BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

ORIGINAL APPLICATION No. 204 OF 2024 (SZ)
[Earlier, OA No. 532 of 2024 (PB)]

IN THE MATTER OF:

Suo Motu based on the news item appearing in 'The Hindu' dated 19.03.2024 titled, **"Report on water bodies in Hyderabad presents grim picture: HC".**

With

Central Pollution Control Board
Through its Member Secretary
New Delhi and Ors. ...Respondent(s)

REPORT OF THE TELANGANA POLLUTION CONTROL BOARD (R2)

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Place: Hyderabad

Date: 13-09-2024.

COUNSEL FOR RESPONDENT No. 2

REPORT OF THE TELANGANA POLLUTION CONTROL BOARD (TGPCB), IN OA NO. 204/2024 (SZ) (Earlier OA No.532/2024 (PB) TAKEN UP BY HON'BLE NGT ON THE NEWS ITEM TITLED "REPORT ON WATER BODIES IN HYDERABAD PRESENTS GRIM PICTURES: HC, " APPEARED IN THE HINDU DATED:19.03.2024

This report is submitted in respectful compliance received from Consultant Judicial, Hon'ble NGT, New Delhi in Suo Motu OA No.532 of 2024 on the news item titled " Report on Water Bodies in Hyderabad presents grim pictures: HC" appearing in the Hindu dated:19.03.2024. Hon'ble NGT, New Delhi heard the matter on 15.05.2024 and transferred to Hon'ble NGT, Chennai. The said case is registered and renumbered as O.A.No.204/2024 in Southern Zone Bench, NGT Chennai.

In this regard, it is to submit that, 6 Nos. of Lakes are located in Rangareddy District and 7 Nos of Lakes out of 13 lakes listed in the matter are located in the Medchal-Malkajgiri District.

Accordingly, the Board Officials inspected the said 13 No's of lakes on 03.07.2024, 06.07.2024, 15.07.2024 & 16.07.2024 for verifying the status:

1. Durgam Cheruvu, Raidurg (V), Sherilingampally (M), Rangareddy District
2. Medikunta (Wipro Lake), Nanakramkunta (V), Sherilingampally (M), Rangareddy District
3. Gosai Kunta (Gowlidoddi cheruvu), Gopanpally (V),Sherilingampally(M), Rangareddy District
4. Pedda Cheruvu (Nallagandla Cheruvu), Nallagandla (V), Sherilingampally(M), Rangareddy District
5. Gangaram Pedda Cheruvu, Gangaram(V), Serlingampally (M), Rangareddy District
6. Bairamalguda Cheruvu, Bairamalguda (V), Saroornagar(M), Rangareddy District
7. Nalla Cheruvu, Uppal (V & M), Medchal-Malkajgiri District
8. Pedda Cheruvu (Pedda Cheruvu, Peerzadiguda), Peerzadiguda (V), Uppal (M), Medchal-Malkajgiri District
9. Sunnam Cheruvu, Allapur Village, Kukatpally Mandal, Medchal-Malkajgiri District.

10. Chinadamara Cheruvu, Gandimaisamma Village, Dundigal Manadal, Medchal-Malkajgiri District.
11. Chinarayuni Cheruvu, Alwal Village and Mandal, Medchal-Malkajgiri District.
12. Boin Cheruvu, Hasmathpet Village, Balanagar Mandal, Medchal-Malkajgiri District.
13. Ambeer Cheruvu, Kukatpally Village and Mandal, Medchal-Malkajgiri District.

The detailed lake wise status report is submitted and follows:

1. Durgam Cheruvu, Raidurg(V), Sherilingampally(M), Rangareddy District

- The Board officials have inspected the Durgam cheruvu lake and its surroundings on 03.07.2024.
- Durgam Cheruvu, also known as Raidurgam Cheruvu located in Madhapur (Raidurgam) Village, Serilingampally mandal, Rangareddy district, Telangana, India(17°25'47.2"N 78°23'22.1"E).
- The lake is surrounded by North: Residential area, South: Open low lying lands, East: Hill rocks & Residential area and West: Hill rocks & Commercial buildings.

Satellite Image of the Durgam Cheruvu:

Details of feeder channels to the lake:

1. The lake is fed by 1 No of Storm water drain joining in to the lake from North direction passing between habitation developed area and 6 No of storm water passages from the surrounding hillock area indicating flow during rains. (Google Map showing Nala in Red color and Storm water drain passages Pinned in yellow color is placed above). During inspection all drain lines are dry in condition.
2. The HMWS & SB, Govt of Telangana has constructed 2 Nos of Sewage Treatment Plants (STPs). Treatment Plants (STPs) of capacity 5 MLD established in the year 2007 & the other STP of capacity 7 MLD established in the year 2023 located in the North side of the lake for treatment of sewage generated on the upstream of the lake. The treated water is connected to lake through pipeline.

3. In addition to the STPs, a diversion line has laid with 900 mm pipe for diversion of excess sewage received to STP during the rains which is connected up to Malkamcheruvu Raidurgam.
4. During inspection, no other sewage disposals into the lake were observed and storm water passages from the hill rock area were also observed in dry condition.

Water Quality of Durgam Cheruvu:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I).**
2. The TSPCB is collecting the samples from the Durgam cheruvu on monthly basis as part of National Water Monitoring Program (NWMP) and under 14 lake monitoring program.
3. The analysis results for the period from September 2023 to April 2024 are annexed as **ANNEXURE-II.**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April, 2024	8.06	1127	1.1	5.8	350	--	0.5	**E**
March, 2024	7.43	1364	1.2	5.8	430	--	0.5	**E**
Feb, 2024	7.79	1203	4.2	7	540	--	0.5	**D**
Jan,2024	7.58	1162	0.3	6.4	350	--	0.5	**E**
Dec, 2023	7.20	1020	0.3	6.4	430	--	0.5	**E**
Nov, 2023	6.95	930	0.3	6.8	430	--	0.5	**E**
Oct, 2023	7.98	812	3.2	4	430	--	0.5	**E**
Sep, 2023	6.86	791	3.8	2.4	280	--	0.5	**E**

- As per CPCB water quality criteria classification, the lake (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of Durgam Cheruvu

Durgam Cheruvu Lake

Durgam Cheruvu Lake

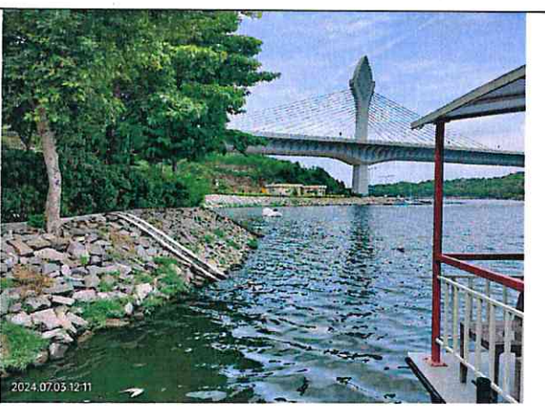
Durgam Cheruvu interception and diversion structure

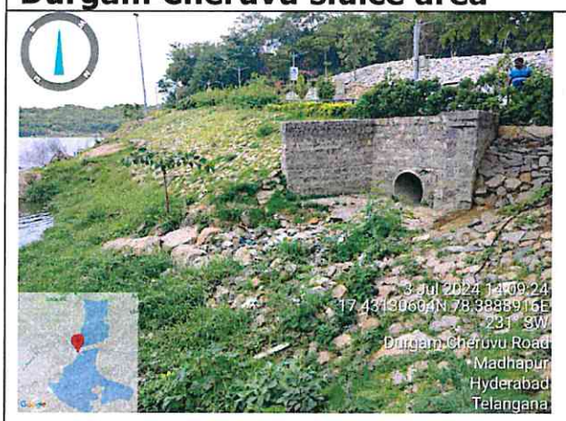
Durgam Cheruvu interception and diversion structure

Durgam Cheruvu storm water drain inlets

Durgam Cheruvu storm water drain inlets

Durgam Cheruvu sluice area





Durgam Cheruvu storm water drain inlets

Durgam Cheruvu storm water drain inlets

- **Both STPs are fully functional and relevant photographs are submitted below:**

Durgam Cheruvu STP aeration tanks

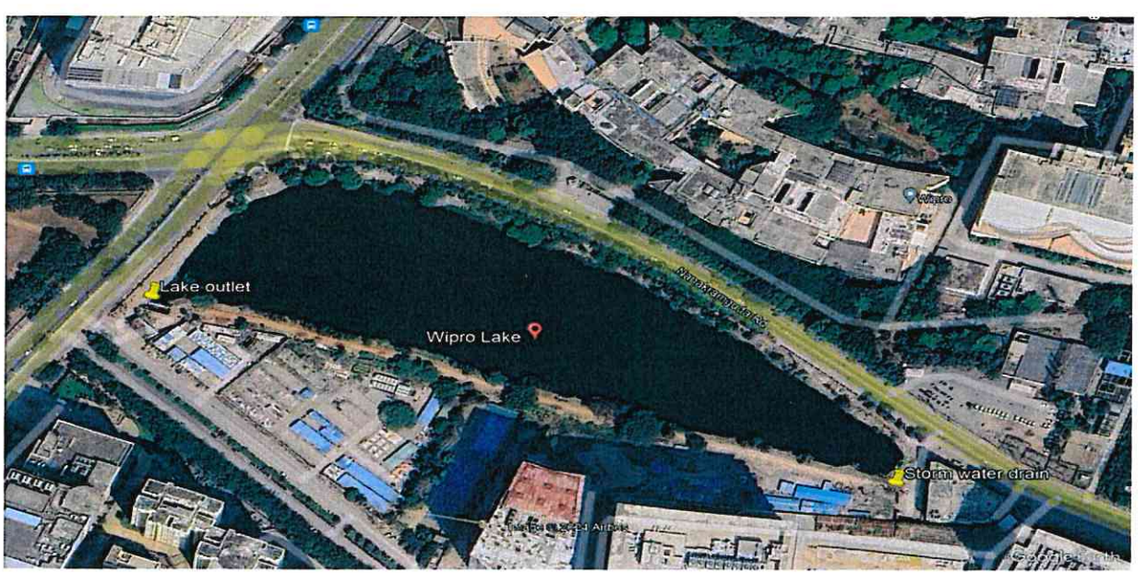
Durgam Cheruvu STP aeration tanks

Durgam Cheruvu STP treated water

. **Medikunta (Wipro Lake), Nanakramguda (V), Sherilingampally (M), Rangareddy District**

- The Board official visited the Medikunta, Nanakramguda (Wipro Lake) lake and its surroundings on 15.07.2024.
  This lake is located in Nanakramguda Village, Serilingampally mandal, Rangareddy district, Telangana, India (17.4249932, 78.3409441).
- The lake is surrounded by North: Wipro circle – Nanakramguda Road, South: Commercial office spaces, East: Commercial office spaces & West: Wipro circle - ISB Road.

Satellite Image of the* Medikunta (Wipro Lake)*:



Details of feeder channels to the lake:

1. The lake is connected with one No of storm water drain joining in to the lake in South-East direction. During inspection the storm water drain is in dry condition.
2. Google Map showing Storm water drain inlets & outlet are pinned in yellow color
3. During inspection, no other sewage was observed to be joining into the lake.

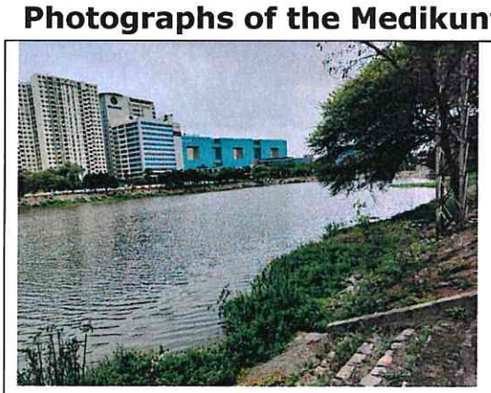
Water Quality of Medikunta (Wipro Lake):

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**
2. The TSPCB is collecting the samples from the Medikunta (Wipro Lake) on monthly basis under National Water Monitoring Program (NWMP) & under other 14 lakes monitoring program.
3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April, 2024	7.69	1013	0.3	8.4	350	--	0.5	**E**
March, 2024	7.23	1020	0.3	14	280	--	0.5	**E**
Feb, 2024	7.63	1022	3.7	4	430	--	0.5	**E**
Jan,2024	7.44	968	2.2	5.2	350	--	0.5	**E**
Dec, 2023	7.56	902	2.8	4	240	--	0.5	**E**
Nov, 2023	7.24	861	5.8	1.4	430	--	0.5	**B**
Oct, 2023	7.28	788	2.0	3.8	430	--	0.6	**E**
Sep, 2023	6.85	729	2.8	3	350	--	0.5	**E**

- As per the latest water quality data, the classification of the lake (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under ***Class-E*** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of the Medikunta (Wipro Lake)



Medikunta (Wipro Lake)

Medikunta (Wipro Lake)

	
Medikunta (Wipro Lake)	**Medikunta (Wipro Lake) walking track**

3. <u>Gosai Kunta (Gowlidoddi cheruvu), Gopanpally (V), Sherilingampally(M), Rangareddy District</u>

The Board officials have visited the Gosai Kunta and its surroundings on 15.07.2024. The observations made during the inspections and remarks on water quality of Gosai Kunta is as follows:

Gosai Kunta also known as Gowlidoddi cheruvu, located in Gowlidoddi Village, Serilingampally mandal, Rangareddy district, Telangana, India (17.4249966, 78.3240157).

The lake is surrounded by North: Residential houses, South: Open land, East: Residential houses & West: Open land.

Satellite Image of the* Gosai Kunta*:

Details of feeder channels to the lake:

The lake is fed by 1 No of storm water drain coming in the South-West direction of the lake (Google Map showing Storm water drain inlets is pinned in yellow color).

During inspection, no sewage disposal into the cheruvu was observed and thin flow of rain water observed in storm water drain into the cheruvu.

Water Quality of Gosai Kunta*:*

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**

2. The TSPCB is collecting the samples from the Gosai Kunta (Gowlidoddi lake) on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.

3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II**

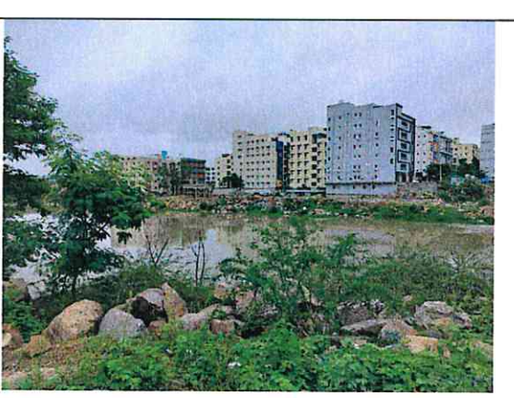
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

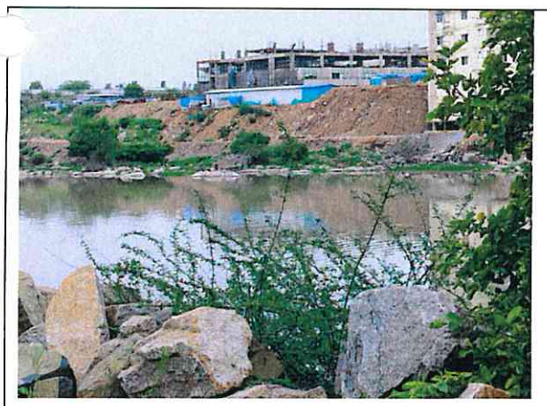
➢ As per the latest water quality data, the classification of the lake (As per

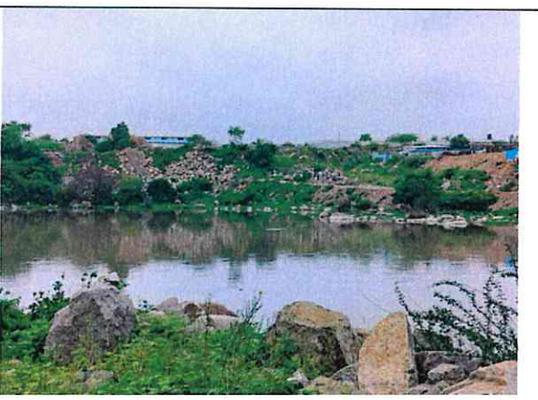
Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100 ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April, 2024	7.93	1284	0.3	8	430	--	0.5	**E**
March, 2024	7.53	1918	0.3	10	430	--	0.5	**E**
Feb, 2024	7.80	1714	0.3	18	920	--	0.6	**E**
Jan,2024	7.82	1584	0.3	6	920	--	0.5	**E**
Dec, 2023	7.38	1860	0.3	12	540	--	0.5	**E**
Nov, 2023	7.13	1615	0.3	6.8	540	--	0.5	**E**
Oct, 2023	7.13	1238	0.3	8	350	--	0.5	**E**
Sep, 2023	7.17	1338	1.2	8.0	47	--	0.5	**E**

CPCB Water quality criteria class-**ANNEXURE-I)** comes under ***Class-E*** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of Gosai Kunta







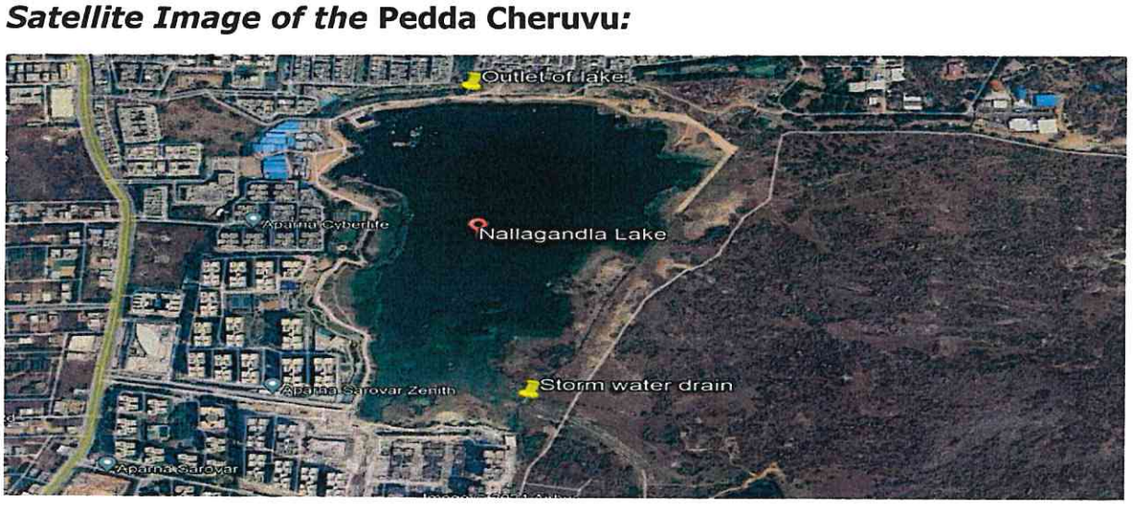
4. **<u>Pedda Cheruvu, Nallagandla (Nallagandla Cheruvu), Nallagandla (V), Sherilingampally(M), Rangareddy District</u>**

The Board officials have visited the Pedda Cheruvu, Nallagandla lake and its surroundings on 15.07.2024. The observations made during the inspections and remarks on water quality of Pedda Cheruvu, Nallagandla is as follows:

Pedda Cheruvu, Nallagandla, also known as Nallagandla cheruvu, located in Nallagandla Village, Serilingampally mandal, Rangareddy district, Telangana, India(17.467991, 78.315316).

The lake is surrounded by North: Residential colony, South: Residential apartments & HCU, East: Hyderabad central university (HCU) & West: Residential apartments.

Satellite Image of the* Pedda Cheruvu*:



Details of feeder channels to the lake:

The lake is fed by 1 No of storm water drain coming in the South-East direction of the lake (Google Map showing Storm water drain inlets & outlets are pinned in yellow color).

During inspection, no other sewage disposals into the lake were observed and thin flow of rain water observed in storm water drain into the lake.

Water Quality of Pedda Cheruvu, Nallagandla:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**
2. The TSPCB is being collecting the samples from the Pedda Cheruvu, Nallagandla on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.
3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg /L)	BOD (mg /L)	Total Coliform (MPN/ 100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April, 2024	7.03	898	0.3	6.1	110	--	0.5	**E**
March, 2024	7.46	892	0.3	5	170	--	0.5	**E**
Feb, 2024	7.75	807	5.8	2.8	210	--	0.5	**B**
Jan,2024	7.66	620	4.6	3.0	240	--	0.5	**C**
Dec, 2023	7.46	678	5.4	2.8	350	--	0.5	**B**
Nov, 2023	7.38	660	4.8	2.0	350	--	0.5	**C**
Oct, 2023	6.92	678	4.8	3.4	350	--	0.5	**C**
Sep, 2023	7.89	611	6.0	2.3	47	--	0.5	**B**

- As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for Irrigation, Industrial cooling, Controlled Waste disposal".

Photographs of the Pedda Cheruvu, Nallagandla

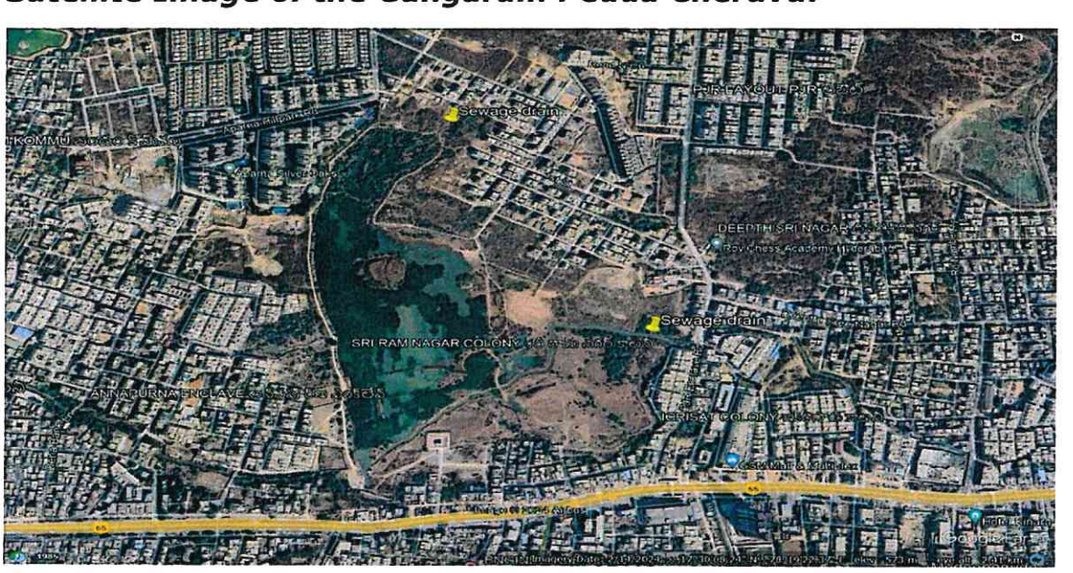
5. <u>Gangaram Pedda Cheruvu, Gangaram(V), Serlingampally (M), Rangareddy District</u>

The Board officials have visited the Pedda Cheruvu, Gangaram and its surroundings on 15.07.2024. The observations made during the inspections and remarks on water quality of Pedda Cheruvu, Gangaram is as follows:

Pedda Cheruvu, Gangaram, also known as Gangaram cheruvu, located in Gangaram Village, Serilingampally mandal, Rangareddy district, Telangana, India (17.497958, 78.330240).

The lake is surrounded by North: Residential houses, South: National Highway -65, East: Residential houses & West: Residential houses.

Satellite Image of the Gangaram Pedda Cheruvu:



Details of feeder channels to the lake:

The lake is fed by 2 No of drain lines coming in the North direction & East direction of the lake (Google Map showing Storm/ sewage drain inlets are pinned in yellow color).

During inspection, sewage was observed to be joining the lake from Storm water / sewage drains.

Water Quality of Gangaram Pedda Cheruvu:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**

2. The TSPCB is collecting the samples from the Pedda Cheruvu, Nallagandla on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.

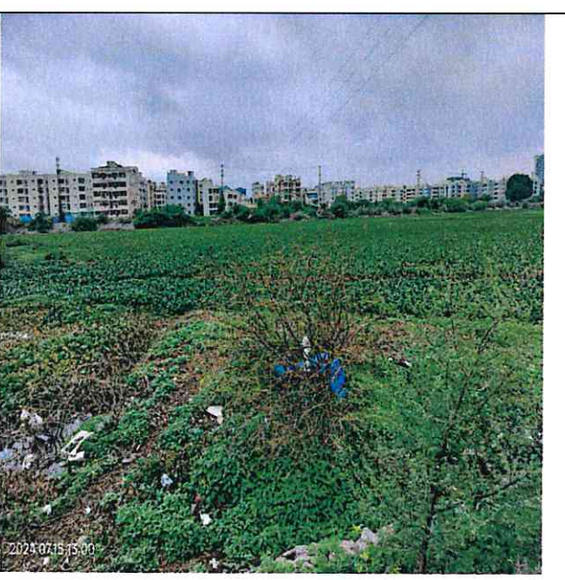
3. Lake was observed to be mostly dry and low quantity of sewage was observed to be joining the lake from North & East drains. Sample was not collected from last 4 months i.e., January 2024 to April 2024 due to the above said reasons.

4. The average analysis results of the year 2023 & 2022 and May, 2024 of the lake are as follows (Data retrieved from TSPCB official website).

	pH	**Conductivity (µs/cm)**	**DO (mg/L)**	**BOD (mg/L)**	**Total Coliform (MPN/100ml)**	**Free Ammonia**	**Boron (mg/L)**	**CPCB Water Quality Criteria class**
May, 2024	7.2	951	0.3	8	350	--	0.5	**E**
2023 year average	7.09	635	2.0	4.3	285	--	0.5	**E**
2022 year average	7.34	825	2.1	2.8	485	--	0.5	**E**

- As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of the Gangaram Pedda Cheruvu



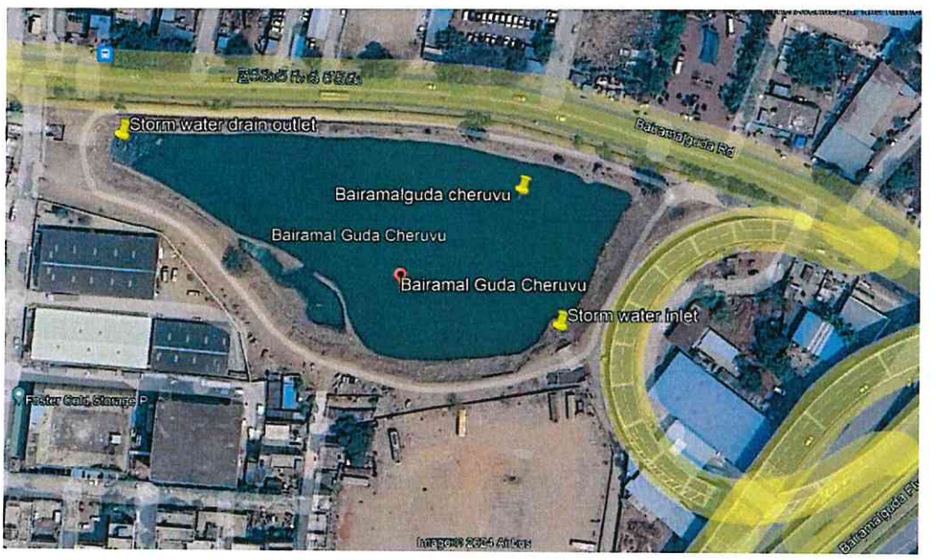
6. Bairamalguda Cheruvu, Bairamalguda (V), Saroornagar (M), Rangareddy District

The Board officials have visited the Maddela kunta, Bairamalguda (V), Saroornagar (M) and its surroundings on 06.07.2024. The observations made during the inspections and remarks on water quality of Maddela kunta is as follows:

Maddela kunta is also known as Bairamalguda Lake is located in Bairamalguda Village, Saroornagar mandal, Rangareddy district, Telangana, India (17.342405, 78.544479).

The lake is surrounded by North: Bairamalguda-Karmanghat road, South: Residential houses, East: Sagar X Road & West: Residential houses.

Satellite Image of the* Bairamalguda Cheruvu*:



Details of feeder channels to the lake:

The lake is fed by 1 No of storm /sewage drain line joining in the East direction of the lake (Google Map showing Storm water drain inlets is pinned in yellow color).

During inspection, no other sewage disposals into the lake were observed and thin flow of rain water observed in storm water drain into the cheruvu.

Water Quality of Bairamalguda Cheruvu:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**
2. The TSPCB is collecting the samples from the Maddelakunta, Bairamalguda, Saroornagar on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.
3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April, 2024	7.66	1486	0.3	10	540	--	0.5	**E**
March,2024	7.92	1503	0.3	8	540	--	0.5	**E**
Feb, 2024	7.50	1484	0.3	12	540	--	0.5	**E**
Jan,2024	7.26	1494	0.3	8	540	--	0.5	**E**
Dec, 2023	6.62	1040	0.3	12	540	--	0.5	**E**
Nov, 2023	7.0	1024	0.8	5.6	540	--	0.5	**E**
Oct, 2023	8.4	1108	0.3	14	540	--	0.5	**E**
Sep, 2023	7.10	1406	0.3	10	540	--	0.5	**E**

- As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under

Class-E which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of the Bairamalguda Cheruvu

Bairamalguda Cheruvu inlet

7. <u>Nalla Cheruvu, Uppal (V & M), Medchal District</u>

The Board officials have visited the Nalla cheruvu, Uppal and its surroundings on 15.07.2024 & 16.07.2024. The observations made during the inspections and remarks on water quality of Nalla cheruvu, Uppal is as follows:

Nalla cheruvu, located in Uppal Village & Mandal, Medchal-Malkajgiri District, Telangana, India (17.403108, 78.579471).

The lake is surrounded by North: Forest land followed by residential colonies, South: National highway - 163, East: Residential houses & West: Residential houses.

***Satellite Image of the* Nalla Cheruvu:**

Details of feeder channels to the lake:

The lake is fed by 2 No of storm /sewage drain lines joining in the North – West direction of the lake (Google Map showing Storm / sewage drain inlets is pinned in yellow color). The outlet of the lake is at South –East corner which is ultimately joining into river Musi.

During inspection, 2 No of storm /sewage drain lines joining into the lake were observed from the North - West direction.

The HMWS & SB, Govt of Telangana has constructed 2 Nos. of Sewage Treatment Plants (STPs). Treatment Plants (STPs) of capacity 30 MLD & a new STP of capacity 86.5 MLD both of which are towards in downstream (South direction) of the lake for treatment of sewage water. The inlets for STPs are underground sewage lines from upstream colonies of Uppal, Ramanthapur, Nacharam, etc. The treated water from STP is not let into Nalla Cheruvu, Uppal and is discharged into river Musi.

Water Quality of Nalla Cheruvu:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**
2. The TSPCB is being collecting the samples from the Nalla cheruvu, Uppal on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.
3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria Class
April, 2024	7.97	1332	0.3	14	430	--	0.5	**E**
March, 2024	7.50	1886	0.3	6.2	540	--	0.5	**E**
Feb, 2024	7.20	1616	0.3	9	920	--	0.5	**E**
Jan,2024	7.13	1544	0.3	8	430	--	0.5	**E**
Dec, 2023	6.97	1244	0.3	8	920	--	0.5	**E**
Nov, 2023	7.01	1655	0.3	8	540	--	0.6	**E**
Oct, 2023	7.1	1418	0.3	8	540	--	0.5	**E**
Sep, 2023	7.17	1403	0.3	4	920	--	0.5	**E**

- As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of the Nalla Cheruvu, Uppal

Nalla Cheruvu lake, Uppal

Nalla Cheruvu lake Inlet

Nalla Cheruvu lake Outlet

8. <u>Pedda Cheruvu (Pedda Cheruvu, Peerzadiguda), Peerzadiguda (V), Uppal (M), Medchal District</u>

The Board officials have visited the Pedda Cheruvu, Peerzadiguda and its surroundings on 15.07.2024. The observations made during the inspections and remarks on water quality of Pedda Cheruvu, Peerzadiguda is as follows:

Pedda Cheruvu, Peerzadiguda is located in Peerzadiguda Village, Medipally Mandal, Medchal-Malkajgiri District, Telangana, India (17.398551, 78.594081).

The lake is surrounded by North: Residential Colonies, South: Residential Colonies, East: Residential Colonies & West: Residential Colonies.

Satellite Image of the* Pedda Cheruvu*:

Details of feeder channels to the lake:

The lake is fed by 1 No of storm/ sewage drain line joining in the North – West direction of the lake (Google Map showing Storm water drain inlets & outlets are pinned in yellow color).

During inspection, 1 No of storm /sewage drain line joining into the lake was observed from the North - West direction.

Water Quality of Pedda Cheruvu:

1. The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I).**
2. The TSPCB is being collecting the samples from the Pedda Cheruvu, Peerzadiguda on monthly basis as part of National Water Monitoring Program (NWMP) & 14 lakes.
3. The analysis results for the period from September 2023 to April 2024 is annexed as **ANNEXURE-II.**
4. The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria Class
April, 2024	7.33	1899	0.3	8	920	--	0.5	**E**
March, 2024	7.68	1674	0.3	6	540	--	0.5	**E**
Feb, 2024	7.34	1898	0.3	15	540	--	0.5	**E**
Jan,2024	7.16	1764	0.3	10	720	--	0.5	**E**
Dec, 2023	7.6	1660	0.3	10	540	--	0.6	**E**
Nov, 2023	6.92	1635	0.3	6.8	540	--	0.5	**E**
Oct, 2023	7.18	1585	0.3	12	540	--	0.5	**E**
Sep, 2023	7.14	1249	0.3	10.6	540	--	0.5	**E**

- As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for "Irrigation, Industrial cooling & Controlled Waste disposal".

Photographs of the Pedda Cheruvu, Peerzadiguda

Pedda Cheruvu, Peerzadiguda

Pedda Cheruvu lake bund

Pedda Cheruvu, Peerzadiguda outlet

Pedda Cheruvu, Peerzadiguda outlet

9. <u>Sunnam Cheruvu, Allapur Village, Kukatpally Mandal, Medchal-Malkajgiri District</u>

- The Board Officials inspected Sunnam Cheruvu and its surroundings on 16.07.2024.
- Sunnam Cheruvu is located in Allapur Village, Kukatpally Mandal, Medchal-Malkajgiri District, Telangana (17.452894,78.404076)
- The lake surroundings are North: NRR Puram Colony, South: Parvathi Nagar Colony, East: Kavuri Hills and West: Gayatri Hills.

- **Satellite image of the Sunnam Cheruvu :**

- Google Map showing inlet drain leading to the lake.
- Sewage drains from Padmavathi Nagar, NRR Puram colonies are joining into lake.
- GHMC has provided I & D structure to divert the sewage from main inlet drain.
- Water hyacinth was proliferating at the periphery of the Lake.

Water Quality of Sunnam Cheruvu:

- The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality criteria, the same is Enclosed as **(ANNEXURE-I)**
- The TGPCB is collecting the samples from Sunnam Cheruvu on monthly basis as part of National Water Monitoring Programme (NWMP) including the said 14 lakes.
- The analysis results from September, 2023 to April, 2024 of the lake water is tabulated as follows. Copies of the Analysis results are enclosed as **Annexure-II**.
- The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
April,2024	7.85	993	0.6	18	430	--	0.5	**E**
March,2024	6.98	1169	0.3	6.2	1600	--	0.5	**E**
Feb, 2024	7.40	1138	3.9	3	920	--	0.5	**E**

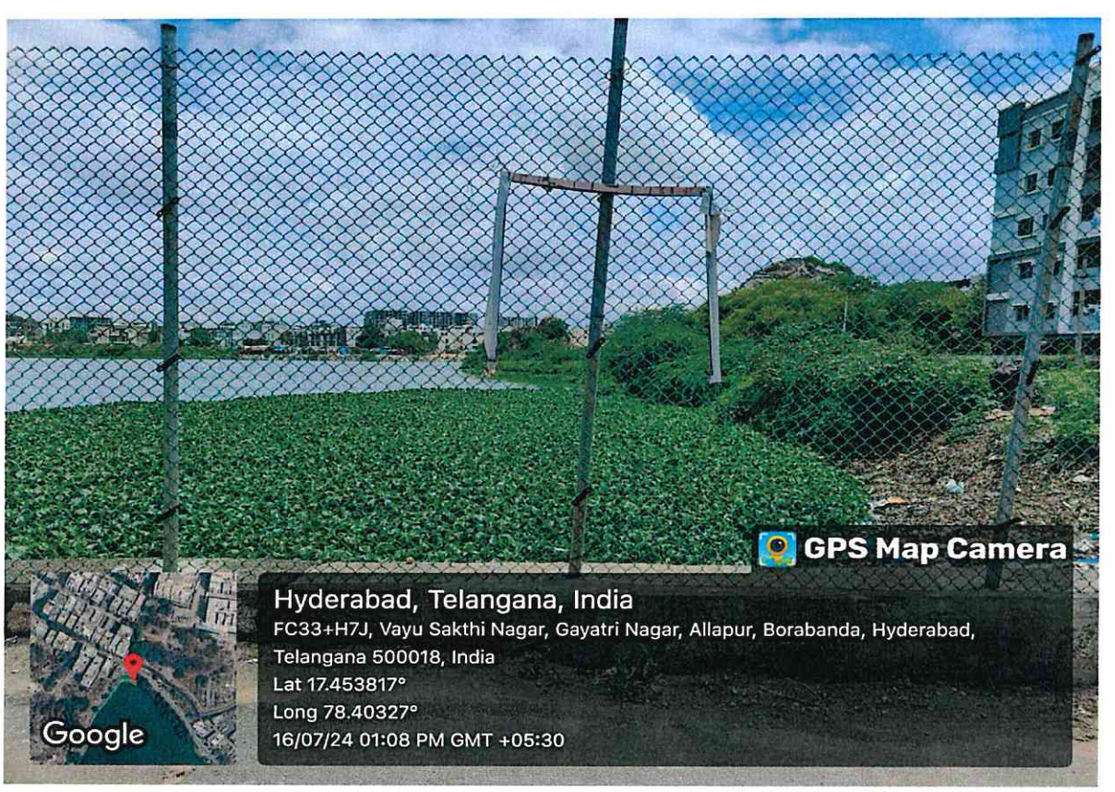
Jan, 2024	6.92	1092	0.3	10	430	--	0.5	**E**
Dec, 2023	7.10	802	0.3	8	430	--	0.5	**E**
Nov, 2023	6.70	960	0.3	8.0	540	--	0.5	**E**
Oct, 2023	8.07	442	3.7	4.2	22	--	0.5	**E**
Sep, 2023	6.96	546	1.2	1	240	--	0.5	**E**

As per the latest water quality data, the classification of the water quality falls under **Class-E,** which is categorised as useful for Irrigation, Industrial cooling & Controlled Waste disposal.

Sunnam Cheruvu Lake

Sunnam Cheruvu Outlet

Water hyacinth on the surface of Sunnam Cheruvu



10. <u>Chinadamara Cheruvu, Gandimaisamma Village, Dundigal Mandal, Medchal-Malkajgiri District</u>

- The Board Officials visited the Chinadamara Cheruvu and its surroundings on 16.07.2024
- Chinadamara Cheruvu is located in Gandimaisamma Village, Dundigal Mandal, Medchal-Malkajgiri District. (17.606634,78.418049)

- The lake is surrounded by North: Educational Institute, South: Open land followed by Agricultural fields, East: Open land and West: Dommara Pochampally Village.

- **Satellite image of the ChinaDamara Cheruvu:**

- Google Map showing inlets drain leading to sewage joining the lake is marked in yellow color.
- Inlet drains from Munurbasthi, Main Bazzar, Weaker Section Colony, SC Colony and also educational institutions are joining into the lake.
- During the inspection there was flow from the inlet joining into the lake near ORR on the other side

Water Quality of Chinadamara Cheruvu:

- The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality criteria, the same is Enclosed as **(ANNEXURE-I)**
- The TGPCB is collecting the samples from Chinnadamara cheruvu on monthly basis as part of National Water Monitoring Programme (NWMP) including the said 14 lakes.
- The analysis results from September, 2023 to April, 2024 of the lake water is tabulated as follows. Copies of the Analysis results are enclosed as Annexure-II.
- The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
Apr, 2024	6.97	674	4.2	2.0	70	--	0.5	**C**
Mar, 2024	7.42	663	4.2	3.0	140	--	0.5	**C**
Feb, 2024	7.56	654	5.9	2	220	--	0.5	**B**
Jan,2024	7.71	552	3.0	3	350	--	0.5	**B**
Dec, 2023	7.36	512	5.2	1.6	280	--	0.5	**B**
Nov, 2023	7.30	484	5.4	1.4	280	--	0.5	**B**
Oct, 2023	6.80	455	5.5	1.8	210	--	0.5	**B**
Sep, 2023	7.36	405	6.2	2.8	39	--	0.5	**B**

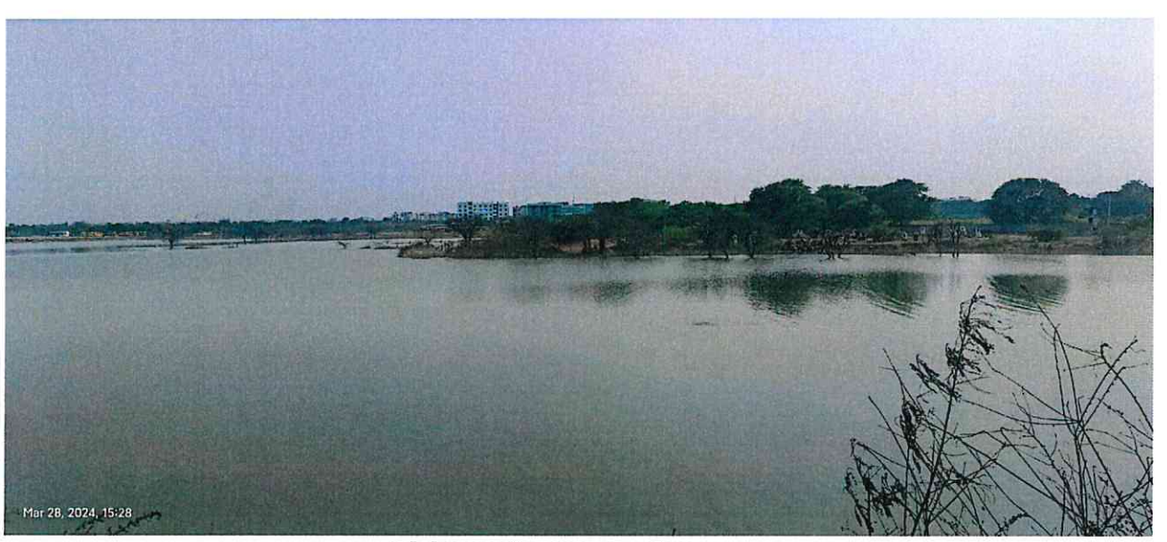
As per the latest water quality data, the classification of the water quality falls under **Class- C,** which is useful for "Drinking water source after conventional treatment and disinfection".

- **Photographs of the Chinnadamara cheruvu**

Inlet drain from Colonies into Chinnadamara cheruvu

Drains joining into the Chinnadamara cheruvu

Inlet drain joining into Chinnadamara cheruvu near ORR service Road



Chinnadamara cheruvu

Chinnadamara cheruvu

11. **Chinarayuni Cheruvu, Alwal Village and Mandal, Medchal-Malkajgiri District**

- The Board Officials visited the Chinarayuni Cheruvu and its surroundings on 16.07.2024
- Chinarayuni Cheruvu is located in Alwal Village and Mandal, Medchal-Malkajgiri District (17.500979,78.503265)
- The lake is surrounding by North: Anand Rao Nagar Colony, South: Venkatapuram Colony, East: Joshi Nagar Colony & West: Haryanabasthi.
- **Satellite image of the Chinarayuni Cheruvu:**

- Google Map showing inlets drain leading to sewage joining the lake and outlet of the lake is marked in yellow color.
- Inlet drains from Janakirao Nagar, Anand Rao Nagar Colony and father Balaiah nagar joining into the lake.
- During the inspection MSW was dumped at the periphery of the lake.
- Water hyacinth was proliferating throughout the Lake.

Water Quality of Chinarayuni Cheruvu:

- The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality criteria, the same is Enclosed as **(ANNEXURE-I)**
- The TGPCB is collecting the samples from Chinarayuni Cheruvu Cheruvu on monthly basis as part of National Water Monitoring Programme (NWMP) including the said 14 lakes

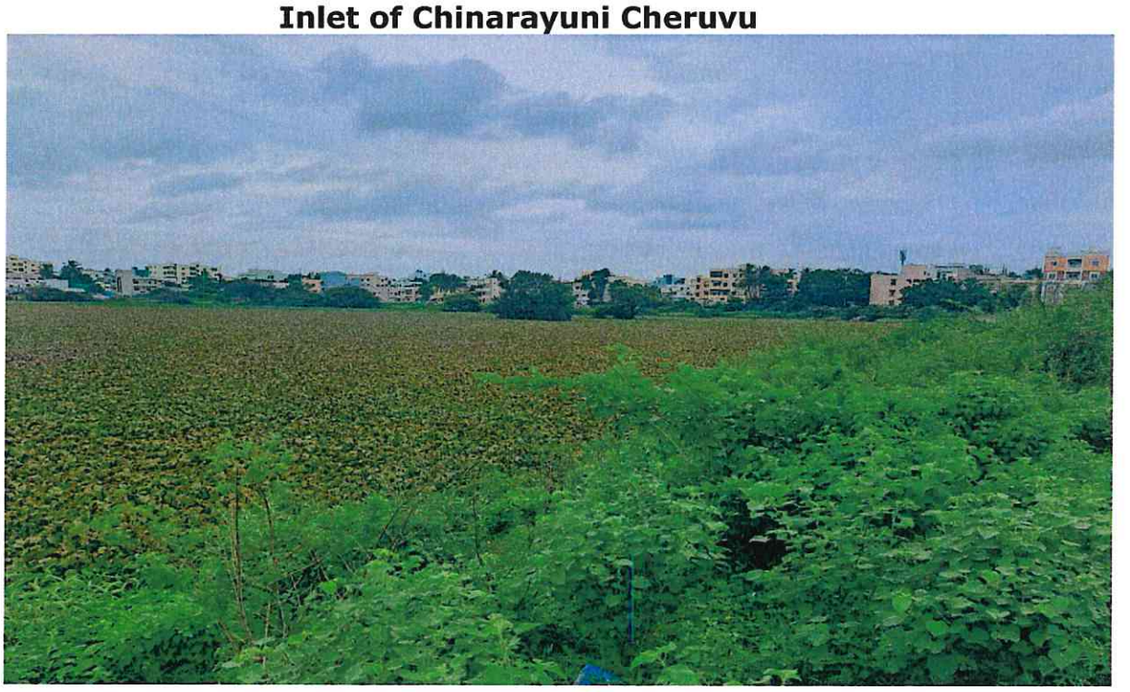
- The analysis results from September, 2023 to April, 2024 of the lake water is tabulated as follows. Copies of the Analysis results are Enclosed as Annexure-II.
- The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
Apr,2024	7.56	1656	0.3	6.2	120	--	0.5	**E**
Mar,2024	7.48	1672	0.3	8.0	430	--	0.6	**E**
Feb,2024	7.48	1573	0.3	10	920	--	0.5	**E**
Jan,2024	7.20	1276	0.3	6	920	--	0.5	**E**
Dec,2023	7.12	1522	0.3	8	540	--	0.5	**E**
Nov,2023	6.87	1407	0.3	6.2	540	--	0.5	**E**
Oct, 2023	7.39	1116	0.3	14	430	--	0.5	**E**
Sep,2023	--	--	--	--	--	--	--	

As per the latest water quality data, the classification of the water quality (As per CPCB Water quality criteria class-**ANNEXURE-I)** comes under **Class-E** which is useful for "Irrigation, Industrial cooling, Controlled Waste disposal"

Inlet of Chinarayuni Cheruvu and diversion point

Inlet of Chinarayuni Cheruvu



Chinarayuni Cheruvu

Outlet of Chinarayuni Cheruvu and diversion point

12. **<u>Boin Cheruvu, Hasmathpet Village, Balanagar Mandal, Medchal-Malkajgiri District</u>**

- The Board Officials visited the Boin Cheruvu Cheruvu and its surroundings on 16.07.2024.
- Boin Cheruvu also known as Hasmathpet Cheruvu is located in Hasmathpet Village, Balanagar Mandal, Medchal-Malkajgiri District (17.473891,78.491891)
- The lake is surrounding by North: Anjaiah Nagar, South: Rajiv Gandhi Nagar Manasarovar Heights, Ved Vihar, Sai Nagar, East: Durga Vihar Colony, RTC Colony & West: Gori Nagar, Samatha Nagar.
- **Satellite image of the Boin Cheruvu:**

- Google Map showing Storm water drain, inlets & outlet are marked in yellow color.
- Chinarayuni Cheruvu, Alwal joining into Boin Cheruvu.
- Inlet drains from Shantha Saket colony joining to the lake.
- There are 3 no's of storm water drains joining into the lake which were dry at the time of inspection
- GHMC has provided I & D structure to divert the sewage from main inlet drain.
- During the inspection Municipal solid waste dump was found at periphery of the lake.

Water Quality of Boin Cheruvu:

- The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality criteria, the same is Enclosed as **(ANNEXURE-I)**
- The TGPCB is collecting the samples from Boin Cheruvu on monthly basis as part of National Water Monitoring Programme (NWMP) including the said 14 lakes.
- The analysis results from September, 2023 to April, 2024 of the lake water is tabulated as follows. Copies of the Analysis results are Enclosed as Annexure-II.
- The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

As per the latest water quality data, the classification of the water quality

Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
Apr,2024	8.06	1302	0.3	12	430	--	0.5	**E**
Mar,2024	7.56	1853	0.3	8	430	--	0.5	**E**
Feb,2024	7.48	1610	0.3	12	240	--	0.5	**E**
Jan,2024	7.23	1532	0.3	8	540	--	0.5	**E**
Dec,2023	7.42	1144	0.3	8	280	--	0.5	**E**
Nov,2023	7.14	1413	0.3	6.2	430	--	0.5	**E**
Oct, 2023	7.06	996	0.3	8	430	--	0.5	**E**
Sep,2023	7.34	1190	0.3	6	430	--	0.5	**E**

falls under **Class-E,** which is categorized as useful for Irrigation, Industrial cooling & Controlled Waste disposal.

Inlet of Boin Cheruvu

Storm Water Drains of Boin Cheruvu

Boin Cheruvu

Outlet of Boin Cheruvu

13. <u>Ambeer Cheruvu, Kukatpally Village and Mandal, Medchal-Malkajgiri District</u>

- The Board Officials visited the Ambeer Cheruvu and its surroundings on 16.07.2024.
- Ambeer Cheruvu is located in Kukatpally Village and Mandal, Medchal-Malkajgiri District**.** (17.509008,78.393548).
- The lake is surrounding by North: Pragathi Nagar, South: Adithya Nagar Colony, East: Nizampet & West: Road followed by Pragathi Nagar Cheruvu.

- **Satellite image of the Ambeer Cheruvu:**

- Google Map showing inlet of lake, STP and Diversion point
- The Nizampet Municipality, has constructed a Sewage Treatment Plant (STP) of capacity 2.5 MLD established in the year 2009 located in the North side of the lake for treatment of sewage generated on the upstream of the lake. The treated water is connected to lake through pipeline.
- Inlet drain from Pragathinagar partially reaches to STP and the rest is joining the lake.
- GHMC has provided I & D structure to divert the sewage from main inlet drain.

Water Quality of Ambeer Cheruvu:

- The Central Pollution Control Board (CPCB) has classified the lakes based on the water quality usage criteria, the same is enclosed as **(ANNEXURE-I)**
- The TSPCB is collecting the samples from Ambeer Cheruvu on monthly basis as part of National Water Monitoring Programme (NWMP) & 14 lakes.
- The analysis results from September, 2023 to April, 2024 of the lake water is tabulated as follows. Copies of the Analysis results are Enclosed as Annexure-II.
- The analysis results of the water quality of the lake as per the CPCB criteria is as follows:

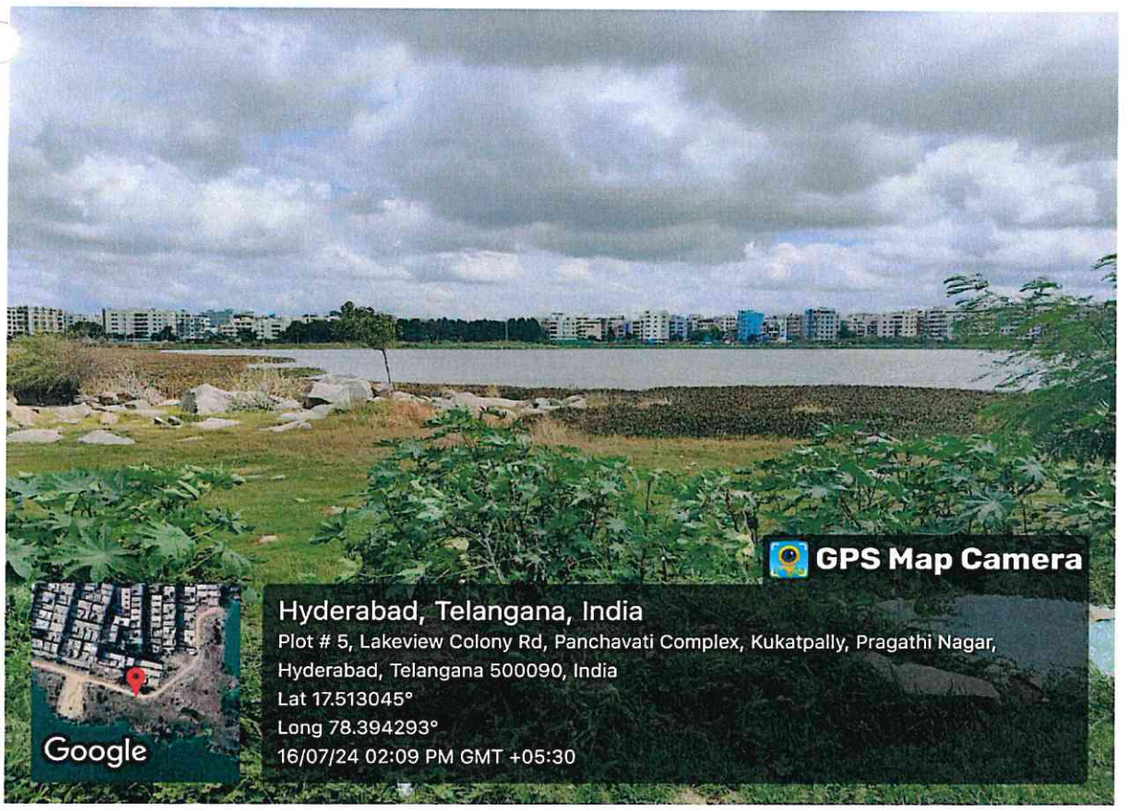
Month	pH	Conductivity (µs/cm)	DO (mg/L)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	CPCB Water Quality Criteria class
Apr,2024	7.89	1320	0.3	12	540	--	0.5	**E**
Mar,2024	7.39	1471	2.2	5.4	430	--	0.5	**E**
Feb,2024	7.68	1242	0.3	13	920	--	0.5	**E**
Jan,2024	7.09	1228	0.3	8.2	350	--	0.6	**E**
Dec,2023	7.26	1074	0.3	6.4	430	--	0.5	**E**
Nov,2023	7.30	930	0.3	6.4	540	--	0.5	**E**
Oct,2023	6.69	912	0.3	6.0	430	--	0.5	**E**
Sep,2023	7.52	832	0.9	5.8	430	--	0.5	**E**

As per the latest water quality data, the classification of the water quality falls under **Class-E,** which is categorised as useful for Irrigation, Industrial cooling & Controlled Waste disposal.

AMBEER CHERUVU

AMBEER CHERUVU

AMBEER CHERUVU



Ambeer Cheruvu

Action taken by the Board:

1. The Board is regularly monitoring all the above 13 lakes on monthly basis as part of National Water monitoring program (NWMP). The analysis results are uploaded in the TSPCB website.
2. The respondent Board addressed a letter vide Lr.No. 8/Gen/PCB/RO-RRD/2023-1716, dated: 20.04.2023 along with analysis results to The Commissioner, Greater Hyderabad Municipal Corporation (GHMC) regarding lakes contamination in and around GHMC area for taking necessary action. **(ANNEXURE-III)**

3. The respondent Board further addressed a letters vide Lr.No. 8/Gen/PCB/RO-RRD/2024-445, dated: 10.07.2024 along with analysis results to The Addl. Commissioner, Greater Hyderabad Municipal Corporation (GHMC) intimating that most of the lakes are analyzed to be classified as 'E' category and to take necessary measures to improve the water quality. **(ANNEXURE-IV)**

DETAILS OF CASE PENDING BEFORE THE HON'BLE HIGH COURT:

It is to submit that WP No. 14728 of 2007 filed by Mr.Anil C Dayakar, Director, Gamana, Non-Governmental Organization, Hyderabad with regard to Lakes.

The Hon'ble High Court vide order dated 06.02.2024 has constituted a Committee comprising of two Advocates, Mr. Gadi Praveen Kumar and Mr. T. Srikanth Reddy with a direction to submit status report with regard to the status of works carried out by Greater Hyderabad Municipal Corporations (GHMC), District Collector, Hyderabad and District Collector, Rangareddy District (Respondents 5 to 7) after inspection the thirteen lakes **(ANNEXURE-V).**

The Committee appointed by the Hon'ble High Court submitted the report on 05.03.2024 informing the status of 13 lakes and the works taken up by the GHMC for protection of the lakes during the hearing held on 19.03.2024 **(ANNEXURE-VI).**

The case is under adjudication before the Hon'ble High Court and was last listed for hearing on 26.07.2024.

Place: **Hyderabad.**
Date: **13-09-2024**

JOINT CHIEF ENVIRONMENTAL ENGINEER
TGPCB, ZONAL OFFICE, HYDERABAD.

Joint Chief Environmental Engineer,
Telangana Pollution Control Board,
Zonal Office,
Begumpet, Hyderabad-500 016.

ANNEXURE -I

CPCB Water Quality Criteria					
Parameters	**A**	**B**	**C**	**D**	**E**
pH	6.5 – 8.5	6.5 – 8.5	6.0 – 9.0	6.5 – 8.5	6.0 – 8.5
Electrical conductivity	-	-	-	-	Max 2250
Dissolved oxygen	6 or >6	5 or >5	4 or >4	4 or >4	-
BOD 3 at 27°C	2 or < 2	3 or < 3	3 or < 3	-	-
Free Ammonia	-	-	-	1.2 or <1.2	-
SAR	-	-	-	-	Max 26
Boron	-	-	-	-	Max 2
Total coliform	50 or < 50	500 or < 500	5000 or < 5000	-	-

CPCB Water Quality Usage Criteria:

A-Drinking water source without conventional treatment but after disinfection

B-Outdoor bathing (Organized)

C-Drinking water source after conventional treatment and disinfection

D-Propagation of wild life and fisheries

E-Irrigation, Industrial cooling, Controlled Waste disposal

Below E: Not meeting A, B, C, D, E criteria.

Annexure -II

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of September, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serillingampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
	Sample collected on	21.09.2023	21.09.2023	21.09.2023	21.09.2023	21.09.2023	21.09.2023		21.09.2023	21.09.2023	21.09.2023	21.09.2023	21.09.2023	21.09.2023	21.09.2023
	Sample Submitted on	26.09.2023	26.09.2023	26.09.2023	26.09.2023	26.09.2023	26.09.2023		26.09.2023	26.09.2023	26.09.2023	26.09.2023	26.09.2023	26.09.2023	26.09.2023
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	6.96	6.85	7.17	7.89	6.87	7.52	Dried up	7.36	7.10	6.86	7.17	7.34	7.14	7.23
2	Electrical Conductivity (µS/cm)	546	729	1338	611	717	832		405	1406	791	1403	1190	1249	1339
3	Dissolved Oxygen (DO)	1.2	2.8	1.2	6.0	0.3	0.9		6.2	0.3	3.8	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	1	3	8.0	2.3	6.0	5.8		2.8	10	2.4	4	6	10.6	8.0
5	Total Coliform (Colonies per CC)	240	350	47	47	220	430		39	540	280	920	430	540	540
6	Boron as B	0.5	0.5	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	Sodium Absorption Ratio	#	#	#	#	#	#		#	#	#	#	#	#	#
8	Total Dissolved Solids	338	452	856	378	444	316		256	875	480	860	722	778	830
9	Chlorides as Cl	82	96	127	72	112	92		53	214	112	212	126	130	182
10	Sulphates as SO_4^{-2}	54	62	98	44	70	60		12	164	72	156	68	59	88
11	Chemical Oxygen Demand (COD)	8	42	86	35	72	72		24	164	38	58	68	114	86
12	Water Soluble Phosphate as P	2.44	2.80	3.24	0.49	2.44	2.60		0.63	1.26	4.00	3.60	4.60	2.95	3.20
13	Fluoride as F	1.08	0.87	1.16	0.65	0.82	1.16		0.79	1.04	0.83	1.18	1.16	1.10	1.10
14	Nitrates as NO_3	7.00	3.20	11.80	3.30	5.80	2.9		2.8	6.88	3.6	3.6	5.2	14.0	3.8
15	Total Hardness	128	180	310	142	186	195		90	305	185	362	305	290	285
16	Calcium Hardness (CaCO3)	84	95	162	76	118	100		48	185	95	210	195	210	150
	Ca	33.6	38.0	64.8	30.4	47.2	40.0		19.2	74.0	38.0	84.0	78.0	84.0	60.0
	Mg	10.7	20.7	36.0	16.0	16.5	23.1		10.2	29.2	21.9	36.9	26.7	19.4	32.8
	CPCB Water Quality Criterin Class:	E	E	E	B	E	E		B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

Annexure -II

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of September, 2023

CPCB Water Quality Criteria Class:	*Designated Best use*
Class-A:	Drinking Water Source without conventional treatment but after disinfection.
Class-B:	Outdoor bathing (Organised).
Class-C:	Drinking water source after conventional treatment and disinfection.
Class-D:	Propagation of Wild life and Fisheries.
Class-E:	Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class E:	Not meeting A, B, C, D and E criteria.

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

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TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of October, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) NanakRamguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serillingampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur,	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
	Sample collected on	06.10.2023	06.10.2023	19.10.2023	19.10.2023		06.10.2023	06.10.2023	19.10.2023	06.10.2023	06.10.2023	06.10.2023	06.10.2023	19.10.2023	06.10.2023
	Sample Submitted on	09.10.2023	09.10.2023	21.10.2023	21.10.2023		09.10.2023	09.10.2023	21.10.2023	09.10.2023	09.10.2023	09.10.2023	09.10.2023	21.10.2023	09.10.2023
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1.	pH	8.07	7.28	7.13	6.92	Dried up	6.96	7.39	6.80	8.40	7.98	7.11	7.06	7.18	7.20
2	Electrical Conductivity (µS/cm)	442	788	1238	678		912	1116	455	1108	812	1418	996	1585	1122
3	Dissolved Oxygen (DO)	3.7	2.0	0.3	4.8		0.3	0.3	5.5	0.3	3.2	0.3	0.3	0.3	0.3
4	BOD 3 days at 27°C	4.2	3.8	8.0	3.4		6.0	14	1.8	14	4	8	8	12	6.0
5	Total Coliform (Colonies per CC)	22	430	350	350		430	430	210	540	430	540	430	540	430
6	Boron as B	0.5	0.6	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	Sodium Absorption Ratio	#	#	#	#		#	#	#	#	#	#	#	#	#
8	Total Dissolved Solids	270	470	768	412		544	680	274	698	464	850	590	968	670
9	Chlorides as Cl	88	98	118	78		144	104	64	138	122	210	128	64	168
10	Sulphates as SO_4^{-2}	44	66	72	47		66	52	38	79	86	108	70	38	76
11	Chemical Oxygen Demand (COD)	65	44	112	51		78	84	27	124	58	92	88	160	82
12	Water Soluble Phosphate as P	1.94	2.60	2.66	0.43		2.60	2.44	0.26	1.10	2.80	5.20	2.60	0.85	2.80
13	Fluoride as F	1.22	0.98	0.74	0.65		1.06	1.12	0.43	1.18	0.98	1.08	0.98	1.29	1.03
14	Nitrates as NO_3	6.00	2.40	16.00	1.86		3.2	4.4	0.8	5.62	2.8	4.4	3.2	4.4	3.2
15	Total Hardness	100	165	310	175		230	312	110	255	195	330	220	460	245
16	Calcium Hardness (CaCO3)	60	102	198	105		130	186	70	200	112	210	125	210	144
	Ca	24.0	40.8	79.2	42.0		52.0	74.4	28.0	80.0	44.8	84.0	50.0	84.0	57.6
	Mg	9.7	15.3	27.2	17.0		24.3	30.6	9.7	13.4	20.2	29.2	23.1	60.8	24.5
	CPCB Water Quality Criteria Class:	E	E	E	D		E	E	B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem.

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

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TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of November, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serillingampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangaredd	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Balramalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nulla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpully, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
Sample collected on		16.11.2023	16.11.2023	16.11.2023	16.11.2023		16.11.2023	09.11.2023	16.11.2023	16.11.2023	16.11.2023	16.11.2023	16.11.2023	16.11.2023	16.11.2023
Sample Submitted on		18.11.2023	18.11.2023	18.11.2023	18.11.2023		18.11.2023	09.11.2023	18.11.2023	18.11.2023	18.11.2023	18.11.2023	18.11.2023	18.11.2023	18.11.2023
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	6.70	7.24	7.13	7.38	Dried up	7.30	6.87	7.30	7.00	6.94	7.01	7.14	6.92	7.28
2	Electrical Conductivity	960	861	1615	660		930	1407	484	1024	930	1655	1413	1635	1503
3	Dissolved Oxygen (DO)	0.3	5.8	0.3	4.8		0.3	0.3	5.4	0.8	0.3	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	8.0	1.4	6.8	2.0		6.4	6.2	1.4	5.6	6.8	8.0	6.2	6.8	6.2
5	Total Colliform (Colonies per CC)	540	430	540	330		540	540	280	540	430	540	430	540	540
6	Boron as B	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5
7	Sodium Absorption Ratio	#	#	#	#		#	#	#	#	#	#	#	#	#
8	Total Dissolved Solids	576	516	1016	396		564	888	290	644	568	1042	876	1030	916
9	Chlorides as Cl-	128	103	159	91		105	140	69	137	115	191	142	176	152
10	Sulphates as SO4-2	56	64	98	56		66	88	42	82	72	118	88	110	98
11	Chemical Oxygen Demand (COD)	111	24	95	32		89	70	16	43	82	95	89	83	71
12	Water Soluble Phosphate as P	2.18	0.85	1.28	0.46		2.74	2.52	0.32	2.38	1.25	3.28	2.82	1.88	3.12
13	Fluoride as F	1.14	0.73	1.09	0.65		1.28	1.28	0.46	0.58	0.84	1.32	1.28	1.32	1.24
14	Nitrates as NO3-	5.86	4.56	12.24	6.24		5.86	6.2	3.9	4.8	4.56	7.38	6.9	10.52	8.64
23	Sodium (Na)	#	#	#	#		#	#	#	#	#	#	#	#	#
15	Sodium as Na	#	#	#	#		#	#	#	#	#	#	#	#	#
16	Total Hardness	230	200	435	155		220	380	110	294	215	415	360	440	385
17	Calcium Hardness (CaCO3)	140	125	275	95		135	230	65	190	130	260	225	280	240
18	Ca+2	56.0	50.0	110.0	38.0		54.0	92.0	26.0	76.0	52.0	104.0	90.0	112.0	96.0
19	Mg+2	21.9	18.2	38.9	14.6		20.7	36.5	10.9	25.3	20.7	37.7	32.8	38.9	35.2
CPCB Water Quality Criteria Class:		E	B	E	B		E	E	B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST

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Warangal-506 001.

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of November, 2023

CPCB	Designated Best use
Class-A:	Drinking Water Source without conventional treatment but after disinfection.
Class-B:	Outdoor bathing (Organised).
Class-C:	Drinking water source after conventional treatment and disinfection.
Class-D:	Propagation of Wild life and Fisheries.
Class-E:	Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class	Not meeting A, B, C, D and E criteria.

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Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of December, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Location		Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR, Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR, Dist	Nallagandla Cheruvu, Serillingampall, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Anbeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damaru Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
Sample Code		12257	12258	12253	12254		12259	12265	12255	12264	12260	12261	12262	12256	12263
Sample collected		07.12.2023	07.12.2023	07.12.2023	07.12.2023		07.12.2023	07.12.2023	07.12.2023	07.12.2023	07.12.2023	07.12.2023	07.12.2023	07.12.2023	07.12.2023
Sample Subimitted		11.12.2023	11.12.2023	11.12.2023	11.12.2023		11.12.2023	11.12.2023	11.12.2023	11.12.2023	11.12.2023	11.12.2023	11.12.2023	11.12.2023	11.12.2023
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	7.10	7.56	7.38	7.46	Dried up	7.28	7.12	7.36	6.62	7.20	6.97	7.42	7.60	8.04
2	Electrical Conductivity (µS/cm)	802	902	1860	678		1074	1522	512	1040	1020	1244	1144	1660	1579
3	Dissolved Oxygen (DO)	0.3	2.8	0.3	5.4		0.3	0.3	5.2	0.3	0.3	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	8	4	12	2.8		6.4	8	1.6	12	6.4	8	8	10	8
5	Total Coliform (Colonies per CC)	430	240	540	350		430	540	280	540	430	920	280	540	540
6	Boron as B	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5
7	Sodium Absorption Ratio	#	#	#	#		#	#	#	#	#	#	#	#	#
8	Total Dissolved Solids	514	576	1172	414		666	958	308	644	633	802	876	1046	1010
9	Chlorides as Cl	124	102	164	95		125	147	72	128	154	144	138	169	240
10	Sulphates as SO_4^{-2}	47	38	102	58		64	92	43	78	78	102	78	104	74
11	Chemical Oxygen Demand (COD)	92	51	107	36		70	73	20	147	94	82	80	93	94
12	Water Soluble Phosphate as P	1.66	1.46	3.28	0.42		2.28	2.94	0.31	2.54	1.45	2.42	1.74	3.12	3.40
13	Fluoride as F	0.96	0.95	1.36	0.87		1.20	1.34	0.53	0.90	0.70	1.22	1.02	1.48	1.06
14	Nitrate as NO_3	8.63	5.12	10.48	3.36		5.61	7.48	3.8	5.08	5.20	12.62	9.44	9.26	6.94
24	Total Hardness	212	232	520	165		286	445	125	260	255	360	330	450	340
25	Calcium Hardness (CaCO3)	138	128	320	100		168	275	75	160	152	235	210	275	192
	Ca^{+2}	55.2	51.2	128.0	40.0		67.2	110.0	30.0	64.0	60.8	94.0	84.0	110.0	76.8
	Mg^{+2}	18.0	25.3	48.6	15.8		28.7	41.3	12.2	24.3	25.0	30.4	29.2	42.5	36.0
	CPCB Water Quality Criteria Class:	E	E	E	B	E	E		B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

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TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of December, 2023

CPCB Water Quality Criteria Class:	Designated Best use
Class-A:	Drinking Water Source without conventional treatment but after
Class-B:	Outdoor bathing (Organised).
Class-C:	Drinking water source after conventional treatment and disinfection.
Class-D:	Propagation of Wild life and Fisheries.
Class-E:	Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class E:	Not meeting A, B, C, D and E criteria.

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
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Zonal Laboratory Hyderabad Zone
Warangal-506 001.

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of January, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Location		Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serillingampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
Sample Code		1203	1204	1205	1206		1207	1208	1209	1210	1211	1212	1213	1214	1215
Sample collected		06.01.2024	06.01.2024	06.01.2024	06.01.2024		06.01.2024	06.01.2024	06.01.2024	06.01.2024	06.01.2024	06.01.2024	06.01.2024	06.01.2024	06.01.2024
Sample Submitte		10.01.2024	10.01.2024	10.01.2024	10.01.2024		10.01.2024	10.01.2024	10.01.2024	10.01.2024	10.01.2024	10.01.2024	10.01.2024	10.01.2024	10.01.2024
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	6.92	7.44	7.82	7.66	Dried up	7.09	7.20	7.71	7.26	7.58	7.13	7.23	7.16	7.28
2	Electrical	1092	968	1584	620		1228	1276	552	1494	1162	1544	1532	1764	1520
3	Dissolve	0.3	2.2	0.3	4.6		0.3	0.3	3.0	0.3	0.3	0.3	0.3	0.3	0.3
4	BOD	10	5.2	6	3.0		8.2	6	3	8	6.4	8	8	10	10
5	Total	430	350	920	240		350	920	350	540	350	430	540	720	430
6	Boron as	0.5	0.5	0.5	0.5		0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7
7	Sodium	#	#	#	0.0		#	#	#	#	#	#	#	0.0	#
8	Total	682	618	982	384		776	780	352	926	736	988	1012	1112	980
9	Chloride	156	120	146	58		139	162	65	172	138	168	147	189	159
10	Sulphate	38	46	90	34		69	99	41	108	60	132	123	62	127
11	Chemical	122	79	48	48		118	63	27	76	106	94	106	90	126
12	Water	2.99	1.97	3.16	2.98		2.95	2.35	2.98	2.84	3.36	3.72	3.45	3.24	3.53
13	Fluoride	1.06	0.75	1.72	2.10		1.18	0.88	1.82	1.08	0.97	1.26	1.14	1.66	1.22
14	Nitrates	8.03	4.66	7.46	8.22		6.26	3.64	9.2	5.48	2.84	13.00	7.18	7.42	9.52
23	Sodium	#	#	#	0		#	#	#	#	#	#	#	0	#
24	Total	280	242	382	144		310	400	140	390	300	330	352	450	336
25	Calcium	154	134	240	96		174	245	90	240	168	170	190	90	188
	Ca^{+2}	61.6	53.6	96.0	38.4		69.6	98.0	36.0	96.0	67.2	68.0	76.0	36.0	75.2
	Mg^{+2}	30.6	26.2	34.5	11.7		33.0	37.7	12.2	36.5	32.1	38.9	39.4	87.5	36.0
CPCB Water Quality Criteria Class:		E	E	E	B	E	E		B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST
Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of January, 2023

CPCB Water Quality Criteria	Designated Best use
Class-A:	Drinking Water Source without conventional treatment but after
Class-B:	Outdoor bathing (Organised).
Class-C:	Drinking water source after conventional treatment and disinfection.
Class-D:	Propagation of Wild life and Fisheries.
Class-E:	Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class E:	Not meeting A, B, C, D and E criteria.

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SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

TELANGANA STATE POLLUTION CONTRO BOARD

ZONAL LABORATORY- WARANGAL - 14 Lakes Data for the Month of February, 2024

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Location		Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serilllugampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Ambeer cheruvu, Prgathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Balramalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Chervu, Nacharam, Rangareddy
Sample Code		2202	2203	2209	2210		2024	2350/2	2211	2208/1	2205	2206	2207	2212	2208
	Sample collected on	02.02.2024	02.02.2024	02.02.2024	02.02.2024		02.02.2024	02.02.2024	02.02.2024	02.02.2024	02.02.2024	02.02.2024	02.02.2024	02.02.2024	02.02.2024
	Sample Submitted on	05.02.2024	05.02.2024	05.02.2024	05.02.2024		05.02.2024	05.02.2024	05.02.2024	05.02.2024	05.02.2024	05.02.2024	05.02.2024	05.02.2024	05.02.2024
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	7.40	7.63	7.80	7.75	Dried up	7.68	7.48	7.56	7.50	7.79	7.20	7.48	7.34	7.61
2	Electrical Conductivity (µS/cm)	1438	1022	1714	807		1242	1573	654	1484	1203	1616	1610	1898	1584
3	Dissolved Oxygen (DO)	3.9	3.7	0.3	5.8		0.3	0.3	5.9	0.3	4.2	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	3	4	18	2.8		13	10	2	12	7	9	12	15	16
5	Total Coliform (Colonies per CC)	920	430	920	210		920	920	220	540	540	920	240	540	350
6	Boron as B	0.5	0.5	0.6	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	Sodium Absorption Ratio	#	#	#	#		#	#	#	#	#	#	#	#	#
8	Total Dissolved Solids	706	644	1078	492		756	990	398.0	920	746	1002	998	1196	988
9	Chlorides as Cl	109	131	179	113		166	157	84.0	176	164	186	196	158	194
10	Sulphates as SO_4^{-2}	64	76	114	68		104	97	51	109	88	102	124	98	112
11	Chemical Oxygen Demand (COD)	35	38	162	44		124	86	28	102	62	104	118	136	138
12	Water Soluble Phosphate as P	3.88	2.86	3.84	0.41		2.24	3.88	0.38	2.36	2.20	2.10	2.92	1.84	1.62
13	Fluoride as F	1.32	1.66	1.38	0.68		0.92	1.29	0.51	1.24	1.28	0.96	0.92	1.34	1.26
14	Nitrates as NO_3^-	13.60	13.20	15.86	2.14		9.00	7.84	2.1	6.12	10.70	14.60	12.20	14.74	6.00
23	Sodium (Na)	#	#	#	#		#	#	#	#	#	#	#	#	#
24	Total Hardness	295	265	450	200		274	405	165	380	230	370	386	500	366
25	Calcium Hardness (CaCO3)	180	195	280	120		168	250	100	230	180	228	238	310	224
	Ca^{+2}	72.0	70.0	112.0	48.0		67.2	100.0	40.0	92.0	72.0	91.2	95.2	124.0	89.6
	Mg^{+2}	27.9	21.9	41.3	19.4		25.8	37.7	15.8	36.5	12.2	34.5	36.0	46.2	34.5
	CPCB Water Quality Criteria Class:	E	E	E	B	E	E		B	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
T.S. Pollution Control Board,
Zonal Laboratory Hyderabad Zone
Warangal-506 001.

TGPCB, Zonal Laboratory, Warangal.

14 Lakes Data for the Month MARCH - 2024

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serilingampall y, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rajini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
	Sample Code	3232	3233	3239	3240		3234	3303	3241		3235	3236	3237	3242	3238
	Sample collected on	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024	06.03.2024
	Sample Submitted on	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024	07.03.2024
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	6.98	7.23	7.53	7.46	Dried up	7.39	7.48	7.42	7.92	7.43	7.50	7.56	7.68	7.30
2	Electrical Conductivity (µS/cm)	1169	1020	1918	892		1471	1672	663	1503	1361	1886	1853	1674	1795
3	Dissolved Oxygen (DO)	0.3	0.3	0.3	0.3		2.2	0.3	4.2	0.3	1.2	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	6.2	14	10	5.0		5.4	8	3	8	5.8	6.2	8	6	9
5	Total Coliform (Colonies per CC)	1600	280	430	170		430	430	140	540	430	540	430	540	350
6	Boron as B	0.5	0.5	0.5	0.5		0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5
8	Total Dissolved Solids	736	620	1208	552		898	998	418	932	820	1150	1148	1038	1130
9	Chlorides as Cl	177	180	114	192		225	312	143	202	212	298	288	198	254
10	Sulphates as SO_4^{-2}	114	119	64	116		133	86	83	108	153	96	153	122	145
11	Chemical Oxygen Demand (COD)	65	131	107	44		52	92	36	98	84	66	77	70	84
12	Water Soluble Phosphate as P	3.18	2.66	2.88	3.62		3.32	3.20	3.06	2.42	1.84	2.48	2.84	3.24	2.84
13	Fluoride as F	1.12	1.14	1.14	1.06		1.20	1.02	1.10	1.28	1.02	1.12	1.08	1.38	1.07
14	Nitrates as NO_3^-	#	#	#	#		#	#	#	#	#	#	#	#	#
15	Total Hardness	295	195	425	195		350	265	155	295	330	425	420	380	425
16	Calcium Hardness ($CaCO_3$)	200	130	275	130		230	140	95	180	202	265	275	235	265
	Ca^{+2}	80.0	52.0	110.0	52.0		92.0	56.0	38.0	72.0	80.8	106.0	110.0	94.0	106.0
	Mg^{+2}	23.1	15.8	36.5	15.8		29.2	30.4	14.6	27.9	31.1	38.9	35.2	35.2	38.9
	CPCB water quality classification	E	E	E	E		E	E	C	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

Class of Water use:
Class-A: Drinking Water Source without conventional treatment but after disinfection.
Class-B: Outdoor bathing (Organised).
Class-C: Drinking water source after conventional treatment and disinfection.
Class-D: Propagation of Wild life and Fisheries.
Class-E: Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class E: Not meeting A, B, C, D and E criteria.

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
Telangana Pollution Control Board,
Zonal Laboratory - Hyderabad Zone
Warangal-506 001.

TGPCB, Zonal Laboratory, Warangal

14 Lakes Data for the Month APRIL - 2024

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda , RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Serilingampa lli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Ambeer cheruvu, Pragathinagar, Medchal	Chinna Rayini Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowenpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheru, Nacharam, Rangareddy
	Sample Code	4141	4142	4148	4149		4143	4345/1	4150/1	4292/1	4144	4145	4146	4151	4147
	Sample collected on	03.04.2024	03.04.2024	03.04.2024	03.04.2024		03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024
	Sample Submitted on	06.04.2024	06.04.2024	06.04.2024	06.04.2024		06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024
S.NO.	Parameter	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values	Values
1	pH	7.85	7.69	7.93	7.03		7.69	7.56	8.97	7.66	8.06	7.97	8.06	7.33	7.89
2	Electrical Conductivity (µS/cm)	993	1013	1284	898		1320	1656	674	1486	1127	1332	1302	1899	1604
3	Dissolved Oxygen (DO)	0.6	0.3	0.3	0.3		0.3	0.3	4.2	0.3	1.1	0.3	0.3	0.3	0.3
4	BOD 3days at 27°C	18	8.4	8	6.1		12	6.2	2	10	5.8	14	12	8	14
5	Total Coliform (Colonies per CC)	430	350	430	110		540	120	70	540	350	430	430	920	540
6	Boron as B	0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
7	Total Dissolved Solids	594	610	828	556		790	1058	418	936	680	790	781	1198	962
8	Chlorides as Cl	130	164	97	122		162	220	98	220	160	181	146	189	184
9	Sulphates as SO_4^{-2}	86	120	82	64		98	88	34	66	88	102	76	164	106
10	Chemical Oxygen Demand (COD)	242	115	91	66		184	68	20	103	152	221	188	135	176
11	Water Soluble Phosphate as P	2.92	1.82	2.95	0.98		3.40	2.92	0.79	2.32	1.76	2.87	2.86	3.26	3.80
12	Fluoride as F	0.33	0.90	0.60	0.42		1.30	0.82	1.08	0.92	0.46	0.39	1.14	1.98	0.17
13	Nitrates as NO_3	#	#	#	#		#	#	#	#	#	#	#	#	#
14	Nickel as Ni	0.100	0.100	-	-		0.100	0.100	-	0.012	0.100	0.100	0.100	-	0.100
15	Lead as Pb	0.037	0.037	-	-		0.030	0.067	-	0.073	0.067	0.059	0.059	-	0.023
16	Zinc as Zn	0.149	0.124	-	-		1.037	0.017	-	0.037	0.052	0.046	0.244	-	0.274
17	Cadmium as Cd	0.020	0.020	-	-		0.020	0.022	-	0.020	0.020	0.020	0.020	-	0.020
18	Copper as Cu	0.030	0.030	-	-		0.030	0.030	-	0.030	0.030	0.030	0.030	-	0.030

Dried up

	Location	Sunnam Cheruvu, Borabanda, Hyderabad	Medikunta Cheruvu, (wipro) Nanakramguda, RR. Dist	Gowlidoddi Cheruvu, Gowlidoddi, RR. Dist	Nallagandla Cheruvu, Sarilingampalli, Rangareddy	Gangaram Pedda Cheruvu, Miyapur, Rangareddy	Amboor cheruvu, Pragathinagar, Medchal	Chinna Raylni Cheruvu, Alwal, Medchal	Chinna Damara Cheruvu, Dundigal, Medchal	Bairamalguda Cheruvu, L.B Nagar, Rangareddy	Durgam Cheruvu, Madapur, Medchal	Nalla Cheruvu, Nacharam	Hasmathpet Lake, Hasmathpet, Bowanpally, Rangareddy	Peerzadiguda Cheruvu, Peerzadiguda	Pedda Cheruvu, Nacharam, Rangareddy
	Sample Code	4141	4142	4148	4149		4143	4345/1	4150/1	4292/1	4144	4145	4146	4151	4147
	Sample collected on	03.04.2024	03.04.2024	03.04.2024	03.04.2024		03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024	03.04.2024
	Sample Submitted on	06.04.2024	06.04.2024	06.04.2024	06.04.2024		06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024	06.04.2024
19	Chromium as Cr	0.079	0.079	-	-		0.079	0.165	-	0.157	0.134	0.134	0.134	-	0.052
20	Iron as Fe	0.627	0.514	-	-		0.085	0.270	-	0.098	0.118	0.670	0.650	-	0.078
21	Total Hardness	225	190	390	160		285	390	136	340	265	340	370	332	370
22	Calcium Hardness (CaCO3)	195	150	264	92		255	236	76	210	155	175	190	226	190
	Ca^{+2}	78.0	60.0	105.6	36.8		102.0	94.4	30.4	84.0	62.0	70.0	76.0	90.4	76.0
	Mg^{+2}	7.3	9.7	87.2	31.3		61.7	87.2	25.5	31.6	26.7	40.1	43.7	25.8	43.7
	CPCB water quality classification	E	E	E	E		E	E	C	E	E	E	E	E	E

Remarks: # Indicate not analysed due to instrument problem

SENIOR ENVIRONMENTAL SCIENTIST

Senior Environmental Scientist
Telangana Pollution Control Board,
Zonal Laboratory - Hyderabad Zone
Warangal-506 001.

Class of Water use :
Class-A: Drinking Water Source without conventional treatment but after disinfection.
Class-B: Outdoor bathing (Organised).
Class-C: Drinking water source after conventional treatment and disinfection.
Class-D: Propagation of Wild life and Fisheries.
Class-E: Irrigation, Industrial Cooling, Controlled Waste disposal.
Below Class E: Not meeting A, B, C, D and E criteria.

-56-

ANNEXURE-III

ANNEXURE-III

TELANGANA STATE POLLUTION CONTROL BOARD
REGIONAL OFFICE , RANGAREDDY DISTRICT
H.No.6-3-1219, Block C, Ward No.91, 2nd Floor, Backside of Country Club, Kundanbagh, Umanagar, Begumpet, Hyderabad - 500016.

M. Venkat Narsu,
Environmental Engineer
Email:ee-rr1-tspcb@telangana.gov.in

Lr.No. 8/Gen/PCB/RO-RRD/2023- 1716 Date: 20.04.2023.

DESPATCHED On 20/04/2023

To
The Commissioner,
Greater Hyderabad Municipal Corporation (GHMC),
CC Complex, Tank Bund Road,
Lower Tank Bund, Hyderabad- 500063

Sir,

Sub: TSPCB – RO, RR District – Monitoring of 185 Lakes in and around of GHMC area- Lake contaminated status based on analysis results - Submitted - Reg.

Ref: Analysis data retrieved from TSPCB official website.

***

It is to submit that, Telangana State Pollution Control Board is monitoring 185 lakes in and around of GHMC area under GHMC 185 lakes & NWMP program on monthly basis. The analysis data has been uploading in the TSPCB official website. The analysis results **list is enclosed** of various lakes falls under Regional office, Rangareddy jurisdiction and lakes have been categorized as per CPCB water quality criteria class as mentioned below.

CPCB Water Quality Criteria					
Parameters	A	B	C	D	E
pH	6.5 — 8.5	6.5 — 8.5	6.0 — 9.0	6.5 — 8.5	6.0 — 8.5
Electrical conductivity	-	-	-	-	Max 2250
Dissolved oxygen	6 or >6	5 or >5	4 or >4	4 or >4	-
BOD 3 at 27 C	2 or<2	3 or<3	3 or<3	-	-
Free Ammonia	-	-	-	1.2 or <1.2	-
SAR	-	-	-	-	Max 26
Boron	-	-	-	-	Max 2
Total coliform	50 or < 50	500 or < 500	5000 or < 5000	-	-

CPCB Water quality criteria class:

A- Drinking water source without conventional treatment but after disinfection
B- Outdoor bathing (Organized)
C- Drinking water source after conventional treatment and disinfection
D- Propagation of wild life and fisheries
E- Irrigation and industrial cooling controlled waste disposal
Below E- Not meeting A, B, C, D, E criteria

As per the analysis results (October, November, December, 2022 attached) most of the lakes falls under CPCB water quality criteria **class E category**, which are not useful for drinking, outdoor bathing & wild life and fisheries.

Submitted for kind information and necessary action.

Yours faithfully,

ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER
Telangana State POLLUTION CONTROL BOARD REGIONAL OFFICE - I,
RANGA REDDY DISTRICT.

Greater Hyderabad Municipal Corporation
eOffice Acknowledgement

Centralized Inward Monitoring System

Acknowledgement
(Office Copy)

Inward No :	GVT2023046186	**Inward Date :**	20/APR/
Letter No :	8/Gen/PCB/RO-RRD/2023-1716	**Letter on Date :**	20/APR/
File No :	Nil	**No. of pages in File :**	5

Received From:

Name Of Officer :	Telangana State pollution control board	**Designation :**	Telangar
Department :	Telangana State pollution control board	**Department Address :**	Hyderab
Subject :	TSPCB - RO RR District - Monitoring of 185 lakes in and arounc staus based on analysis result - submitted - Reg.		
Ramarks :	Forwarded to Commissioner		

Forwarded To :

The Analysis data of lakes in the jurisdiction of Regional office, Rangareddy, TSPCB for the month of DECEMBER 2022 retrieved from TSPCB official website										
		Parameters analysed in the TSPCB Board laboratory								
Sl.No	Name of the lake with address	DO	pH	Conductivity (mS/cm)	BOD (mg/L)	Total coliform (MPN/100ml)	Free Ammonia	Boron (mg/L)	SAR	CPCB water quality criteria
1	Bathukamma Kunta , Sahebnagar , Hayathnagar , RR	0.3	7.46	1258	4.0	540	0.048	0.5		E
2	ISB Lake , Gachibowli , Serilingampally , RR	5.6	7.47	1226	5	650	BDL	BDL	1.25	D
3	Chilukala Kunta , Gachibowli , Serilingampally , RR	6.9	7.18	696	2.6	150	BDL	BDL	1.86	B
4	Ranganna Kunta , Kothaguda , Serilingampally , RR	6.2	7.90	528	2.4	430	0.018	0.5		B
5	Kondapur Forest lake , Kothaguda , Serilingampally , RR	6.5	7.72	487	1.8	210	0.013	0.5		A
6	Botanical Garden Lake (KBR Park) , Kothaguda , Serilingampally , RR	6.6	7.86	269	1.2	150	0.018	0.5		A
7	Barla Kunta , Gachibowli , Serlingampally , RR	0.3	6.58	1057	10.0	430	0.006	0.5		E
8	Gosai Kunta , Gopanpally , Serlingampally , RR	2.0	7.25	890	2.8	430	0.012	0.5		E
9	Edgavani Kunta , Gopanpally , Serlingampally , RR	5.8	7.50	653	1.6	350	0.016	0.5		B
10	Neerla Cheruvu , Kothaguda , Serlingampally , RR	5.4	7.27	560	2.0	350	0.018	0.5		B
11	Erla Cheruvu , Madinaguda , Serlingampally , RR	0.3	7.40	1386	12.0	430	0.022	0.5		E
12	Nalagandla Cheruvu , Nalagandla , Serlingampally , RR	6.3	7.51	697	3	350	-	0.5		B

13	Chintal Cheruvu (EMAAR Properties) , Nanakramguda ,	4.4	7.26	1352	6	780	BDL	BDL	1.44	D
14	Mallai Kunta , Chandanagar , Serilingampally , RR	5.8	7.23	1104	5	680	BDL	BDL	1.23	D
15	Mamidla Kunta , Gaganphad , Rajendranagar , RR	0.3	7.53	2112	5.6	540	0.052	0.5		E
16	Suleman Cheruvu,Kathedan,Rajendranagar,R	1.2	7.40	1415	8.0	540	0.068	0.5		E
17	NIRD RTP 1 Lake , Rajendranagar , Rajendranagar , RR	2.8	7.68	313	4.0	120	0.01	0.5		E
18	NIRD RTP 2 Lake,Rajendranagar,	5.6	7.31	320	2.2	240	0.009	0.5		B
19	Talla Kunta , UPPARPALLI , Rajendranagar , RR	4.8	7.11	815	2.6	350	0.027	0.5		C
20	Malka Cheruvu , UPPARPALLI , Rajendranagar , RR	0.3	7.34	1784	6.0	540	0.036	0.5		E
21	Bhagirathamma Cheruvu , Poppalguda , Gandipet , RR	0.3	7.35	1399	8.0	540	0.038	0.5		E
22	Chinna Cheruvu , Ramanthapur , Uppal , Medchal- Malkajgiri*	0.3	7.29	894	8.0	540	0.014	0.5	NA	E
23	Baathula Cheruvu , Anmagal , Hayathnagar , RR	0.3	7.36	1388	6.0	540	0.027	0.51	NA	E
24	Kummari Kunta , Anmagal , Hayathnagar , RR	0.3	7.42	1378	10.0	430	0.028	0.5	NA	E
25	Shanthisaravor Pond , GACCHIBOWLI , Serilingampally ,	5.8	7.99	710	1.2	350	0.021	0.5	NA	B
26	TCS Senergy Park Lake , Gachibowli , Serilingampally , RR	5.4	8.04	686	1.8	350	0.028	0.5	NA	B
27	Raja Mahammed Kunta (Maska Kunta) , Hafeezpet , Serilingampally	0.3	7.57	1731	24.0	540	0.033	0.61	NA	E

28	Mondi Kunta , Khanamet , Serilingampally , RR	0.3	7.15	1406	10.0	540	0.012	0.56	NA	**E**
29	Kotha Cheruvu (Novatel Lake) , Khanamet , Serilingampally , RR	1.0	7.85	1195	5.2	430	0.093	0.62	NA	**E**
30	Kotha Kunta , Hafeezpet , Serlingampally , RR	0.3	7.74	1875	7.0	430	0.016	0.5	NA	**E**
31	Kaidamma Kunta , Hafeezpet , Serlingampally , RR	0.3	7.49	1742	22.0	540	0.046	0.5	NA	**E**
32	Thammidi Kunta , Khanamet , Serlingampally , RR	0.3	7.38	1189	10.0	540	0.020	0.56	NA	**E**
33	Malka Cheruvu , Raidurg , Serlingampally , RR	4.2	8.44	1126	10	>1600	BDL	NA	3.7	**D**
34	Erra Kunta , Laxmiguda , Rajendranagar , RR	0.3	7.23	1724	14.0	540	0.024	0.5	NA	**E**
35	Pale Cheruvu,KATEDHAN,Rajendranagar	0.3	7.76	1611	10.0	540	0.075	0.5	NA	**E**
36	Palle Cheruvu , Mylardevpalli , Rajendranagar , RR	1.2	7.03	1404	5.0	540	0.014	0.5	NA	**E**
37	Mulagurd Lake (PJAU) , Rajendranagar , Rejendranagar , RR	0.3	7.42	2431	12.0	540	0.058	0.62	NA	**Below E**
38	Pathi Kunta , Budvel , Rajendranagar , RR	3.8	7.76	712	2.8	430	0.016	0.5	NA	**E**
39	Yellamma Cheruvu , Manikonda , Gandipet , RR	0.3	7.73	1469	8	430	1.89	0.5	NA	**E**
40	Pedda Cheruvu , Ibrahimbagh , Gandipet , RR	5.2	7.51	1245	2.8	540	0.039	0.56	NA	**B**
41	Bairamalaguda Cheruvu, Medchal-Malkajigiri District.	0.3	7.18	1369	8.0	430	0.011	0.5	NA	**E**
42	Durgam cheruvu	3.2	7.52	756	5.2	350	0.009	0.5	NA	**E**

43	Nalla cheruvu	0.3	7.68	1520	6.0	540	0.096	0.5	NA	E
44	Pedda Cheruvu Nacharam	0.3	7.43	1410	12.0	430	0.016	0.5	NA	E
45	Noor Md. Kunta	0.3	7.61	1481	10.0	430	0.098	0.5	NA	E
46	Mullakatwa Cheruvu, Hi Tech City, Madhapur,	0.3	7.72	1311	10.0	540	0.047	0.5	NA	E
47	Medi Kunta (Wipro Lake), Nanakramguda	1.4	7.69	901	4.0	540	0.013	0.5	NA	E
48	Medikunta lake (BK Enclave)	1.0	7.60	1303	5.2	540	0.041	0.5	NA	E
49	Meedi Kunta, Hafeezpet (V), Serlingampally	5.4	7.86	538	2.4	430	0.023	0.5	NA	B
50	Patel Cheruvu, Nacharam, Medchal-Malkajigiri District.	0.3	7.25	1254	8.0	540	0.018	0.6	NA	E
51	Nagole Cheruvu, Uppal Malkajigiri District.	0.3	7.31	1112	7.0	540	0.012	0.61	NA	E
52	Ramanthapur Cheruvu, Medchal-Malkajigiri District.	0.3	7.17	982	14.0	350	0.009	0.5	NA	E
53	Patel Cheruvu, Madeenaguda, Miyapur	0.3	7.66	1350	12.0	590	0.036	0.5	NA	E
54	Mannevari Kunta, Machabollaram (V), Alwal	0.3	7.32	1305	12.0	430	0.013	0.50	NA	E
55	Kaprai Cheruvu, RamanthpurMedchal-Malkajigiri	5.6	7.66	552	1.0	220	0.016	0.5	NA	B
56	Large tank, Saroornagar, Rangareddy District.	0.3	7.34	1240	8.0	430	0.018	0.5	NA	E
57	Lingam kunta lake Chandanagar,Serilingampally,	0.3	7.51	1353	6.0	540	0.028	0.5	NA	E

58	Pedda Cheruvu - Khaja guda, Khajaguda (V), Serlingampally (new	4.0	7.43	1573	21.0	920	0.320	NA	4.0	D
59	Pedda Cheruvu, Mansoorabad, Saroornagar, Rangareddy District.	0.3	7.28	721	7.0	240	0.009	0.5	NA	E
60	Bandlaguda Cheruvu, Bandlaguda, Uppal, Medchal Dist.	0.3	7.14	1269	10.0	430	0.018	0.5	NA	E
61	Pathulguda, Uppal, Medchal Dist.	2.8	7.65	1179	2.4	430	0.031	0.5	NA	E
62	Bakshi Kunta, Chandhanagar, Serilingampally, rangareddy Dist.	5.2	7.45	800	1.2	430	0.014	0.6	NA	B
63	Ramamma Kunta, Gachibowli, Rangareddy Dist.	5.2	7.54	884	1.0	430	0.016	0.5	NA	B
64	Komati Kunta, Gopanpally, Serilingampally, Rangareddy Dist.	5.2	7.72	786	1.6	350	0.019	0.5	NA	B
65	Chinna Pedda Cheruvu, Gopanpally, Serilingampally, Rangareddy Dist.	5.2	7.67	534	1.2	430	0.011	0.5	NA	B
66	Kudi Kunta, (Gaothami Lake), Kondapur, Serilingampally,	0.3	7.64	1442	12.0	540	0.025	0.5	NA	E
67	Regula Kunta, Miyapur, Serilingampally, Rangareddy Dist.	4.8	7.72	780	2.4	540	0.020	0.5	NA	C
68	Gopi Cheruvu, Lingampally, Serilingampally, Rangareddy Dist.	0.3	7.64	1261	10.0	540	0.038	0.5	NA	E
69	Chakaalavani Cheruvu, Lingampally, Serilingampally, rangareddy Dist.	1.2	7.66	1191	5.2	430	0.049	0.5	NA	E
70	Peddakudi Cheruvu, Maqta Mahaboobpet,Serilingampally,	1.2	7.65	916	5.2	430	0.061	0.5	NA	E
71	Gurunath Cheruvu, Miyapur, Serilingampally, rangareddy Dist.	1.0	7.71	945	5.8	430	0.032	0.5	NA	E
72	Nanakram Kunta, Nanakraamguda,	4.4	7.69	967	2.8	430	0.035	0.5	NA	C

The Analysis data of lakes in the jurisdiction of Regional office, Rangareddy, TSPCB for the month of NOVEMBER 2022 retrieved from TSPCB official website										
		Parameters analysed in the TSPCB Board laboratory								
Sl.No	Name of the lake with address	DO	pH	Conductivity (mS/cm)	BOD (mg/L)	Total coliform (MPN/100ml	Free Ammonia	Boron (mg/L)	SAR	CPCB water quality criteria
1	Bathukamma Kunta , Sahebnagar , Hayathnagar , RR	1.1	7.58	1117	4.0	430	0.009	0.5	NA	E
2	Pochamma Kunta , Gachibowli , Serilingampally , RR	Nil	7.57	2192	6.0	430	0.043	0.5	NA	E
3	ISB Lake , Gachibowli , Serilingampally , RR	5.7	7.55	1182	6	630	0.01	0.5	1.32	D
4	Chilukala Kunta , Gachibowli , Serilingampally , RR	6.8	7.70	645	3	130	0.01	0.5	0.92	B
5	Ranganna Kunta , Kothaguda , Serilingampally , RR	4.3	7.26	405	3.2	350	0.004	0.5	NA	D
6	Kondapur Forest lake , Kothaguda , Serilingampally , RR	5.0	7.66	473	1.8	220	0.011	0.5	NA	B
7	Botanical Garden Lake (KBR Park) , Kothaguda , Serilingampally , RR	5.4	7.62	274	2.0	220	0.010	0.5	NA	B
8	Barla Kunta , Gachibowli , Serlingampally , RR	5.0	7.59	785	2.8	350	0.023	0.5	NA	B
9	Gosai Kunta , Gopanpally , Serlingampally , RR	5.0	7.24	750	2.2	430	0.012	0.5	NA	B
10	Edgavani Kunta , Gopanpally , Serlingampally , RR	5.2	7.29	631	2.0	430	0.010	0.5	NA	B
11	Neerla Cheruvu , Kothaguda , Serlingampally , RR	2.2	7.12	493	2.0	280	0.003	0.5	NA	E
12	Erla Cheruvu , Madinaguda , Serlingampally , RR	Nil	7.57	1216	8.0	350	1.320	0.5	NA	E

13	Nalagandla Cheruvu , Nalagandla , Serlingampally , RR	3.9	7.37	628	3	350	-	0.5	-	E
14	Chintal Cheruvu (EMAAR Properties) , Nanakramguda ,	4.5	7.39	1228	5	750	0.01	0.5	1.39	D
15	Mallai Kunta , Chandanagar , Serilingampally , RR	5.9	7.62	1056	5	640	0.01	0.5	1.15	D
16	Mamidla Kunta , Gaganphad , Rajendranagar , RR	Nil	7.66	1698	6.0	540	0.053	0.5	NA	E
17	Appa Cheruvu , Laxmiguda , Rejendranagar , RR	2.6	7.40	1593	4.8	430	0.034	0.5	NA	E
18	Suleman Cheruvu,Kathedan,Rajendranagar,	0.3	7.75	1366	6.0	540	0.064	0.5	NA	E
19	NIRD RTP 1 Lake , Rajendranagar , Rajendranagar , RR	5.9	7.12	256	1.2	110	0.003	0.5	NA	B
20	NIRD RTP 2 Lake,Rajendranagar,	4.2	7.93	1466	2.8	220	0.082	0.5	NA	C
21	Talla Kunta , UPPARPALLI , Rajendranagar , RR	Nil	6.97	678	6.0	350	0.033	0.5	NA	E
22	Bhagirathamma Cheruvu , Poppalguda , Gandipet , RR	1.2	7.48	1086	3.0	430	0.031	0.5	NA	E
23	Chinna Cheruvu , Ramanthapur , Uppal , Medchal- Malkajgiri*	0.3	7.29	789	10.0	540	0.012	0.5	NA	E
24	Baathula Cheruvu , Anmagal , Hayathnagar , RR	3.3	7.37	1199	3.0	540	0.026	0.5	NA	E
25	Kummari Kunta , Anmagal , Hayathnagar , RR	3.4	7.36	1096	3.2	350	0.023	0.5	NA	E
26	Shanthisaravor Pond , GACCHIBOWLI , Serilingampally ,	4.0	7.97	521	1.0	430	0.020	0.5	NA	C
27	TCS Senergy Park Lake , Gachibowli , Serilingampally , RR	4.0	7.99	611	1.2	350	0.021	0.5	NA	C
28	Raja Mahammed Kunta (Maska Kunta) , Hafeezpet ,	0.3	7.34	1688	8.0	540	0.015	0.5	NA	E

29	Mondi Kunta , Khanamet , Serilingampally , RR	0.3	7.24	1330	8.0	540	0.016	0.5	NA	**E**
30	Kotha Cheruvu (Novatel Lake) , Khanamet , Serilingampally , RR	0.3	7.37	1152	8.0	430	0.025	0.5	NA	**E**
31	Kotha Kunta , Hafeezpet , Serlingampally , RR	4.1	7.51	693	1.0	430	0.007	0.5	NA	**C**
32	Kaidamma Kunta , Hafeezpet , Serlingampally , RR	0.3	7.22	1663	6.0	540	0.023	0.5	NA	**E**
33	Thammidi Kunta , Khanamet , Serlingampally , RR	0.3	7.39	1032	8.0	540	0.016	0.5	NA	**E**
35	Erra Kunta , Laxmiguda , Rajendranagar , RR	0.3	7.51	1444	14.0	540	0.024	0.5	NA	**E**
36	Pale Cheruvu,KATEDHAN,Rajendranag	0.3	7.29	1542	12.0	540	0.023	0.5	NA	**E**
37	Palle Cheruvu , Mylardevpalli , Rajendranagar , RR	3.4	6.94	1277	2.0	540	0.098	0.5	NA	**E**
38	Mulagurd Lake (PJAU) , Rajendranagar , Rejendranagar ,	0.3	7.22	2386	10.0	430	0.034	0.5	NA	**Below E**
39	Pathi Kunta , Budvel , Rajendranagar , RR	4.0	7.14	667	1.2	430	0.004	0.5	NA	**C**
40	Yellamma Cheruvu , Manikonda , Gandipet , RR	0.3	7.55	1180	6.0	430	0.023	0.5	NA	**E**
41	Pedda Cheruvu , Ibrahimbagh , Gandipet , RR	2	7.53	1102	4.0	540	0.051	0.5	NA	**E**
42	Bairamalaguda Cheruvu, Medchal-Malkajigiri District.	0.3	7.24	1232	8.0	430	0.010	0.5	NA	**E**
43	Durgam cheruvu	4.0	7.41	723	3.2	350	0.009	0.5	NA	**D**
44	Nalla cheruvu	0.3	7.26	1509	6.0	540	0.024	0.5	NA	**E**
45	Pedda Cheruvu Nacharam	0.3	7.65	1287	8.0	430	0.031	0.5	NA	**E**

46	Noor Md. Kunta	0.3	7.48	1556	8.0	430	0.077	0.5	NA	E
47	Mullakatwa Cheruvu, Hi Tech City, Madhapur,	0.3	7.52	1226	6.0	540	0.024	0.5	NA	E
48	Surram Cheruvu (Palle Cheruvu), Bandlaguda (V), Bandlaguda (new	0.3	7.56	1570	6.0	430	0.022	0.5	NA	E
49	Medi Kunta (Wipro Lake), Nanakramguda	3.2	7.47	869	3.0	430	0.007	0.5	NA	E
50	Medikunta lake (BK Enclave)	3.2	7.38	893	2.0	430	0.006	0.5	NA	E
51	Meedi Kunta, Hafeezpet (V), Serlingampally	4.5	7.63	506	1.6	430	0.009	0.5	NA	C
52	Patel Cheruvu, Nacharam, Medchal-Malkajigiri District.	0.3	7.50	1158	6.0	540	0.029	0.5	NA	E
53	Nagole Cheruvu, Uppal Malkajigiri District.	3	6.94	1033	2.6	540	0.004	0.5	NA	E
54	Ramanthapur Cheruvu, Medchal-Malkajigiri District.	2.5	6.81	1067	2.0	350	0.005	0.5	NA	E
55	Patel Cheruvu, Madeenaguda, Miyapur	3.3	7.24	1055	2.4	430	0.010	0.5	NA	E
56	Kaprai Cheruvu, RamanthpurMedchal-Malkajigiri	3.6	7.23	504	1.6	220	0.006	0.5	NA	E
57	Large tank, Saroornagar, Rangareddy District.	3.1	7.48	1209	2.6	430	0.022	0.5	NA	E
58	Lingam kunta lake Chandanagar,Serilingampally,	1.4	7.60	1154	4.0	430	0.030	0.5	NA	E
60	Bulbul kunta, Lakshmiguda, rajendranagar	0.3	7.14	1516	6.0	430	0.011	0.5	NA	E
61	Pedda Cheruvu, Mansoorabad, Saroornagar, Rangareddy District.	3.8	7.08	567	1.6	220	0.005	0.5	NA	E
62	Bandlaguda Cheruvu, Bandlaguda, Uppal, Medchal Dist.	0.3	7.35	1168	6.0	430	0.027	0.5	NA	E

63	Pathulguda, Uppal, Medchal Dist.	1	7.81	1069	5.2	430	0.046	0.5	NA	E
64	Yellamma Cheruvu, Kukatpally, Medchal- Malkajgiri Dist.	0.3	7.32	1289	8.0	430	0.016	0.5	NA	E
65	Bakshi Kunta, Chandhanagar, Serilingampally, rangareddy Dist.	3.0	7.64	706	4.0	430	0.017	0.5	NA	E
66	Ramamma Kunta, Gachibowli, Rangareddy Dist.	0.3	7.97	805	8.0	430	0.034	0.5	NA	E
67	Komati Kunta, Gopanpally, Serilingampally, Rangareddy Dist.	4.0	7.21	725	2.2	350	0.007	0.5	NA	C
68	Chinna Pedda Cheruvu, Gopanpally, Serilingampally,	4.2	7.27	488	1.4	430	0.004	0.5	NA	C
69	Nayanamma Kunta, (Basupalli Cheruvu), Haffezpet,	4.2	7.69	855	1.0	430	0.044	0.5	NA	C
70	Kudi Kunta, (Gaothami Lake), Kondapur, Serilingampally,	0.3	7.39	714	6.0	430	0.005	0.5	NA	E
71	Regula Kunta, Miyapur, Serilingampally, Rangareddy Dist.	1.0	7.33	939	3.0	350	0.006	0.5	NA	E
72	Gopi Cheruvu, Lingampally, Serilingampally, Rangareddy Dist.	0.3	7.41	933	10.0	430	0.019	0.5	NA	E
73	Chakaalavani Cheruvu, Lingampally, Serilingampally,	0.3	7.40	1090	6.0	430	0.024	0.5	NA	E
74	Peddakudi Cheruvu, Maqta Mahaboobpet,Serilingampally,	0.3	7.40	1468	6.0	540	0.033	0.5	NA	E
75	Gurunath Cheruvu, Miyapur, Serilingampally, rangareddy Dist.	3.6	7.21	843	2.0	430	0.011	0.5	NA	E
76	Nanakram Kunta, Nanakraamguda,	2.2	7.16	592	4.0	430	0.008	0.5	NA	E

The Analysis data of lakes in the jurisdiction of Regional office, Rangareddy, TSPCB for the month of OCTOBER 2022 retrieved from TSPCB official website										
		Parameters analysed in the TSPCB Board laboratory								
Sl.No	Name of the lake with address	DO	pH	Conductivity (mS/cm)	BOD (mg/L)	Total coliform (MPN/100ml	Free Ammonia	Boron (mg/L)	SAR	CPCB water quality criteria
1	Bathukamma Kunta , Sahebnagar , Hayathnagar , RR	2.0	7.64	974	4.0	350	0.013	0.5	NA	E
2	Pochamma Kunta , Gachibowli , Serilingampally , RR	0.3	8.17	1889	8.0	540	0.169	0.5	NA	E
3	ISB Lake , Gachibowli , Serilingampally , RR	5.9	7.76	1020	6	610	BDL	BDL	1.34	D
4	Peacock lake (HCU) , Gachibowli , Serilingampally , RR	5.7	7.64	1150	4	580	BDL	BDL	1.33	D
5	Chilukala Kunta , Gachibowli , Serilingampally , RR	7.0	7.47	520	2.4	110	BDL	BDL	0.84	B
6	Ranganna Kunta , Kothaguda , Serilingampally , RR	4.0	8.56	367	1.8	280	0.075	0.5	NA	Below E
7	Kondapur Forest lake , Kothaguda , Serilingampally , RR	5.0	8.08	512	1.1	350	0.028	0.5	NA	D
8	Botanical Garden Lake (KBR Park) , Kothaguda , Serilingampally , RR	5.5	8.16	224	1.0	170	0.033	0.5	NA	D
9	Barla Kunta , Gachibowli , Serlingampally , RR	3.2	7.96	647	2.0	280	0.035	0.5	NA	E
10	Gundla Kunta (HCU) , Gachibowli , Serlingampally , RR	6.9	7.41	956	2.3	350	BDL	BDL	1.15	B
11	Gunneru Kunta (HCU) , Gachibowli , Serlingampally , RR	7.3	7.32	613	3	150	BDL	BDL	0.86	B
12	Gosai Kunta , Gopanpally , Serlingampally , RR	4.0	7.99	667	2.1	350	0.029	0.5	NA	C

13	Medla Kunta (Devuni Kunta) , Gopanpally , Serlingampally , RR	5.8	7.43	1076	7	720	BDL	BDL	1.28	**D**
14	Edgavani Kunta , Gopanpally , Serlingampally , RR	3.0	8.08	630	3.2	280	0.061	0.5	NA	**E**
15	Neerla Cheruvu , Kothaguda , Serlingampally , RR	3.8	8.01	435	2.0	350	0.026	0.5	NA	**E**
16	Erla Cheruvu , Madinaguda , Serlingampally , RR	2.2	7.85	874	4.0	430	0.041	0.5	NA	**E**
17	Nalagandla Cheruvu , Nalagandla , Serlingampally , RR	4.6	7.43	629	2.2	430		0.5		**C**
18	Chintal Cheruvu (EMAAR Properties) , Nanakramguda , Serlingampally ,	4.6	7.57	1164	5	730	BDL	BDL	1.38	**D**
19	Mallai Kunta , Chandanagar , Serilingampally , RR	6.1	7.40	982	4	620	BDL	BDL	1.04	**D**
20	Mamidla Kunta , Gaganphad , Rajendranagar , RR	0.3	7.78	1568	8.0	430	0.060	0.5	NA	**E**
21	Appa Cheruvu , Laxmiguda , Rejendranagar , RR	0.3	7.32	1556	12.0	540	0.033	0.5	NA	**E**
22	Suleman Cheruvu,Kathedan,Rajendranagar,R	0.3	7.40	1150	6.0	430	0.013	0.5	NA	**E**
23	NIRD Lake , Rajendranagar , Rajendranagar , RR	2.2	8.11	1068	4.0	540	0.09	0.50		**E**
24	NIRD RTP 1 Lake , Rajendranagar , Rajendranagar , RR	5.0	8.15	226	1.0	120	0.03	0.5	NA	**B**
25	NIRD RTP 2 Lake,Rajendranagar,	5.0	7.92	257	1.1	110	0.021	0.5	NA	**B**
26	Talla Kunta , UPPARPALLI , Rajendranagar , RR	4.8	7.96	458	1.2	220	0.030	0.5	NA	**C**
27	Bhagirathamma Cheruvu , Poppalguda , Gandipet , RR	0.3	7.79	1010	6.0	540	0.021	0.5	NA	**E**

28	Chinna Cheruvu , Ramanthapur , Uppal , Medchal- Malkajgiri*	0.3	7.40	771	12.0	540	0.015	0.5	NA	E
29	Baathula Cheruvu , Anmagal , Hayathnagar , RR	0.3	7.11	1373	8.0	540	0.012	0.5	NA	E
30	Kummari Kunta , Anmagal , Hayathnagar , RR	1.4	7.20	746	4.0	430	0.012	0.5	NA	E
31	Shanthisaravor Pond , GACCHIBOWLI , Serilingampally ,	3.2	7.66	281	2.0	430	0.011	0.5	NA	E
32	TCS Senergy Park Lake , Gachibowli , Serilingampally , RR	4.2	7.47	532	2.0	280	0.007	0.5	NA	C
33	Raja Mahammed Kunta (Maska Kunta) , Hafeezpet , Serilingampally ,	0.3	7.51	929	6.0	430	0.023	0.5	NA	E
34	Mondi Kunta , Khanamet , Serilingampally , RR	0.3	7.30	1244	6.0	540	0.025	0.5	NA	E
35	Kotha Cheruvu (Novatel Lake) , Khanamet , Serilingampally , RR	1.6	7.33	821	3.0	350	0.006	0.5	NA	E
36	Kotha Kunta , Hafeezpet , Serlingampally , RR	1.1	7.40	705	5.6	430	0.023	0.5	NA	E
37	Kaidamma Kunta , Hafeezpet , Serlingampally , RR	0.3	7.32	1245	6.0	540	0.008	0.5	NA	E
38	Thammidi Kunta , Khanamet , Serlingampally , RR	0.3	7.39	928	8.0	540	0.009	0.5	NA	E
39	Malka Cheruvu , Raidurg , Serlingampally , RR	Nil	7.61	1232	30	>1600	0.44	NA	2.6	E
40	Erra Kunta , Laxmiguda , Rajendranagar , RR	0.3	7.34	1507	10.0	540	0.029	0.5	NA	E
41	Pale Cheruvu,KATEDHAN,Rajendranagar	0.3	7.11	1523	8.0	540	0.011	0.5	NA	E
42	Palle Cheruvu , Mylardevpalli , Rajendranagar , RR	0.3	7.20	1140	0.6	540	0.010	0.5	NA	E

43	Mulagurd Lake (PJAU) , Rajendranagar , Rejendranagar , RR	0.3	7.65	2302	10	540	0.096	0.5	NA	**Below E**
44	Pathi Kunta , Budvel , Rajendranagar , RR	4.2	7.51	419	2.0	350	0.008	0.5	NA	**C**
45	Yellamma Cheruvu , Manikonda , Gandipet , RR	0.3	7.37	932	0.6	430	0.007	0.5	NA	**E**
46	Pedda Cheruvu , Ibrahimbagh , Gandipet , RR	3.4	7.32	899	3.0	430	0.005	0.5	NA	**E**
47	Bairamalaguda Cheruvu, Medchal-Malkajigiri District.	0.3	7.29	1076	8.0	430	0.019	0.5	NA	**E**
48	Durgam cheruvu	4.0	7.15	785	2.2	350	0.005	0.5	NA	**C**
49	Nalla cheruvu	0.3	7.14	1289	8.0	540	0.019	0.5	NA	**E**
50	Pedda Cheruvu Nacharam	0.3	7.35	1063	6.0	350	0.018	0.5	NA	**E**
51	Noor Md. Kunta	0.3	7.22	899	10.0	350	0.012	0.5	NA	**E**
52	Mullakatwa Cheruvu, Hi Tech City, Madhapur,	0.3	7.32	971	2.0	540	0.010	0.5	NA	**E**
53	Surram Cheruvu (Palle Cheruvu), Bandlaguda (V), Bandlaguda (new	0.3	8.11	1178	1.8	430	0.083	0.5	NA	**E**
54	Pedda Cheruvu, Gangaram (V), Serilingarampally (New Mandal)	1.0	7.39	819	2.0	430	0.006	0.5	NA	**E**
55	Medi Kunta, Guttala begumpet (V)	2.8	7.31	662	2.0	350	0.005	0.5	NA	**E**
56	Medi Kunta (Wipro Lake), Nanakramguda	3.2	7.42	721	2.2	430	0.007	0.5	NA	**E**
57	Medikunta lake (BK Enclave)	3.2	7.28	497	1.0	430	0.005	0.5	NA	**E**

58	Meedi Kunta, Hafeezpet (V), Serlingampally	4.8	7.55	501	1.2	430	0.010	0.5	NA	C
59	Nagole Cheruvu, Uppal Malkajigiri District.	2.2	7.23	808	2.0	540	0.013	0.5	NA	E
60	Ramanthapur Cheruvu, Medchal-Malkajigiri District.	2	7.22	842	1.2	350	0.012	0.5	NA	E
61	Patel Cheruvu, Madeenaguda, Miyapur	3.4	7.40	762	2.0	430	0.009	0.5	NA	E
62	Kaprai Cheruvu, RamanthpurMedchal-Malkajigiri	3.2	7.34	486	4.0	280	0.006	0.5	NA	E
63	Large tank, Saroornagar, Rangareddy District.	0.3	7.18	1089	6.0	430	0.016	0.5	NA	E
64	Lingam kunta lake Chandanagar,Serilingampally,	2.2	7.38	979	2.0	430	0.018	0.5	NA	E
65	Pedda Cheruvu - Khaja guda, Khajaguda (V), Serlingampally (new	5.7	8.94	868	7	>1600	1.6	NA	2.7	Below E
66	Bulbul kunta, Lakshmiguda, rajendranagar	0.3	7.82	2164	14.0	430	0.123	0.5	NA	E
67	Pedda Cheruvu, Mansoorabad, Saroornagar, Rangareddy District.	0.3	7.17	506	6.0	280	0.004	0.5	NA	E
68	Bandlaguda Cheruvu, Bandlaguda, Uppal, Medchal Dist.	0.3	7.28	1017	6.0	430	0.018	0.5	NA	E
69	Pathulguda, Uppal, Medchal Dist.	1.2	7.79	826	4.0	430	0.013	0.5	NA	E
70	Bakshi Kunta, Chandhanagar, Serilingampally, rangareddy Dist.	3.8	7.21	596	2.4	350	0.004	0.5	NA	E
71	Ramamma Kunta, Gachibowli, Rangareddy Dist.	0.3	7.34	762	8.0	430	0.006	0.5	NA	E
72	Komati Kunta, Gopanpally, Serilingampally, Rangareddy Dist.	4.0	7.63	475	2.0	350	0.010	0.5	NA	C

73	Chinna Pedda Cheruvu, Gopanpally, Serilingampally, Rangareddy Dist.	3.8	7.41	748	2.0	430	0.006	0.5	NA	**E**
74	Nayanamma Kunta, (Basupalli Cheruvu), Haffezpet, Serilingalpally,	4.8	7.22	688	1.0	430	0.011	0.5	NA	**C**
75	Kudi Kunta, (Gaothami Lake), Kondapur, Serilingampally,	0.3	7.40	978	4.0	430	0.010	0.5	NA	**E**
76	Regula Kunta, Miyapur, Serilingampally, Rangareddy Dist.	1.2	7.28	671	3.2	350	0.005	0.5	NA	**E**
77	Gopi Cheruvu, Lingampally, Serilingampally, Rangareddy Dist.	0.3	7.48	1013	6.0	430	0.008	0.5	NA	**E**
78	Chakaalavani Cheruvu, Lingampally, Serilingampally, rangareddy Dist.	0.3	7.37	1026	6.0	430	0.023	0.5	NA	**E**
79	Peddakudi Cheruvu, Maqta Mahaboobpet,Serilingampally,	3.8	7.35	596	2.2	350	0.005	0.5	NA	**E**
80	Gurunath Cheruvu, Miyapur, Serilingampally, rangareddy Dist.	3.8	7.35	727	2.7	430	0.009	0.5	NA	**E**
81	Nanakram Kunta, Nanakraamguda,	2.6	7.55	529	2.0	350	0.009	0.5	NA	**E**

ANNEXURE-IV

TELANGANA POLLUTION CONTROL BOARD
REGIONAL OFFICE , RANGAREDDY DISTRICT
H.No.6-3-1219, Block C, Ward No.91, 2nd Floor, Backside of Country Club, Kundanbagh, Umanagar, Begumpet, Hyderabad - 500016.

Environmental Engineer Email:ee-rr1-tspcb@telangana.gov.in

Lr.No. 8/Gen/PCB/RO-RRD/2024- 445 **Date:** 10 .07.2024

To
The Chief Engineer (Housing &Lakes),
6th Floor, GHMC,
CC Complex, Lower Tank Bund,
Hyderabad- 500063.

Sir,

Sub: TGPCB – RO, RR District – Monitoring of 185 Lakes in and around of GHMC area in the jurisdiction of RO-RRD - Lake contaminated status based on analysis results - Submitted - Reg.

Ref: Analysis data retrieved from TSPCB official website.

***

It is to submit that, Telangana State Pollution Control Board is monitoring 185 lakes in and around of GHMC area under GHMC 185 lakes & NWMP program on monthly basis. The analysis data has been uploading regularly in the TSPCB official website. The monthly analysis results are available at *https://tspcb.cgg.gov.in/Pages/Envdata.aspx.* However, the analysis results for the period from Jan, 2024 to April, 2024 enclosed for ready reference, pertaining to the lakes located in Regional office, Rangareddy.

As per CPCB water quality criteria lakes have been categorized into different classes based on usage as mentioned below.

CPCB Water Quality Criteria					
Parameters	A	B	C	D	E
pH	6.5 — 8.5	6.5 — 8.5	6.0 — 9.0	6.5 — 8.5	6.0 — 8.5
Electrical conductivity	-	-	-	-	Max 2250
Dissolved oxygen	6 or >6	5 or >5	4 or >4	4 or >4	-
BOD 3 at 27 C	2 or<2	3 or<3	3 or<3	-	-
Free Ammonia	-	-	-	1.2 or <1.2	-
SAR	-	-	-	-	Max 26
Boron	-	-	-	-	Max 2
Total coliform	50 or < 50	500 or < 500	5000 or < 5000	-	-

Usage Criteria as per CPCB Water quality criteria class:

A- Drinking water source without conventional treatment but after disinfection
B- Outdoor bathing (Organized)
C- Drinking water source after conventional treatment and disinfection
D- Propagation of wild life and fisheries
E- Irrigation and industrial cooling controlled waste disposal
Below E- Not meeting A, B, C, D, E criteria

As per the analysis results from January to April 2024, most of the lakes are analyzed to be classified as **E category**, which are not useful for drinking, outdoor bathing & wild life and fisheries.

This is for kind information and for taking necessary measures to improve the water quality.

Yours faithfully,

ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER
Telangana Pollution Control Board,
Regional Office, Rangareddy.

ANNEXURE-V
[3393]

HIGH COURT FOR THE STATE OF TELANGANA AT HYDERABAD

TUESDAY, THE SIXTH DAY OF FEBRUARY

TWO THOUSAND AND TWENTY FOUR

:PRESENT:

THE HONOURABLE THE CHIEF JUSTICE ALOK ARADHE

AND

THE HONOURABLE SRI JUSTICE ANIL KUMAR JUKANTI

TAKEN UP WP NO: 14728 OF 2007

Between:

Mr. Anil C Dayakar, Executive Director, "Gamana" Non-Governmental Organisation Plot No.1, G-3 Arunodaya Colony, Madhapur, Hyderabad.

Petitioner

AND

1. The Government of AP., Represented by its, Principal Secretary, Revenue Department, Secretariat, Hyderabad.
2. The Government of A.P. rep by its Principal Secretary, Municipal Administration and Urban Development Department, Secretariat, Hyderabad.
3. The A.P. Pollution Control Board, Sanathnagar, Hyderabad, rep by its Member Secretary.
4. The Government of A.P., rep by its Principal Secretary, Environment, Forest, Science and Technology Department, Secretariat, Hyderabad
5. The Greater Hyderabad Municipal Corporation, rep by its Commissioner, Tank Bund, Hyderabad.
6. The District Collector, Hyderabad District, at Hyderabad.
7. The District Collector, Rangareddy District at, Hyderabad.

Respondents

Petition is taken up under Article 226 of the Constitution of India in compliance with the orders of the Hon'ble the Chief Justice dated: 03.07.2007 and for the reasons published in the "Letter", dated. 12-06-2007, sent by the petitioner herein, the High Court may be pleased to issue an Order, direction, or a Writ, more particularly one in the nature of Writ of Mandamus to call for the records and remarks from the Respondents herein in and connected to (i) illegal constructions being made by the encroachers in the lake beds of Hyderabad and Rangareddy District for the past fifteen days the details of which are given under:

Names of the Lake beds

1) Durgam Cheruvu and Sunnam Cheruvu - Annexure No. I and II
2) Pedda Cheruvu, Pirvadiguda - Annexure No. III
3) China Dhamara Cheruvu, Dundigal - Annexure No. IV
4) China Rayuni Cheruvu - Annexure No. V
5) Ganga Ram Pedda Cheruvu - Annexure No. VI
6) Ganga Ram Pedda Cheruvu - Annexure No. VII
7) Ganga Ram Pedda Cheruvu - Annexure No. VIII
8) Medikunta Cheruvu, near Sriranganatha Temple, Nanakramguda – Annexure No. IX

9) Nalla Cheruvu, Uppal - Annexure No. X
10) Hasmat Peta Cheruvu - Annexure No. XI
11) Hasmat Peta Cheruvu - Annexure No. XII
12) Bairamalguda Cheruvu, LB Nagar - Annexure No. XIII
13) Pirzadiguda Cheruvu, Uppal Panchayat - Annexure No. XIV
14)Nallagandla Cheruvu, Sherlingampalli - Annexure No. XV
15) Ambheer Cheruvu, Dundigal Mandal - Annexure No. XVI
16) Golidodda Cheruvu, Sherlingampalli Municipality - Annexure No. XVII

(ii) steps taken by the Respondents herein for eviction of the encroachments (iii) steps taken by the Respondents herein to protect the water bodies and their echo systems and this Hon'ble Court may be pleased to pass appropriate orders directing the concerned authorities to restrain the encroachers from constructing illegally in the lake beds, evict them and protect the water bodies and their ecosystem;

The petition coming on for hearing, upon perusing the Petition and the letter filed in support thereof and the order of the High Court dated 10.06.2013, 12.12.2023, 27.12.2023 and 22.01.2024, the Court made the following.

ORDER:

Mr. Mohd. Imran Khan, learned Additional Advocate General for the State of Telangana.

Mr. C.H.Jayakrishna, learned counsel represents Mr. K.Ravinder Reddy, learned Standing Counsel for respondent No.5- Greater Hyderabad Municipal Corporation (GHMC).

Mr. Gadi Praveen Kumar, learned Deputy Solicitor General of India.

Mr. T.Srikanth Reddy, learned Government Pleader for Revenue.

This petition, as a Public Interest Litigation, has been instituted on the basis of a letter addressed to this Court. The grievance in the writ petition pertains to protection and preservation of sixteen lakes located in Hyderabad and Ranga Reddy Districts. In compliance of the orders dated 10.06.2013 and 12.12.2023, passed by this Court, the Commissioner of GHMC (respondent No.5), the District Collector, Hyderabad (respondent No.6) and the District Collector, Ranga Reddy District (respondent No.7) have submitted a joint report in which the details of steps taken by the aforesaid respondents for protection and preservation of lakes had been mentioned and the same are as follows:

Durgam Cheruvu, Madhapur Village Serilingampally Mandal, Ranga Reddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, Hyderabad Metropolitan Development Authority (HMDA) and FTL boundary survey had been conducted on 30.06.2013 and the FTL boundary was demarcated to an extent of 160.6 acres. A preliminary notification was issued on 07.06.2014. However, the final notification has not been issued. It has also been averred that there are 224 structures existing within the FTL/Buffer zone of Durgam Cheruvu.

It has been stated in the report that the fencing was done all around the lake boundary, which is exposed habitation except 300 meters length due to objection of landlords and cases pending before various courts.

It has also been stated in the report that walking track is laid around the lake boundary and lake protection guards were deployed and CCTV cameras have been installed for protection of the lake all around its boundary. It has also been stated that the work of sewage diversion has been completed.

II. Sunnam Cheruvu, Allapur Village, Kukatpally Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the HMDA and it geographically cuts into two district boundaries *viz.*, Medchal-Malkajgiri District and Ranga Reddy District.

It has been stated that the FTL boundary survey was conducted on 07.08.2013 and the FTL boundary was demarcated to an extent of 32.510 acres. A preliminary notification was issued on 14.05.2014. However, the final notification has not been issued. It has also been averred that there are 78 structures existing within the FTL zone and 38 structures existing within the Buffer zone of Sunnam Cheruvu.

It has been stated in the report that the fencing work has been done to a partial length only and could not be completed due to objections of landlords and due to pending cases. It has also been stated that the work of sewage

diversion has been completed. However, lake guards and CCTV cameras are not available.

III Pedda Cheruvu, Peerzadiguda Village, Medipally Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 27.05.2015 and the FTL boundary was to an extent of 32.23 acres. A preliminary notification was issued on 18.01.2016. However, the final notification has not been issued. It has also been averred that there are 27 structures existing within the FTL zone and 100 structures existing within the Buffer zone of Pedda Cheruvu.

- It has been stated in the report that the work of construction of walking track and desiltation of lake has been initiated by the HMDA, which is in progress. However, fencing and sewage diversion have not been done and no lake guards and CCTV cameras are available.

IV. Chinadamara Cheruvu, Gandimaisamma Village, Dundigal Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 09.09.2020 and the FTL boundary was demarcated to an extent of 32.23 acres. A preliminary notification was issued on 04.04.2023. However, the final notification has not been issued. It has also been averred that there are 3 structures existing within the FTL zone land 4 structures existing within the Buffer zone of Chinadamara Cheruvu.

It has been stated in the report that the work of construction of walking track and desiltation of lake has been initiated by the HMDA, which is in progress. However, fencing and sewage diversion have not been done.

V. Chinarayuni Cheruvu, Alwal Village and Mandal, Medchal Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 04.03.2014 and the FTL boundary had been demarcated to an extent of 48 acres. A preliminary notification was issued on 07.06.2014 and the final notification has been issued on 16.08.2016. It has also been averred that there are 105 structures existing within the FTL

zone and 80 structures existing within the Buffer zone of Chinnarayuni Cheruvu.

It has been stated in the report that the fencing work has been partially completed and the remaining work could not be completed due to cases pending before various courts. It is has been stated that the walking track could not be laid due to objections and pending legal issues. It has been stated that sewage diversion work has been completed. However, lake guards and CCTV cameras are not available.

VI Pedda Cheruvu, Gnagaram Village, Serilingampally Mandal, Ranga Relddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 18.09.2013 and the FTL boundary was demarcated to an extent of 112.0 acres. A preliminary notification was issued on 03.12.2014. However, the final notification has not been issued. It has also been averred that there is one structure existing within the FTL/Buffer zone of Pedda Cheruvu.

It has been stated in the report that the fencing was done partially and could not be completed due to cases pending before various courts. It has also been stated in the report that walking track could not be laid as the lake periphery comprises of patta lands. It has been stated that lake guards are available but CCTV cameras are not available and the sewage diversion could not be completed due to court cases.

VII Medikunta, Nanakramguda Village, Serilingampally Mandal, Ranga Reddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conductedon 16.10.2013 and FTL boundary had been demarcated to an extent of 7.5 acres. A preliminary notification was issued on 14.05.2014. However, the final notification has not been issued. It has also been averred that there are no structures within the FTL/Buffer zone of Medikunta.

It has been stated in the report that the fencing work is in progress and the works of bund strengthening and laying of walking track around the lake boundary are completed. However, lake guards and CCTV cameras are not available. It has also been stated that the work of sewage diversion has been completed.

VIII Nalla Cheruvu, Uppal Village and Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 28.10.2023 and the FTL boundary had been demarcated to an extent of 65.96 acres. A preliminary notification was issued on 23.07.2014. However, the final notification has not been issued. It has also been averred that there are 26 structures within the FTL/Buffer zone of Nalla Cheruvu.

It has been stated in the report that the fencing work is in progress and the work of ring formation for walking track around the lake boundary is completed. However, lake guards and CCTV cameras are not available. It has also been stated that the work of sewage diversion is in progress.

IX Boin Cheruvu, Hasmathpet Village, Balangar Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey has been conducted on 03.01.2014 and the lake had been demarcated with an FTL boundary to the extent of 6.15 acres. A preliminary notification was issued on 07.06.2014. However, the final notification has not been issued. It has also been averred that there are 148 structures in FTL zone and 52 structures in Buffer zone of Boin Cheruvu.

It has been stated in the report that the fencing work has been carried out and the peripheral ring bund formation carried out and a part of land lake periphery comprises of patta lands. It has been stated that the lake guards and CCTV cameras are available. It has also been stated that the work of sewage diversion has been completed.

X Maddela Kunta, Biramalguda Village, Saroornagar Mandal, Ranga Reddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 06.10.2023 and the FTL boundary had been demarcated to an extent of 6.64 acres. A preliminary notification was issued on 23.07.2014 and the final notification has been issued on 16.05.2016. It has also been averred that there are 12 structures in the FTL zone and 1 structure in buffer zone of Maddela Kunta.

It has been stated in the report that the fencing work has been completed except to an extent of 50 meters due to objections. It is also stated that the works of main bund and ring bund around the lake boundary are completed. Though lake guards are available, CCTV cameras are not available. It has also been stated that the work of sewage diversion has been completed.

XI. Nallagandla Cheruvu, Nallagandla Village, Serilingampally Mandal, Ranga Reddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 24.08.2013 and FTL boundary had been demarcated to an extent of 89.90 acres. A preliminary notification was issued on 14.05.2014. However, the final notification has not been issued. It has also been averred that there are no structures within the FTL zone but there is one structure in Buffer zone of Nallagandla Cheruvu.

It has been stated in the report that the fencing work and the work of laying of walking track around the lake boundary is in progress. It is stated that lake guards are available but CC cameras are not available. It has also been stated that the work of sewage diversion has been completed.

XII Ambeer Cheruvu, Kukatpally Village and Mandal, Medchal-Malkajgiri District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 06.08.2013 and the FTL boundary

had been demarcated to an extent of 162 acres. A preliminary notification was issued on 14.05.2014. However, the final notification has not been issued. It has also been averred that there are 3 structures within the FTL zone and 105 structures within the Buffer zone of Ambeer Cheruvu.

It has been stated in the report that the fencing work is carried out all around the lake except 450 meters due to legal issues. It is stated that the laying of walking track around the lake boundary is completed. However, lake guards and CCTV cameras are not available. It has also been stated that the work of sewage diversion has been partly completed.

XIII Gosai Kunta, Gowlidoddi-Gopanapally Village, Serilingampally Mandal, Ranga Reddy District:

In respect of the aforesaid lake, it has been stated that the said lake is a water body, which has been notified by the Lake Protection Committee, HMDA and FTL boundary survey was conducted on 10.10.2013 and the FTL boundary had been demarcated to an extent of 6.25 acres. A preliminary notification was issued on 17.04.2014. However, the final notification has not been issued. It has also been averred that there are 34 structures within the FTL zone of Gosaikunta.

It has been stated in the report that the fencing work as well as the works of bund strengthening and laying of walking track around the lake boundary are in progress. However, lake guards and CCTV cameras are not available. It has also been stated that the work of sewage diversion has been completed.

Thus, from a perusal of the status report, it is evident that the same is far from satisfactory.

Learned Additional Advocate General for the State of Telangana submitted that the work of fencing around Durgam Cheruvu is not practicable.

However, in the report it has been stated that the work of fencing is complete. In order to ascertain the work carried out by respondents No.5, 6 and 7, we deem it appropriate to request Mr. Gadi Praveen Kumar, learned Deputy Solicitor General of India and Mr. T.Srikanth Reddy, learned Government Pleader for Revenue to inspect the lakes and to submit a report with regard to status of the work carried out by respondents No.5, 6 and 7 as

stated in the report. The report shall be submitted to this Court in a sealed cover within a period of three weeks.

Needless to state that the facilities to the aforesaid members of the Committee appointed by this Court shall be extended by the State Government so that the members of the committee can inspect the lakes and submit the report within a period of three weeks before this Court.

The members of the Committee shall be entitled to remuneration Rs.25,000/- each, which shall be payable by the State Government.

In addition, the learned Additional Advocate General shall seek instructions with regard to fencing of the lakes in question, construction of walking track around them, installation of CCTV cameras and completion of sewage diversion on or before the next date of hearing.

Let a copy of this order be supplied to the learned Additional Advocate General for the State of Telangana, Learned Deputy Solicitor General of India and the learned Government Pleader for Revenue during the course of the day.

List on 11.03.2024.

Sd/- A.V.S.PRASAD
ASSISTANT REGISTRAR

//TRUE COPY//

SECTION OFFICER

To,

1. The Principal Secretary, Revenue Department, State of Telangana, Secretariat, Hyderabad.
2. The Principal Secretary, Municipal Administration and Urban Development Department, State of Telangana, Secretariat, Hyderabad.
3. The Member Secretary, T.S. Pollution Control Board, Sanathnagar, Hyderabad.
4. The Principal Secretary, Environment, Forest, Science and Technology Department, State of Telangana, Secretariat, Hyderabad
5. The Commissioner, Greater Hyderabad Municipal Corporation, Tank Bund, Hyderabad.
6. The District Collector, Hyderabad District, at Hyderabad.
7. The District Collector, Rangareddy District at, Hyderabad (RR 1 to 7 by RPAD).
8. Two CCs to the Additional Advocate General, High Court at Hyderabad (OUT).
9. Two CCs to the GP for Revenue, High Court at Hyderabad (OUT).
10. One CC to Dy. Solicitor General of India, High Court at Hyderabad (OPUC)
11. Two spare copies

HIGH COURT

HCJ & JAKJ

DATED:06/02/2024

LIST ON 11-03-2024

ORDER

TAKEN UP WP.No.14728 of 2007

DIRECTION

ANNEXURE- VI

HIGH COURT FOR THE STATE OF TELANGANA AT HYDERABAD

TUESDAY, THE NINTEENTH DAY OF MARCH

TWO THOUSAND AND TWENTY FOUR

:PRESENT:

THE HONOURABLE THE CHIEF JUSTICE ALOK ARADHE

AND

THE HONOURABLE SRI JUSTICE ANIL KUMAR JUKANTI

TAKEN UP WP NO: 14728 OF 2007

Between:

Mr. Anil C Dayakar, Executive Director, "Gamana" Non-Governmental Organisation Plot No.1, G-3 Arunodaya Colony, Madhapur, Hyderabad.

Petitioner

AND

1. The Government of AP., Represented by its, Principal Secretary, Revenue Department, Secretariat, Hyderabad.
2. The Government of A.P. rep by its Principal Secretary, Municipal Administration and Urban Development Department, Secretariat, Hyderabad.
3. The A.P. Pollution Control Board, Sanathnagar, Hyderabad, rep by its Member Secretary.
4. The Government of A.P., rep by its Principal Secretary, Environment, Forest, Science and Technology Department, Secretariat, Hyderabad
5. The Greater Hyderabad Municipal Corporation, rep by its Commissioner, Tank Bund, Hyderabad.
6. The District Collector, Hyderabad District, at Hyderabad.
7. The District Collector, Rangareddy District at, Hyderabad.

Respondents

Petition is taken up under Article 226 of the Constitution of India in compliance with the orders of the Hon'ble the Chief Justice dated: 03.07.2007 and for the reasons published in the "Letter", dated. 12-06-2007, sent by the petitioner herein, the High Court may be pleased to issue an Order, direction, or a Writ, more particularly one in the nature of Writ of Mandamus to call for the records and remarks from the Respondents herein in and connected to (i) illegal constructions being made by the encroachers in the lake beds of Hyderabad and Rangareddy District for the past fifteen days the details of which are given under:

Names of the Lake beds

1) Durgam Cheruvu and Sunnam Cheruvu - Annexure No. I and II
2) Pedda Cheruvu, Pirvadiguda - Annexure No. III
3) China Dhamara Cheruvu, Dundigal - Annexure No. IV
4) China Rayuni Cheruvu - Annexure No. V
5) Ganga Ram Pedda Cheruvu - Annexure No. VI
6) Ganga Ram Pedda Cheruvu - Annexure No. VII
7) Ganga Ram Pedda Cheruvu - Annexure No. VIII
8) Medikunta Cheruvu, near Sriranganatha Temple, Nanakramguda – Annexure No. IX

9) Nalla Cheruvu, Uppal - Annexure No. X
10) Hasmat Peta Cheruvu - Annexure No. XI
11) Hasmat Peta Cheruvu - Annexure No. XII
12) Bairamalguda Cheruvu, LB Nagar - Annexure No. XIII
13) Pirzadiguda Cheruvu, Uppal Panchayat - Annexure No. XIV
14)Nallagandla Cheruvu, Sherlingampalli - Annexure No. XV
15) Ambheer Cheruvu, Dundigal Mandal - Annexure No. XVI
16) Golidodda Cheruvu, Sherlingampalli Municipality - Annexure No. XVII

(ii) steps taken by the Respondents herein for eviction of the encroachments (iii) steps taken by the Respondents herein to protect the water bodies and their echo systems and this Hon'ble Court may be pleased to pass appropriate orders directing the concerned authorities to restrain the encroachers from constructing illegally in the lake beds, evict them and protect the water bodies and their ecosystem;

The petition coming on for hearing, upon perusing the Petition and the letter filed in support thereof and the order of the High Court dated 10.06.2013, 12.12.2023, 27.12.2023, 22.01.2024 and 06-02-2024, the Court made the following.

ORDER:

Mr. Mohd. Imran Khan, learned Additional Advocate General for the State of Telangana.

This Court, by an order dated 06.02.2024, had constituted a Committee comprising of two Advocates, namely Mr. Gadi Praveen Kumar and Mr. T.Srikanth Reddy.

The aforesaid Committee was requested to submit a report with regard to the status of works carried out by respondents No.5 to 7 i.e., Greater Hyderabad Municipal Corporation, District Collector, Hyderabad, and District Collector Ranga Reddy District, after inspecting the thirteen lakes.

The Committee has inspected the following thirteen lakes namely:

i) **Durgam Cheruvu, Madhapur;**
ii) **Sunnam Cheruvu Lake, Allapur Village, Kukatpally, Medchal-Malkajgiri District;**
iii) **Medikunta Lake, Nanakramguda;**
iv) **Gosaikunta Lake, Goulidoddi;**
v) **Nallagandla Cheruvu, Nallagandla Village, Sherilingampally, Ranga Reddy District;**
vi) **Pedda Cheruvu, Gangaram Village;**
vii) **Maddalakunta Lake, Bairamalguda, Saroornagar;**
viii) **Nallacheruvu, Uppal;**
ix) **Pedda Cheruvu, Peerzadiguda;**
x) **Ambeer Cheruvu, Kukatpally;**
xi) **Chinnadamera Cheruvu, Dundigal;**
xii) **Chinna Narayanayuni Cheruvu, Alwal; and**
xiii) **Boin Lake, Hasmathpet.**

The Committee had convened a preliminary meeting with the officials of the Greater Hyderabad Municipal Corporation and the revenue authorities on 12.02.2024 at 2.30 pm and thereafter had inspected the aforesaid thirteen lakes between the period from 15.02.2024 and 17.02.2024. The Committee thereafter has submitted a report on 05.03.2024.

The salient features of the report are as under:

i) After inspecting the Durgam Cheruvu, Madhapur, it is stated that the capacity of the sewage treatment plant is limited to 12 MLD, whereas the inlet volume of water, which is not treated, appears to be on the higher side, which is resulting in pollution of the lake.

The Committee has further observed noticed that 146 structures are situated in the Buffer Zone and around 78 structures are within the Full Tank Level (FTL).

The Committee has also pointed out the need to ensure that the nalas and inlets and outlets from and to the tank are also maintained to ensure preservation of the lake.

ii) After inspecting the Sunnam Cheruvu Lake, it has been pointed out that the work of fencing is incomplete and the ring bund/walking track is also incomplete. Neither any lake guard is posted nor any CC Cameras are installed and the sewerage diversion is being done duly diverting the sewage water.

iii) In respect of Medikunta Lake, it has been observed by the Committee that neither the fencing work is complete nor the walking track and ring bund is complete. Similarly, neither the lake guards nor the CC Cameras are available. The sewage diversion works are yet to be completed.

iv) After inspecting the Gosaikunta Lake, it has been pointed out by the Committee that neither the fencing nor the ring bund/walking track is available. The CC Cameras and lake guards are also not available. With regard to sewage diversion works, it is observed that there is no water in the lake. No inlets into the lake for sewage are also observed. The Committee further noticed that there are encroachments in the FTL and Buffer Zone.

v) In Nallagandla Cheruvu, it is noticed that the fencing works are being undertaken. The ring bund/walking track is not completed. Lake guards are found available, but no CC Cameras are installed. It is observed that the sewage diversion is completed.

vi) Regarding the Pedda Cheruvu is concerned, it is pointed out that the fencing work is completed partially and it could not be completed due to legal litigations. The ring bund/walking track is also incomplete. There are no CC Cameras and lake guards are also not available. The sewage diversion work is held up due to cases pending in the Court.

vii) In respect of Maddalakunta Lake, the Committee observed that the said water body has apparent encroachments on the FTL and Buffer Zone. Fencing is observed only on the main bund side and the other three sides are covered by boundary walls of the adjacent property owners. The ring bund/walking track is also not available on ground. CC Cameras are also not available and only one lake guard is observed on the site. The sewage diversion, though completed, does not seem to be functional, as the lake is dumped with garbage and inflow of sewage water and there is stinking odour emanating from the lake.

viii) With regard to Nallacheruvu, the Committed noticed that fencing is available only on the main bund side and other three sides are covered by boundary walls of the adjacent property owners. The ring bund/walking track is not available. There are no CC Cameras and only one lake guard is observed on the site. The sewage diversion does not seem to be functional, as the lake is dumped with garbage and sewage water and there is stinking smell emanating therefrom.

The Committee has further noticed that a section of the lake is covered by weed plants and cultivation of leafy vegetables is being undertaken by the farmers/local growers using the polluted water posing a significant health concern and immediate remedial measures are imperative to safeguard the lake and to prevent potential adverse health implications, as these vegetables are being grown in contaminated water.

ix) In respect of Pedda Cheruvu, the Committee pointed out that no fencing is observed on ground. The ring bund/walking track is also not available and there are no CC Cameras and lake guards. No provision regarding sewage diversion is seen. There are encroachments within the FTL and Buffer Zone areas. The Committee observed that the visual inspection revealed pervasive contamination with sewage waste, posing a substantial health hazard to the lake's flora and fauna. The Committee has also received complaints from the local residents that during storm, the entire sewage content would be diverted into neighbouring colonies. From the adjoining nalas, the untreated water enters the lake which contaminates the water of the lake.

x) In Ambeer Cheruvu, it is noticed that the fencing work is not completed even on the main road side. The ring bund though completed, walking track is not laid. CC Cameras and lake guards are not available. Sewage diversion is not completed. The lake is seem dumped with garbage and sewage water and the lake has pungent odour and foul smell. The Committee has also noticed that the absence of patrolling and surveillance renders the lake susceptible to further encroachments.

xi) In Chinnadamera Cheruvu, it is pointed out that fencing is not available. The ring bund/walking track is not available on the ground. CC Cameras are not available and no lake guards are observed on the site. Sewage diversion is not available. There are substantial encroachments in the FTL and Buffer Zone areas. The Committee has also noticed that the colleges

and institutions situated around the lake have been dumping the debris and taking up the work of filling up the lake, which is leading to diversion of lake water into other lands of the farmers. The sewage/waste water is being released from the residential colleges directly into the lake due to which the fishes in the lake are dying.

xii) With regard to Chinna Narayanayuni Cheruvu, it is observed that the fencing is absent. The ring bund/walking track is not available. No CC cameras and no lake guards are found. The sewage diversion though completed, does not seem to be functional as the lake is dumped with garbage and filled with sewage water with stinking smell emanating therefrom.

xiii) In respect of Boin Lake, it is pointed out by the Committee that the fencing is carried out on two sides. The ring bund/walking track is not available. The CC cameras are not installed and only one or two lake guards are observed on the site. The sewage diversion, though complete, does not seem to be functional as the lake is dumped with garbage and full of sewage water with strong disagreeable smell being emitted. It has further been mentioned by the Committee in its report that this lake is one of the most polluted lakes of the city. Numerous structures have come up within the FTL area/Buffer Zone of the tank. Despite sewerage diversion efforts, the lake remains filled with debris and sewage, rendering the vicinity inhospitable for the general public and intolerable even for a brief while.

Thus, the report submitted by the Committee appointed by this Court exposes a grim picture of the lakes/water bodies situated in the city of Hyderabad. The pollution of the lakes not only affects the environment, but is posing a severe health hazard to the public in general, as the contaminated water is being used for cultivation of vegetables. The natural habitats of various birds and aquatic species have diminished due to adverse impact of continued encroachment and the pollution. The issue is exacerbated by encroachments and dumping in nalas (inflows) and connecting channels into water bodies.

The learned Additional Advocate General shall, therefore, instruct the authorities to take action with regard to the aforesaid water bodies immediately and submit an action taken report before this Court along with photographs within a period of three weeks from today.

List on 29.04.2024.

SD/-K. SREERAMA MURTHY
ASSISTANT REGISTRAR

//TRUE COPY//

SECTION OFFICER

To,

1. The Principal Secretary, Revenue Department, State of Telangana, Secretariat, Hyderabad.
2. The Principal Secretary, Municipal Administration and Urban Development Department, State of Telangana, Secretariat, Hyderabad.
3. The Member Secretary, T.S. Pollution Control Board, Sanathnagar, Hyderabad.
4. The Principal Secretary, Environment, Forest, Science and Technology Department, State of Telangana, Secretariat, Hyderabad
5. The Commissioner, Greater Hyderabad Municipal Corporation, Tank Bund, Hyderabad.
6. The District Collector, Hyderabad District, at Hyderabad.
7. The District Collector, Rangareddy District at, Hyderabad (RR 1 to 7 by RPAD).
8. Two CCs to the Additional Advocate General, High Court at Hyderabad (OUT).
9. Two CCs to the GP for Revenue, High Court at Hyderabad (OUT).
10. One CC to Dy. Solicitor General of India, High Court at Hyderabad (OPUC)
11. Two spare copies

HIGH COURT

HCJ & JAKJ

DATED:19/03/2024

List on 29.04.2024

ORDER

TAKEN UP WP.No.14728 of 2007

DIRECTION

ANNEXURE-VII

Item No.08:

BEFORE THE NATIONAL GREEN TRIBUNAL
SOUTHERN ZONE, CHENNAI

(Through Video Conference)

Original Application No.204 of 2024(SZ)

[Earlier O.A. No.532 of 2024 (PB)]

IN THE MATTER OF:

Suo Motu based on the news item appearing in 'The Hindu' dated 19.03.2024 titled, **"Report on water bodies in Hyderabad presents grim picture : HC".**

With

Central Pollution Control Board
Through its Member Secretary
New Delhi and Ors.

...Respondent(s)

Date of hearing: 07.08.2024.

CORAM:

HON'BLE Smt. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER

HON'BLE Dr. SATYAGOPAL KORLAPATI, EXPERT MEMBER

For Applicant(s): Suo Motu.

For Respondent(s): Ms. Nathami for R1.
Ms. C.P. Kavitha Renjiini represented
Mr. T. Sai Krishnan for R2.

Mr. Mohammed Aathic represented
Mrs. H. Yasmeen Ali for R3.

ORDER

1. The above case has been Suo Motu registered by the Principal Bench of the National Green Tribunal, New Delhi as Original Application No.532 of 2024 (PB) based on the news item published in 'The Hindu' dated 19.03.2024 titled, **"Report on water bodies in Hyderabad presents grim picture : HC"**, which has been transferred to this Bench and renumbered as Original Application No.204 of 2024 (SZ).

2. Let notice be issued to the respondents through the Tribunal.

3. The learned counsel Ms. Nathami accepts notice on behalf of Respondent No.1, Ms. C.P. Kavitha Renjini representing Mr. T. Sai Krishnan accepts notice on behalf of Respondent No.2 and Mr. Mohammed Aathic representing Mrs. H. Yasmeen Ali accepts notice on behalf of Respondent No.3.

4. It is stated that the writ petition is pending before the Hon'ble High Court of Telangana with regard to a similar issue. Let a copy of the affidavit filed in the above-said writ petition and the orders (if any) passed be furnished.

5. Post the matter on **18.09.2024**. Meanwhile, the respondents are also directed to file their respective replies/reports.

Sd/-
Smt. Justice Pushpa Sathyanarayana, JM

Sd/-
Dr. Satyagopal Korlapati, EM

O.A. No.204/2024(SZ)
07th August, 2024. Mn.