ANNEXURE-I**.

5. Dumping of Municipal Solid Waste (MSW) was also observed at the Nimajjan ghat provided at the tank. A notice was issued to the Deputy Municipal Commissioner, RC Puram for dumping the MSW at the tank. A copy of notice is enclosed as **ANNEXURE-II**.
6. The TGPCB has been monitoring the water quality of Saki tank every month under National Water Quality Monitoring Programme. As per the monthly water quality reports of the tank for the period Jan'2021 to Aug'2024, the water quality is falling under **Class-D** as per the CPCB Water Quality Criteria i.e., the water body is best suitable for Propagation of Wildlife and Fisheries. The monthly reports for the period Jan'2021 to Aug'2024 are enclosed as **ANNEXURE-III**.
7. As the industries are located in the downstream of the Lake and not in the catchment area of the Lake, there is no possibility for the industrial effluents to join the water body and the major source for eutrophication of Lake is sewage and surface run off from the upstream residential colonies.
8. As per the analysis reports for the period Jan'2021 to Aug'2024, the Dissolved Oxygen values were in the range of 5.2 mg/l to 7.2 mg/l, Chemical Oxygen Demand was in the range of 30 mg/l to 56 mg/l, Total Dissolved Solids was in the range of 460 mg/l to 716 mg/l, Biological Oxygen Demand was in the range of 2.7 mg/l to 7.0 mg/l. From these values, it is evident that no industrial effluents are joining the water body.

The untreated sewage entering from residential colonies (Shantinagar Colony and Srinagar Colony) from South-East direction located in the catchment area has to be diverted (or) treated in Sewage Treatment Plant (STP) before discharging into Sakhi Lake.

**Place: Hyderabad.**  
**Date: 21-11-2024.**

*C. Peela*  
**ENVIRONMENTAL ENGINEER**  
**Environmental Engineer**  
**T.C. Pollution Control Board**  
**Regional Office-1, SANGAREDDY**



**TELANGANA POLLUTION CONTROL BOARD**  
Regional Office – I: Sangareddy  
5-1-28, Shantinagar, Sangareddy – 502 001, Medak District.

Ph.No.08455-297799, 276795  
Email: ee- mdk1-tspcb@telangana.gov.in

**Notice No. 01/PCB/RO-I:SRD/W&A/2024- 834**

**Date: 20.11.2024**

**NOTICE**

**Sub:** PCB – RO-I, SRD – SUOMOTU OA No.1213 of 2024 before Hon'ble NGT, New Delhi against the pollution of Saki tank, Patancheru – Sewage joining the tank from the South-East section of the upstream colonies and Dumping of Municipal Solid Waste (MSW) at the Nimajjan ghat - Action requested - Reg.

**Ref:** 1. Original Application was registered Suo Motu by the Hon'ble NGT, Principal Bench, New Delhi vide OA No. 1213 of 2024 based on the News item titled "Sakhi lake under threat chokes on Pharma Waste" appearing in the Times of India dated 22.09.2024.  
2. Inspection of surrounding areas near the Sakhi lake on 20.11.2024.

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Adverting to the references cited above, it is to inform that, an Original Application was registered Suo Motu by the Hon'ble NGT, Principal Bench, New Delhi vide OA No. 1213 of 2024 based on the News item titled "Sakhi lake under threat chokes on Pharma Waste" appearing in the Times of India dated 22.09.2024.

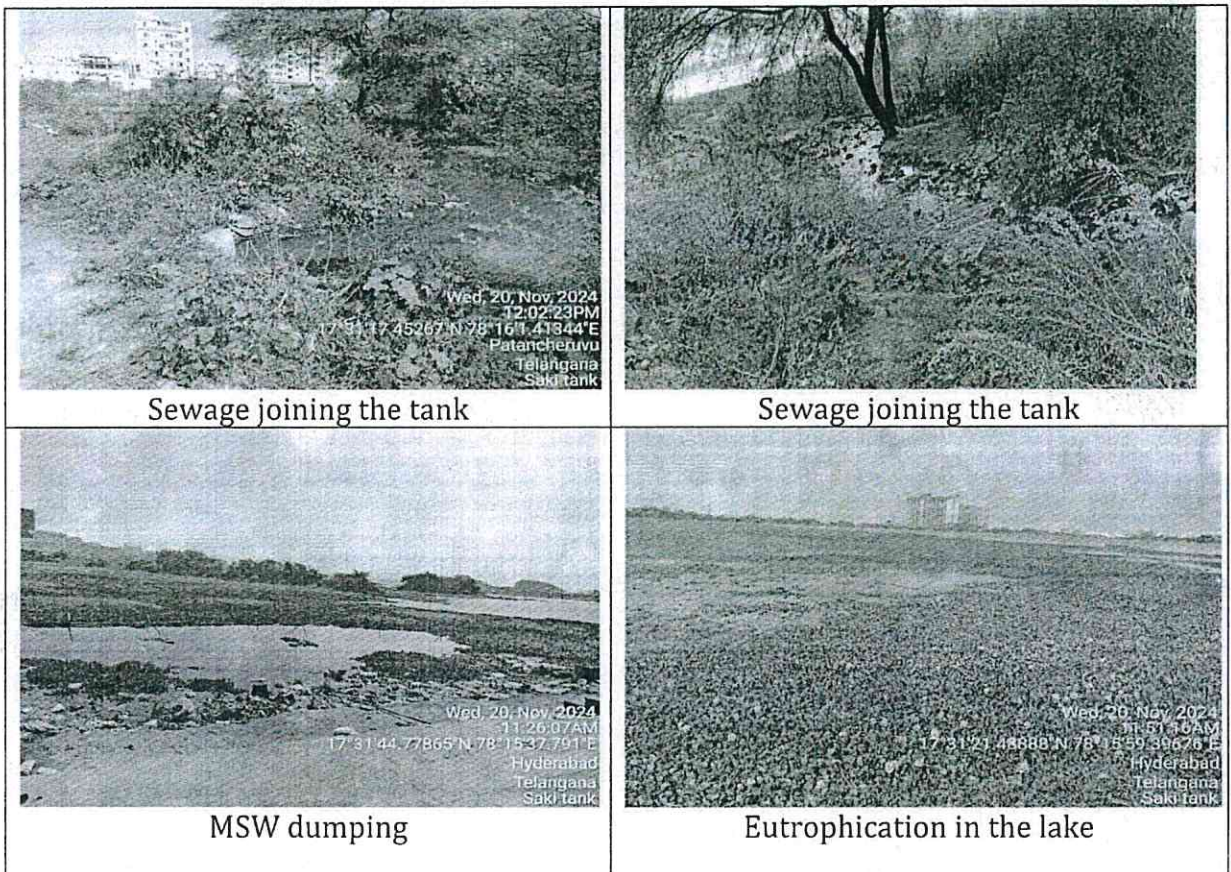
During the inspection on 20.11.2024, it was observed that no industries are located in the catchment area of the tank and no effluent is joining the saki tank as the industries are located downstream of the tank.

Residential colonies named Shantinagar colony & Sri Nagar Colony are located in the catchment area of the saki tank and the HMWS&SB has provided box drain for preventing the sewage from entering the tank but still sewage is joining the tank from the South-East section of the upstream colonies leading to eutrophication of tank. Dumping of Municipal Solid Waste (MSW) was also observed at the Nimajjan ghat provided at the tank.

The TGPCB is monitoring the water quality of Saki tank every month under National Water Quality Monitoring Programme. As per the water quality reports, the water quality is falling under Class-D as per the CPCB water quality criteria i.e., the water body is best suitable for propagation of wildlife and fisheries. Further, it is to inform that, the Hon'ble

NGT vide order dated 18.11.2020 in O.A. No 325/2015 has disposed the case with directions to restore the water bodies to bathing quality i.e. Class – B.

In view of the above, it is requested to take necessary action to divert the sewage entering the Saki tank from the South-East section of the upstream colonies so as to protect the tank from sewage contamination.



To  
The General Manager (Engineering)  
O&M, HMWS & SB, Division XVII,  
Hafeezpet, Rangareddy District.

  
ENVIRONMENTAL ENGINEER  
Environmental Engineer  
T.G. Pollution Control Board  
Regional Office-1, SANGAREDDY

Copy submitted to the JCEE, TGPCB, Zonal Office, R.C.Puram for kind information.



**TELANGANA POLLUTION CONTROL BOARD**  
Regional Office – I: Sangareddy  
5-1-28, Shantinagar, Sangareddy – 502 001, Medak District.

Ph.No.08455-297799, 276795  
Email: ee- mdk1-tspcb@telangana.gov.in

**Notice No. 01/PCB/RO-I:SRD/W&A/2024- 833**

**Date: 20.11.2024**

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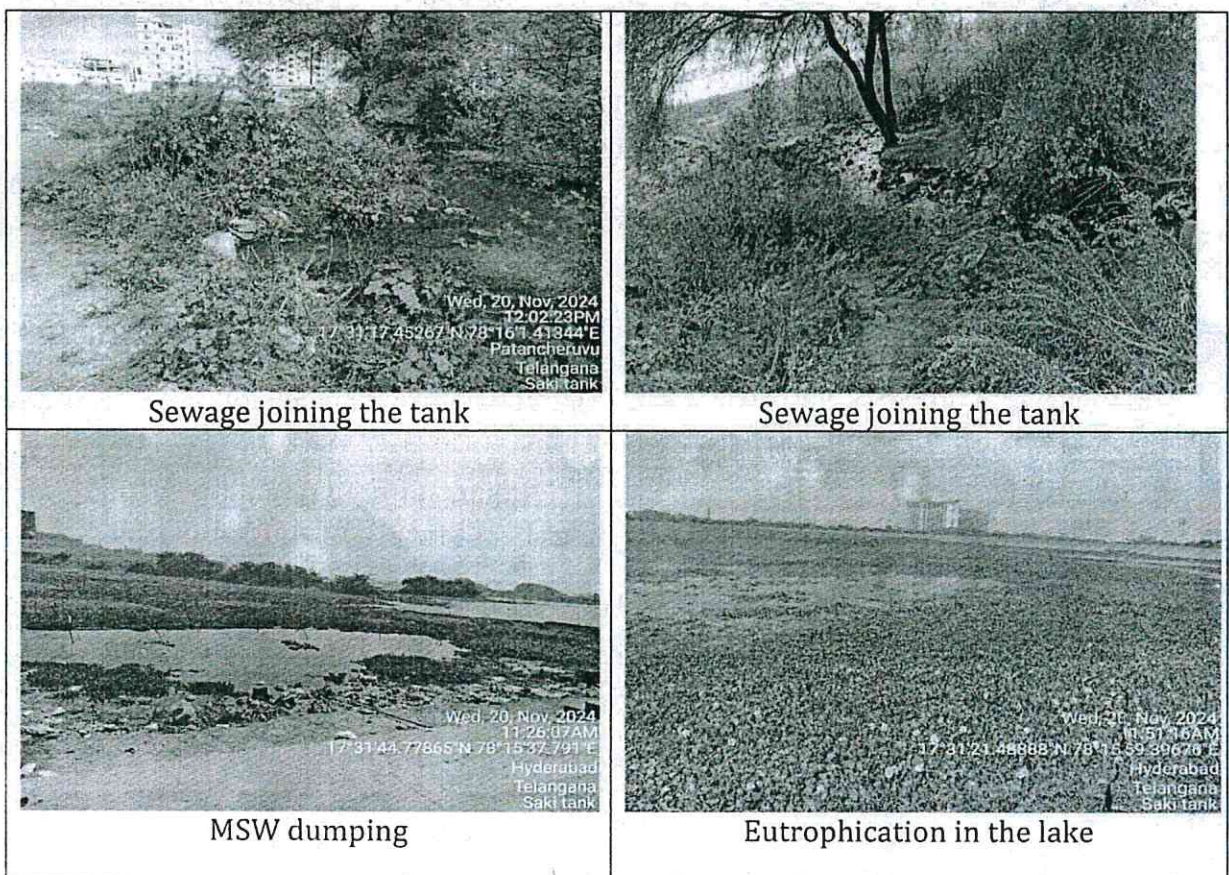
Residential colonies named Shantinagar colony & Sri Nagar Colony are located in the catchment area of the tank and the HMWS&SB has provided box drain for preventing the sewage from entering the tank but still sewage is joining the tank from the South-East section of the upstream colonies leading to eutrophication of tank. Dumping of Municipal Solid Waste (MSW) was also observed at the Nimajjan ghat provided at the tank.

The TGPCB is monitoring the water quality of Saki tank every month under National Water Quality Monitoring Programme. As per the water quality reports, the water quality is falling under Class-D as per the CPCB water quality criteria i.e., the water body is best

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suitable for propagation of wildlife and fisheries. Further, it is to inform that, the Hon'ble NGT vide order dated 18.11.2020 in O.A. No 325/2015 has disposed the case with directions to restore the water bodies to bathing quality i.e. Class - B.

In view of the above, it is requested to take necessary action to divert the sewage by providing I & D structures at the inlets of the Saki tank so as to protect the lakes from sewage contamination and also protect the tank from dumping of Municipal solid waste and C & D waste.



To  
The Deputy Municipal Commissioner,  
Serilingampally Zone, RC Puram,  
Patancheru, Sangareddy.

*Cheel's*  
ENVIRONMENTAL ENGINEER  
Environmental Engineer  
T.G. Pollution Control Board  
Regional Office-1, SANGAREDDY

Copy submitted to the JCEE, TGPCB, Zonal Office, R.C.Puram for kind information.



**TELANGANA POLLUTION CONTROL BOARD**  
**ZONAL LABORATORY: R.C.PURAM**  
 25-35/11, Tulasi Reddy Complex, R.C.Puram, Sangareddy District.

**ANALYSIS REPORT**

3086 - Saki Tank												
Parameters	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
DO (mg/L)	6.5	6.1	6.2	5.6	5.4	5.2	5.5	5.7	6.2	6.5	6.2	6.6
pH	7.06	7.44	7.48	6.8	7.25	7.38	6.87	7.38	7.2	7.17	7.03	7.09
Conductivity (mS/cm)	859	973	890	935	1018	1135	1078	1133	1180	868	1020	1118
BOD (mg/L)	4.5	5	6	6.2	6	5.5	4	3.5	4	3.2	3	4
Nitrate	6	10	8	7	8	9	10	10	11	14	11	9
Nitrite-N (mg/L)	0.16	0.18	0.16	0.17	0.18	0.16	0.13	0.12	0.1	0.08	0.1	0.12
Fecal Coliform (MPN/100ml)	8	6	8.3	8.1	9.2	8.3	6.8	6.1	5.5	6	10	11
Total Coliform (MPN/100ml)	47	41	38	41	48	47	43	38	40	34	39	43
Faecal streptococci	6	5.5	4	6	8.1	6	6.1	4	3.6	4	5.6	6.1
Saprobity index	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA
Diversity index	NA	NA	NA	0.62	NA	NA	NA	NA	NA	NA	NA	NA
P/R Ratio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (NTU)	12	13	10	12	14	15	13	14	13	15	17	14
Phen-Alk. (mg/L)	20	24	28	16	24	24	16	20	24	28	36	32
Total Alk. (mg/L)	198	224	244	256	268	244	224	216	220	180	214	216
Chloride (mg/L)	84	80	88	112	118	138	132	124	126	94	126	134
COD (mg/L)	42	46	50	52	55	56	40	36	30	26	34	36
TKN (mg/L)	7.8	7.2	9	9.8	10.1	10.1	7.3	6.7	5.0	4.5	6.2	6.7
Free Ammonia (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hardness (mg/L)	250	264	292	320	338	340	344	330	332	268	320	336
Calcium (mg/L)	64	56	58	62	66	72	68	66	68	51	62	66
Magnesium (mg/L)	22	30	36	40	42	39	42	40	40	34	40	42
Sulphate (mg/L)	13	9	16	15	17	14	10	13	15	10	10	17
Sodium (mg/L)	20	21	22	28	30	37	37	34	37	27	38	39
TDS (mg/L)	486	553	520	558	629	644	638	640	672	492	580	636
TFS (mg/L)	354	383	366	382	472	461	444	491	477	337	402	454
TSS (mg/L)	11	13	15	17	16	17	14	15	13	15	17	14
Total Phosphate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ortho Phosphate (mg/L)	0.15	0.11	0.12	0.13	0.16	0.2	0.18	0.12	0.14	0.13	0.12	0.15
Boron (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Potassium (mg/L)	4	4	5	7	6	7	5	7	6	6	7	6
Fluoride (mg/L)	0.19	0.24	0.22	0.24	0.26	0.28	0.17	0.21	0.2	0.48	0.42	0.44
% Sodium	14.55	14.55	13.79	15.66	15.91	18.62	18.75	17.95	19.06	17.58	20.12	19.74
SAR	0.55	0.56	0.56	0.68	0.71	0.87	0.87	0.82	0.88	0.72	0.93	0.92
Class of water body as per CPCB Water Quality Criteria	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'

NA - Not Analysed

BDL - Below Detectable Limit.

Note: Data extracted from NWMP (National Water Quality Monitoring Programme) under CPCB.

*[Signature]*  
 SENIOR ENVIRONMENTAL SCIENTIST

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**TELANGANA POLLUTION CONTROL BOARD**  
**ZONAL LABORATORY: R.C.PURAM**  
 25-35/11, Tulasi Reddy Complex, R.C.Puram, Sangareddy District.

**ANALYSIS REPORT**

3086 - Saki Tank												
Parameters	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
DO (mg/L)	6.9	6.7	6.5	6.2	5.9	5.7	6.2	6.4	6.5	6.1	6.9	6.5
pH	7.68	7.78	7.69	7.15	7.9	7.59	7.62	7.6	8.08	7.64	7.23	7.32
Conductivity (mS/cm)	923	970	985	1256	1247	1165	893	876	872	874	751	723
BOD (mg/L)	3.4	2.7	3.0	4.0	4.4	3.8	3.2	3.0	3.0	3.0	3.0	3.2
Nitrate	11	5	5	5	6	6	6	5	5	4	8	9
Nitrite-N (mg/L)	0.09	0.07	0.06	0.09	0.10	0.14	0.17	0.16	0.15	0.08	0.09	0.09
Fecal Coliform (MPN/100ml)	9.2	10	12	15	13	17	12	6.1	6	6.1	5.9	5.9
Total Coliform (MPN/100ml)	41	38	40	47	48	58	41	43	40	41	41	41
Faecal streptococci	7.8	6.8	6.3	9.2	8.3	11	7.8	6.1	6	6	5.6	6
Saprobity index	NA	NA	NA	6.4	NA	NA	NA	NA	NA	NA	NA	NA
Diversity index	NA	NA	NA	0.62	NA	NA	NA	NA	NA	NA	NA	NA
P/R Ratio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (NTU)	34	14	12	13	14	15	18	16	15	10	15	3
Phen-Alk. (mg/L)	28	24	16	20	32	32	28	28	25	18	24	20
Total Alk. (mg/L)	216	184	212	220	236	204	180	188	196	200	150	170
Chloride (mg/L)	124	124	136	148	138	114	86	118	117	148	76	85
COD (mg/L)	32	30	33	36	40	35	31	34	30	30	36	38
TKN (mg/L)	5.6	5.6	6.2	7.2	7.3	6.7	5.6	6.2	6.2	8	22	16
Free Ammonia (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hardness (mg/L)	332	296	336	364	364	304	268	276	270	260	190	248
Calcium (mg/L)	60	56	63	70	76	62	55	56	52	68	44	56
Magnesium (mg/L)	44	38	43	46	42	36	32	33	34	22	19	26
Sulphate (mg/L)	17	13	14	15	17	15	14	66	60	10	56	66
Sodium (mg/L)	37	33	36	37	39	34	20	22	20	23	34	40
TDS (mg/L)	528	548	559	716	702	671	564	552	506	568	460	457
TFS (mg/L)	338	367	374	518	504	489	381	342	314	403	327	325
TSS (mg/L)	10	11	12	13	12	13	15	13	10	4	6	5
Total Phosphate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ortho Phosphate (mg/L)	0.17	0.16	0.14	0.15	0.16	0.17	0.16	0.18	0.17	0.15	0.12	0.13
Boron (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Potassium (mg/L)	5	7	8	5	6	5	4	5	4	5	2	2.1
Fluoride (mg/L)	0.4	0.42	0.4	0.42	0.45	0.43	0.4	0.36	0.32	0.32	0.24	0.25
% Sodium	19.28	19.06	18.54	17.89	18.65	19.31	13.71	14.34	13.58	15.72	34.04	32.33
SAR	0.89	0.83	0.86	0.84	0.89	0.85	0.53	0.57	0.43	0.48	0.98	1.02
Class of water body as per CPCB Water Quality Criteria	'D'	'B'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'

NA - Not Analysed

BDL - Below Detectable Limit.

Note: Data extracted from NWMP (National Water Quality Monitoring Programme) under CPCB.

*Meetha*  
 SENIOR ENVIRONMENTAL SCIENTIST



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**TELANGANA POLLUTION CONTROL BOARD**  
**ZONAL LABORATORY: R.C.PURAM**  
25-35/11, Tulasi Reddy Complex, R.C.Puram, Sangareddy District.

**ANALYSIS REPORT**

3086 - Saki Tank												
Parameters	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
DO (mg/L)	6.8	7.1	6.9	7.0	6.1	6.2	6.3	6.1	6.3	6.2	6.6	6.9
pH	7.28	8.38	8.12	8.4	8.26	8.12	8.06	7.95	7.81	7.34	7.21	8.32
Conductivity (mS/cm)	768	818	956	902	1008	1026	925	906	826	796	816	830
BOD (mg/L)	3.2	3.6	3.8	3.6	3.8	3.9	3.0	3.5	3.0	3.2	3.1	3.0
Nitrate	20	22	22	20	25	26	33	30	25	22	24	28
Nitrite-N (mg/L)	0.09	0.08	0.09	0.1	0.08	0.09	0.1	0.09	0.1	0.09	0.09	0.09
Fecal Coliform (MPN/100ml)	5.9	6.1	6.8	6.1	6.8	7.8	6.8	6.1	6	6.1	6	6
Total Coliform (MPN/100ml)	41	43	47	43	43	47	43	41	41	43	41	40
Faecal streptococci	5.6	5.5	5.6	5.6	5.6	6	5.6	5.5	5.6	5.6	5.5	5.6
Saprobity index	NA	NA	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA
Diversity index	NA	NA	NA	0.64	NA	NA	NA	NA	NA	NA	NA	NA
P/R Ratio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (NTU)	3.7	4.0	4.2	4.1	4.1	4.0	4.2	4.0	4.1	3.5	4.2	3.8
Phen-Alk. (mg/L)	24	28	24	24	24	28	24	20	16	12	14	16
Total Alk. (mg/L)	150	155	170	165	170	175	170	165	170	165	180	185
Chloride (mg/L)	91	96	101	98	120	130	128	125	131	118	120	115
COD (mg/L)	36	40	44	42	44	40	48	44	35	36	38	40
TKN (mg/L)	29	36	38	36	38	32	12	16	12	10	12	12
Free Ammonia (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA
Hardness (mg/L)	205	210	255	230	270	290	270	270	260	230	235	260
Calcium Hardness (mg/L)	115	130	150	140	150	160	150	165	150	140	150	160
Magnesium Hardness (mg/L)	90	80	105	90	120	130	120	105	110	90	85	100
Calcium (mg/L)	46	52	60	56	60	64	60	66	60	56	60	64
Magnesium (mg/L)	21.87	19	26	22	29	32	29	26	26	22	21	24
Sulphate (mg/L)	54	58	72	68	61	62	52	40	34	32	31	35
Sodium (mg/L)	34	39	32	28	30	32	31	25	28	24	29	26
TDS (mg/L)	460	502	593	541	605	626	508	507	512	478	481	506
TFS (mg/L)	320	336	421	379	423	382	356	355	358	339	342	359
TSS (mg/L)	6	7	8	7	8	9	9	8	7	6	7	8
Total Phosphate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ortho Phosphate (mg/L)	0.12	0.1	0.11	0.12	0.14	0.13	0.13	0.11	0.13	0.11	0.12	0.13
Boron (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Potassium (mg/L)	2	3	4	3	7	7.2	7	6.8	7.6	6.5	7.9	7.5
Fluoride (mg/L)	0.25	0.28	0.30	0.29	0.31	0.12	0.35	0.36	0.37	0.32	0.35	0.36
% Sodium	32.82	33.70	25.81	25.20	23.17	23.15	19.41	16.16	18.51	17.86	20.29	17.33
SAR	0.96	1.03	0.78	0.71	0.72	0.74	0.77	0.59	0.69	0.54	0.72	0.62
Class of water body as per CPCB Water Quality Criteria	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'

NA - Not Analysed

BDL - Below Detectable Limit.

Note: Data extracted from NWMP (National Water Quality Monitoring Programme) under CPCB.

  
SENIOR ENVIRONMENTAL SCIENTIST



**TELANGANA POLLUTION CONTROL BOARD**  
**ZONAL LABORATORY: R.C.PURAM**  
 25-35/11, Tulasi Reddy Complex, R.C.Puram, Sangareddy District.

**ANALYSIS REPORT**

3086 - Saki Tank								
Parameters	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24
DO (mg/L)	6.8	6.9	6.8	7.2	6.9	6.8	6.2	6.6
pH	8.15	8.23	8.14	7.94	7.62	7.58	7.5	7.59
Conductivity (mS/cm)	845	961	856	1164	1121	1205	1025	1106
BOD (mg/L)	3.4	3.6	3.5	3.4	3.8	3.6	4	3.6
Nitrate	32	33	34	38	32	30	32	28
Nitrite-N (mg/L)	0.08	0.07	0.06	0.1	0.14	0.13	0.11	0.19
Fecal Coliform (MPN/100ml)	6	6.1	6.8	7.2	7.2	6.8	5.5	4.5
Total Coliform (MPN/100ml)	41	43	48	47	43	47	44	41
Faecal streptococci	5.5	5.5	5.6	5.5	6	4.5	3.6	2
Saprobity index	NA	NA	NA	6.6	NA	NA	NA	NA
Diversity index	NA	NA	NA	0.65	NA	NA	NA	NA
P/R Ratio	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity (NTU)	3.9	3.8	3.9	4.2	4.5	4	4.2	6.3
Phen-Alk. (mg/L)	18	20	22	26	24	20	24	28
Total Alk. (mg/L)	188	190	196	276	280	272	204	220
Chloride (mg/L)	119	125	121	140	145	140	130	126
COD (mg/L)	45	43	40	39	42	40	44	39
TKN (mg/L)	12	12	10	8	7	5	6	5
Free Ammonia (mg/L)	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Hardness (mg/L)	280	320	335	410	390	356	384	276
Calcium Hardness (mg/L)	170	190	195	240	235	224	240	176
Magnesium Hardness (mg/L)	110	130	140	170	155	132	144	100
Calcium (mg/L)	68	76	78	96	94	90	72	70
Magnesium (mg/L)	27	32	34	41	38	32	20	25
Sulphate (mg/L)	44	46	49	51	46	40	40	42
Sodium (mg/L)	28	35	39	61	69	60	60	55
TDS (mg/L)	515	586	522	640	684	700	620	670
TFS (mg/L)	361	416	366	455	479	440	416	410
TSS (mg/L)	8	8	7	9	8	6	9	6
Total Phosphate (mg/L)	NA	NA	NA	NA	NA	NA	NA	NA
Ortho Phosphate (mg/L)	0.14	0.15	0.14	0.11	0.14	0.12	0.10	0.14
Boron (mg/L)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Potassium (mg/L)	7.2	7.3	7.9	8.7	8.9	8.6	8	8.5
Fluoride (mg/L)	0.37	0.38	0.41	0.39	0.32	0.29	0.28	0.2
% Sodium	17.26	18.61	19.65	23.91	27.04	26.10	25.94	29.19
SAR	0.65	0.77	0.85	1.20	1.37	1.21	1.42	1.43
Class of water body as per CPCB Water Quality Criteria	'D'	'D'	'D'	'D'	'D'	'D'	'D'	'D'

NA - Not Analysed  
 BDL - Below Detectable Limit.

Note: Data extracted from NWMP (National Water Quality Monitoring Programme) under CPCB.

*[Signature]*  
 SENIOR ENVIRONMENTAL SCIENTIST



Sewage joining the tank



Sewage joining the tank



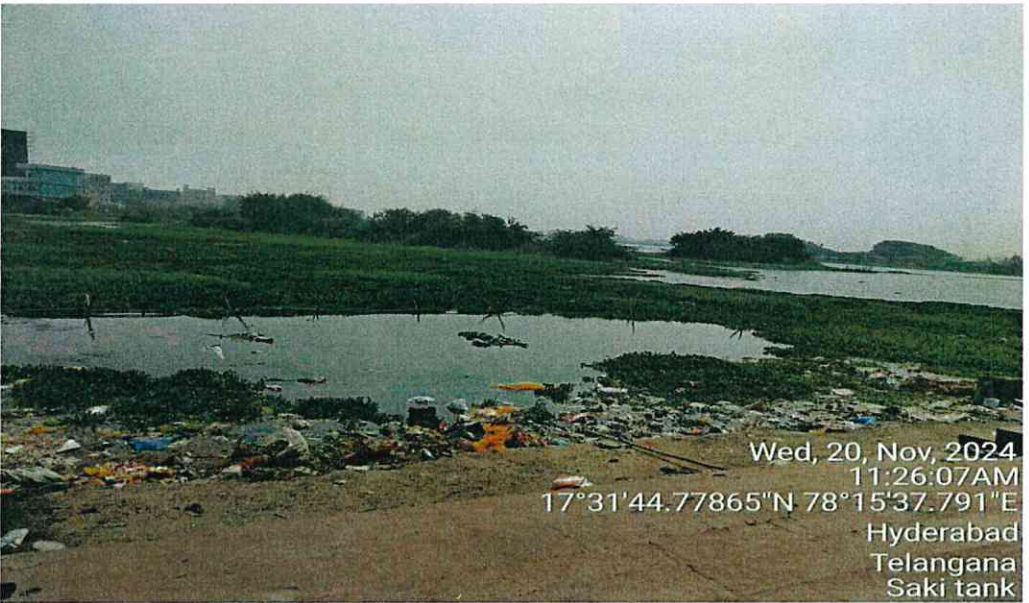
Box drain provided for diverting the sewage from upstream colonies



Eutrophication in the lake



Saki tank



MSW dumped at the Nimajjan Ghat of the tank

Item No. 04

Court No. 1

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

Original Application No. 1213/2024

News Item titled "Sakhi lake under threat chokes on pharma waste" appearing in the Times of India dated 22.09.2024.

Date of hearing: 03.10.2024

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON  
HON'BLE MR. JUSTICE ARUN KUMAR TYAGI, JUDICIAL MEMBER  
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

**ORDER**

1. This original application is registered *suo motu* on the basis of the news item titled "Sakhi Lake under threat chokes on pharma waste" appearing in 'the Times of India' dated 22.09.2024.

2. The news item relates to the alarming pollution levels at Sakhi Lake in Hyderabad, primarily due to the discharge of pharmaceutical waste from nearby industries. As per the article, the lake has been contaminated by untreated pharmaceutical waste, which has led to a significant decline in water quality. This pollution is primarily attributed to nearby pharmaceutical industries that discharge their waste into the lake. The news item further highlights that the contamination has resulted in the death of aquatic life and has made the water unsafe for human use. The lake, once a source of water for local communities, is now heavily polluted. The polluted water poses serious health risks to the local population, including skin diseases and other health issues related to exposure to toxic chemicals. It is further alleged that despite previous warnings and reports, effective measures to curb the pollution have not been implemented.

3. The news item raises substantial issue relating to compliance of the environmental norms.
4. Power of the Tribunal to take up the matter *suo-motu* has been recognized by the Hon'ble Supreme Court in the matter of "*Municipal Corporation of Greater Mumbai vs. Ankita Sinha & Ors.*" reported in 2021 SCC Online SC 897.
5. Hence, we implead the following as respondents in the matter:
  - (1). Telangana State Pollution Control Board, Through its Member Secretary, Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500018.
  - (2). Central Pollution Control Board, Through its Member Secretary, Parivesh Bhawan, East Arjun Nagar, Delhi- 110032.
  - (3). Ministry of Environment, Forest and Climate Change, Through its Regional Office, MoEF&CC, Regional Office (SEZ), 1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 600034.
  - (4). District Magistrate (Hyderabad), Collector Office, 6-2-10, Lakdikapul, Hyderabad - 500004
6. Issue notice to the above respondents for filing their response/reply by way of affidavit before the Southern Zonal Bench of the Tribunal at least one week before the next date of hearing. If any respondent directly files the reply without routing it through his advocate, then the said respondent will remain virtually present to assist the Tribunal.

7. Since the matter falls within the jurisdiction of Southern Zonal Bench of the Tribunal, therefore, the OA is transferred to the Southern Zonal Bench, Chennai for appropriate further action. Let the original record of the OA be transferred to Southern Zonal Bench, Chennai.

8. List before Southern Zonal Bench at Chennai on 25.11.2024.

Prakash Shrivastava, CP

Arun Kumar Tyagi, JM

Dr. A. Senthil Vel, EM

October 03, 2024  
Original Application No. 1213/2024  
dv..