

**BEFORE THE NATIONAL GREEN TRIBUNAL  
SOUTHERN ZONE, CHENNAI (SZ)  
ORIGINAL APPLICATION NO.67 OF 2024**

**IN THE MATTER OF:**

Kontham Sangeeth.

...Applicant(s)

**-VS-**

Telangana State Pollution Control Board and Anr.

...Respondent(s)

**REPORT FILED BY THE DISTRICT COLLECTOR R-2**

<b>S.NO</b>	<b>INDEX</b>	<b>PG-NO</b>
1.	Report filed by the 2 <sup>ND</sup> Respondent	1-5
2.	Annexure-I TSPCB- Action taken Report on the Joint committee recommendations dated - 20.01.2025, 10.01.2025, 19.11.2024.	6-11
3.	Annexure-II Order copies and TSPCB communication letters dated: 30.10.2024.	12-19
4.	Annexure-III Monitoring of lakes under National water quality monitoring programme dated:18.12.2024, 18.05.2024.	20-35
5.	Annexure - IV Analysis data of Rivers, lakes and STP in GWMC under dated: 07.12.2021.	36-42
6.	Annexure - V TSPCB inspection report dated 09.12.2021.	43-45
7.	Annexure - VI GWMC Letter dated:11.02.2025.	46-49
8.	Annexure - VII G.O dated:17.11.2024	50-51
9.	Annexure - VIII photos showing bins provided at koti cheruvu to collect solid waste, desilting and removal of solid waste from inlets drains of koti cheruvu.	52-58
10.	Letter from irrigation department (Action taken Report) dated :19.02.2025	59-60

Place: Chennai

Date: 24.02.2025

Mrs. H. Yasmeen Ali,

Standing counsel for 6<sup>TH</sup> Respondent

|

**REPORT OF THE DISTRICT COLLECTOR, WARANGAL DISTRICT**  
**DATED: 22.02.2025 IN ORIGINAL APPLICATION NO. 67 of 2024 FILED**  
**BY MR. KOTHAM SANGEETH, R/O 2ND DOCTORS COLONY,**  
**DESHAIPET, WARANGAL DISTRICT REGARDING THE POLLUTION OF**  
**FRESH WATER PONDS (KOTA CHERUVU) DUE TO GARBAGE AND**  
**PLASTIC WASTE TOTALLY DUMPED THROUGH SEWAGE WATER**

It is humbly submitted that, Mr. Kotham Sangeeth has filed a case before the Hon'ble National Green Tribunal (NGT), Delhi regarding the pollution of fresh water ponds (Kota Cheruvu) due to garbage and plastic waste totally dumped through sewage water, and requested for necessary action. Wherein, The Hon'ble National Green Tribunal (NGT), Delhi has registered a case and transferred to Hon'ble National Green Tribunal (NGT), Chennai, and the Hon'ble Tribunal has issued directions to file a report in the matter.

In this regard, as per the available records with the office, It is submitted that, as per direction of the Hon'ble Tribunal, a Joint Committee was constituted comprising of representatives of the Collector, Warangal and Telangana State Pollution Control Board (TSPCB), and the Joint Committee has been conducted enquiry and submitted their report before the Hon'ble NGT, Chennai on the following recommendations are noticed.

1. The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid un-treated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of un-treated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of un-treated sewage into the lake.
2. The GWMC shall take measures to prevent solid waste dump along the periphery of the lake
3. The GWMC shall remove the solid waste from the drain (inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal dump yards/processing facility.
4. The Irrigation department shall construct a fence all along the drains leading to lake to prevent the solid waste dumping.

5. The GWMC shall stop immersion of lord Ganesha idols during Ganesh Nimmajanam festival into the tank and shall make provisions for providing temporary baby ponds for immersion of lord Ganesha idols.
6. The GWMC/irrigation department shall take up strengthening of bund and providing greenbelt along the bund of the lake.
7. The GWMC shall take up beautification, plantation in and around the lake.
8. The Revenue Officials shall take action against the encroachments in the FTL and buffer zones in co-ordination with Irrigation Officials.

It is submitted that, in view of the above recommendations, the Commissioner, Greater Warangal Municipal Corporation (GWMC), Warangal and Executive Engineer I & CAAD has submitted a report, and in pursuance of the said report, it is observed that the following measures were taken on the recommendations made by the Joint Committee, and the same are as follows:

1. In compliance to the directions of Hon'ble NGT to reduce the pollution and rejuvenate the lake of Kota cheruvu and other lakes in GWMC limits, the GWMC has taken up the works of "1). Selection of Consultants for Preparation of Comprehensive Improvement Plans for Under Ground Drainage, Storm Water Drainage and Water Supply Systems, Rejuvenation of water bodies, Aquifer Management Plan, and Design of Blue Green Infrastructure for GWMC and 2). Detailed project Reports for identified/ prioritized projects of UGD, Storm water Drainage and Water supply systems, Rejuvenation of Water bodies, Aquifer Management plan and Design of Blue Green Infrastructure including Underground Ducts for services like power, telecom, cable, internet etc, duly considering Comprehensive plans and available information in GWMC and other concerned departments".

The work "Selection of Consultants for Preparation of Comprehensive Improvement Plans for Under Ground Drainage, Storm Water Drainage

and Water Supply Systems, Rejuvenation of water bodies, Aquifer Management Plan, and Design of Blue - Green Infrastructure for GWMC" was allotted to M/s Shubh Consultants & Technocrats LLP agency and the other work "Detailed project Reports for identified/ prioritized projects of water Drainage and Water supply systems, Rejuvenation of Water bodies, Aquifer Management plan and Design of Blue Green Infrastructure including Underground Ducts for services like power, telecom, cable, internet etc, duly considering Comprehensive plans and available information in GWMC and other concerned departments" was allotted to the M/s NK Buildkon Pvt Ltd agency.

The agency for Preparation of Comprehensive Plans for UGD and other Infrastructure works ie, M/s Shubh Consultants & Technocrats LLP has taken up on priority Survey work, Zoning and proposals on required capacities of Sewer pipelines STPs and infrastructure for Comprehensive Under Ground Drainage system in entire GWMC area including the catchment area of Kota cheruvu and submitted preliminary Estimate with a project cost of Rs. 4170.00 Crores.

Accordingly, the Government of Telangana have accorded in Principle Administrative sanction for an amount of Rs: 4170.00 Crores vide G.O. Rt. No. 573 of MA & UD department, dated: 17.11.2024 for Comprehensive Plan for UGD Scheme in Greater Warangal Municipal Corporation (Copy of the G.O is enclosed), which includes the catchment area of Kota cheruvu also.

Now, the other consultant for Detailed project Reports for identified/prioritized projects of UGD and other Infrastructure works ie., M/s NK Buildkon Pvt Ltd has taken up preparation of the Detailed Project Report for this UGD Scheme. The survey works are completed, the land alienation/ acquisition proposals for the proposed constructions of STPs in various zones are under finalization.

Further, the DPR is under preparation wherein it is being proposed to construct I &D structure for diversion of untreated sewage water to suitable capacity STP for treatment and disposal to avoid untreated sewage entering into the Kota cheruvu.

2. Greater Warangal Municipal Corporation has taken preventive measures for dumping of solid waste along the periphery of the lake by establishing (2) nos of bins along the periphery of the lake to collect solid waste dump, and also engaged 2 nos of sanitation jawans with necessary sanitary vehicles such as Swachh autos and Tractors for this locality for collection and transporting the solid waste to the dump yard site located at Rampur on regular basis.
3. GWMC has provided Screens across the inlet drain of Kota cheruvu to prevent solid waste entering into the lake and also taken up special drive for removing the solid waste from the inlet drains of the Kota cheruvu on a periodical manner by engaging machinery like Excavators, JCBs for removing silt and solid waste materials from in drains entering to this Lake and also transporting the solid waste materials through Tippers and tractors to the dump yard located at Rampur.

The GWMC has taken up special drives for removing solid waste and cleaning the lakes and inlet drains of Kota cheruvu was taken up from 10.05.2024 to 25.05.2024 and again from 10.12.2024 to 14.12.2024 and also recently on 08.02.2025 and 09.02.2025. The copies of photographs are enclosed for kind perusal.

4. The Irrigation Department has submitted report that the Kota cheruvu tank is a Rain fed and a chain link tank which receives the water from the surplus course of Chinna Waddepally tank, situated in the upstream area (Deshaipet village).

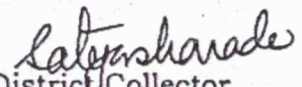
The Kota cheruvu tank is designed for serving an ayacut of 250 acres but now the ayacut under this tank is 90 acres due to urbanization. Cultivation is being done in coordination with the Agricultural University.

The jungle clearance on the bund of Kota cheruvu tank to an extent of 25,597 Square meters was done under Mission Kakatiya Phase-1 during the year 2015-16 with an expenditure of Rs. 58,875/-, by the Irrigation Department.

5. As per the directions of Hon'ble NGT, Southern Zone, Chennai, we have diverted about 400 idols coming to Kota cheruvu for immersion to alternate temporary ponds during Ganesh nimajjan festival on 15th & 16th September 2024 in coordination with the Commissioner of Police, Warangal & Ganesh Utsava Committee to avoid pollution and maintain water quality in Kota cheruvu.
6. The Executive Engineer has reported that the strengthening of the bund of Kota cheruvu tank upto the total length was executed by using soils of quantity of 7882 cubic meters from approved borrow areas under Mission Kakatiya Phase-I during the year 2015-16.
7. The Greater Warangal Municipal Corporation has taken up Multilayer plantation works with Peepal trees, Mahogani and Fishtail palm trees of 8 feet tall plants and also herb and shrub plantation with Bougainvillea, Caesalpinina, Pulcherma etc., and completed plantation of 1050 nos along the South side bund of Kota cheruvu and photographs of the works in progress are enclosed for kind perusal.
8. FTL survey through LIDAR has completed and encroachments are identified in FTL limits of the Kota cheruvu tank in which some of them were already removed. Further, all the encroachments in the FTL limits of the Kota cheruvu tank will be removed in coordination with Revenue and Town Planning authorities.

In view of the above facts and circumstances, it is prayed that the Hon'ble Tribunal may be pleased to close the case and pass such other order or orders, as the Hon'ble Tribunal may deem fit and proper in the circumstances of the case.

Date: 22.02.2025  
District: Warangal

  
District Collector  
Warangal



**TELANGANA POLLUTION CONTROL BOARD**  
**REGIONAL OFFICE, WARANGAL**

H.No. 1-8-269, Balasamudram, Hanumakonda District - 506 001

R. SUNITHA  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269.

e-mail: [ee-wglu-tspcb@telangana.gov.in](mailto:ee-wglu-tspcb@telangana.gov.in)

Lr.No. Gen/PCB/RO-WGL/2025 - 749

Dt: 20.01.2025

To  
The Collector & District Magistrate,  
Warangal District.

Madam,

Sub:	TGPCB-RO-WGL - Hon'ble NGT Original Application No. 67 of 2024 (SZ) [Earlier O.A. No. 762 of 2023(PB)LP] - Joint Committee recommendations Action taken report - Submitted - Reg.
Ref:	1. Original Application No. 762 of 2023 (PB). 2. Hon'ble NGT, New Delhi Order dated 22.01.2024. 3. Joint Committee report dated: 30.07.2024. 4. Hon'ble NGT Order Dt: 14.10.2024 5. This office letter dated: 30.10.2024. 6. This office letter dt: 19.11.2024. 7. District Collector letter Rc.No. C1/875/2024, Dt: 04.01.2025.

-000-

With references to the above, it is to submit that, the Hon'ble National Green Tribunal (NGT), New Delhi has registered Original Application No. 762 of 2023 based on a letter petition received from Mr. Kotham Sangeeth, R/o 2nd Doctors colony, Deshaipet, Warangal District regarding pollution of fresh water ponds (Kotacheruvu) due to garbage and plastic waste totally dumped through sewage water, also lake encroachments and requested to stop the sewage water entering into the lake by diverting and providing STPs, strengthen the bunds and provide green belt along the bund.

Further it is to submit that, the District Collector vide letter dated: 04.01.2025 directed this office to submit latest status report with regard to the action taken report on Kota Cheruvu. In this regard, the following is submitted:

1. The petitioner filed case regarding pollution of fresh water ponds (Kotacheruvu) due to garbage and plastic waste totally dumped through sewage water, encroachments of the lake and requested to stop the sewage water entering into the lake by diverting and providing STPs, strengthen the bunds and provide green belt along the bund.
2. As per direction of the Hon'ble NGT, a Joint Committee was constituted comprising of representatives of the Collector, Warangal and Telangana Pollution Control Board (TGPCB-Nodal Agency), and the Joint Committee has been conducted enquiry and submitted their report before the Hon'ble NGT, Chennai with the following recommendations:
  - i. The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid un-treated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of un-treated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of un-treated sewage into the lake.
  - ii. The GWMC shall take measures to prevent solid waste dump along the periphery of the lake.
  - iii. The GWMC shall remove the solid waste from the drain (inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal dump yards/processing.
  - iv. The Irrigation department shall construct a fence all along the drains ending to lake to prevent the solid waste dumping.

- v. The GWMC shall stop immersion of lord Ganesha idols during Ganesh Nimmajanar festival into the tank and shall make provisions for providing temporary baby ponds for immersion of lord Ganesha idols.
  - vi. The GWMC/irrigation department shall take up strengthening of bund and providing greenbelt along the bund of the lake.
  - vii. The GWMC shall take up beautification, plantation in and around the lake.
  - viii. The Revenue Officials shall take action against the encroachments in the FTL and buffer zones in co-ordination with Irrigation Officials
3. Accordingly, the Hon'ble NGT vide order dt: 14.10.2024, directed Telangana SPCB, to inspect the area and file a report on the action taken by them. Accordingly SPCB inspected the lake premises and filed a report on the above recommendations to the Hon'ble NGT vide dated: 16.12.2024. Copy of the report is enclosed.
  4. The Local body, Irrigation and Revenue Departments are the implementing authorities to implement the Joint Committee recommendations with regard to the lake protection.
  5. As per the Telangana Municipalities Act, 2019, the GWMC, Warangal / Local body is the implementing authority with regard to the solid waste management, management of sewerage and sewage treatment plants, lake and water body protection & development, safeguard & protect all the water sources, lakes or any other water bodies within the corporation limits. The GWMC has to construct I&D Structures for diversion of untreated sewage water with sufficient capacity of Sewage Treatment Plant to avoid sewage entering the lake.
  6. Hence, this office addressed letter vide dated: 19.11.2024 & 10.01.2025 to the Commissioner, GWMC, Warangal requesting to take action on the Joint Committee recommendations with regard to construction of Sewage Treatment Plant (STP) at Kota Cheruvu to avoid untreated sewage entering into the lake and also requested to direct the concern officials to carryout regular cleaning for removal of solid waste from the feeder channel to avoid entering the lake and requested to submit report to the District Collector so as to file the same before the Hon'ble NGT. Copies of the reports is enclosed.
  7. Further it is to submit that, the TGPCB, Regional Office, Warangal is collecting water samples from the Kota Cheruvu under National Water Monitoring Programme (NWMP) on monthly basis and submitting to the Zonal Laboratory for analysis to assess the water quality. This office communicated the analysis results regularly to the Commissioner, GWMC regularly for further taking necessary action to restore the water bodies to bathing quality i.e. Class - B as per the CPCB water quality criteria. Copies of the reports is enclosed.

It is submitted that, the GWMC is the implementing authority with regard to the joint committee recommendations. The GWMC has to construct I&D Structures for diversion of untreated sewage water with sufficient capacity of Sewage Treatment Plant to avoid sewage entering the lake. This office regularly pursuing with the Municipal Commissioner, GWMC, Warangal to comply with the regard to the Hon'ble NGT recommendations and also requesting to take action to restore the water bodies to meet bathing quality standards i.e. Class - B as per the CPCB water quality criteria.

Submitted for kind information and necessary action.

Yours faithfully,

*Sunita*

ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER

Telangana Pollution Control Board

Regional Office, Warangal

Encl: a/a

Copy submitted to

1. The Commissioner, GWMC Warangal for favour of kind information & necessary action.
2. The JCEE, ZO, TGPCB, Hyderabad for kind information.
3. The SE, Irrigation, I&CAD, Warangal for information and necessary action.
4. The Tahsildar, Khila Warangal for information and necessary action.



**TELANGANA POLLUTION CONTROL BOARD  
REGIONAL OFFICE, WARANGAL**

H.No. 1-8-269, Balasamudram, Hanumakonda District - 506 001

R. SUNITHA  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269.  
e-mail: ee-wrplu-tspcb@telangana.gov.in

Lr.No. Gen/PCB/RO-WGL/2025- 732

DT: 10.01.2025

To  
The Commissioner,  
GWMC, Warangal District.

Madam,

Subj	TGPCB-RO-WGL - Hon'ble NGT Original Application No.67 of 2024(SZ) [Earlier O.A. No. 762 of 2023(PB)LP] - Action taken report on the Joint Committee recommendations - Requested - Rez.
Ref:	1. Original Application No. 762 of 2023 (PB). 2. Hon'ble NGT, New Delhi Order dated 22.01.2024. 3. Joint Committee report dated: 30.07.2024. 4. Hon'ble NGT Order Dt: 14.10.2024 5. This office letter dated: 30.10.2024. 6. This office letter dt: 19.11.2024. 7. District Collector letter Rc.No. C1/875/2024, Dt: 04.01.2025.

-00-

With reference to the 1<sup>st</sup> cited above, it is to submit that, the Hon'ble National Green Tribunal (NGT), New Delhi has registered Original Application No. 762 of 2023 based on a letter petition received from Mr. Ketham Sangeeth, R/o 2nd Doctors colony, Deshaipet, Warangal District regarding pollution of fresh water ponds (Kotachervu) due to garbage and plastic waste totally dumped through sewage water. He also informed that there are encroachments in the lake. He requested to stop the sewage water entering into the lake by diverting and providing STPs, strengthen the bunds and provide green belt along the bund.

It is submitted that, as per direction of the Hon'ble Tribunal, a Joint Committee was constituted comprising of representatives of the Collector, Warangal and Telangana Pollution Control Board (TGPCB-Nodal Agency), and the Joint Committee has been conducted enquiry and submitted their report before the Hon'ble NGT, Chennai with the following recommendations:

The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid un-treated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of un-treated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of un-treated sewage into the lake.

The GWMC shall take measures to prevent solid waste dump along the periphery of the lake.

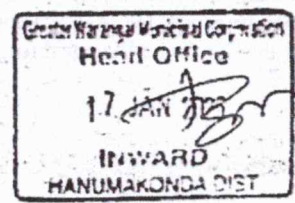
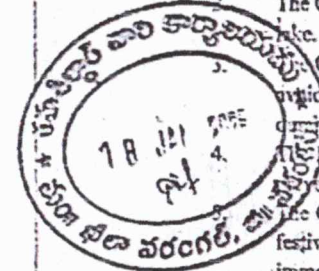
The GWMC shall remove the solid waste from the drain (inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal Corporation yards for processing.

The irrigation department shall construct a fence all along the drains ending to lake to prevent the solid waste dumping.

The GWMC shall stop immersion of lord Ganesha idols during Ganesh Nimmajenam festival into the tank and shall make provisions for providing temporary baby ponds for immersion of lord Ganesha idols.

The GWMC/irrigation department shall take up strengthening of bund and providing greenbelt along the bund of the lake.

The GWMC shall take up beautification, plantation in and around the lake.



8. The Revenue Officials shall take action against the encroachments in the FTL and buffer zones in co-ordination with Irrigation Officials

Further, it is submitted that, the Hon'ble NGT issued order dated 14.10.2024 in Original Application No. 67 of 2024 (SZ) [Bar for O.A. No. 762 of 2023(PB) L.P] Orders and the same is communicated for taking further necessary action vide dated: 30.10.2024.

Further, it is submitted that, the Hon'ble NGT vide dated 14.10.2024 has directed the Board to inspect the area and file a report on the action taken by respondents. Accordingly SPCB inspected the lake premises and filed a report on the above recommendations to the Hon'ble NGT vide dated: 16.12.2024. Copy enclosed.

As per the Telangana Municipalities Act, 2019, the GWMC, Warangal / Local body is the implementing authority with regard to the solid waste management, management of sewerage and sewage treatment plants, lake and water body protection & development, safeguard & protect all the water sources, lakes or any other water bodies within the Corporation limits. The GWMC has to construct I&D Structures for diversion of untreated sewage water with sufficient capacity of Sewage Treatment Plant to avoid sewage entering the lake.

Subsequently, this office addressed a letter vide dated: 19.11.2024, requesting to take measure with regard to construction of Sewage Treatment Plant (STP) at Kota Cheruvu to avoid untreated sewage entering into the lake and also requested to direct the concern officials to carryout regular cleaning for removal of solid waste from the feeder channel to avoid entering the lake.

In view of the above, it is requested to submit action taken report on the Joint Committee recommendations to the Collector, Warangal District by marking a copy to this office, so as to file the same before the Hon'ble NGT.

Yours faithfully,

*Sunita*  
ENVIRONMENTAL ENGINEER  
ENVIRONMENTAL ENGINEER  
Telangana Pollution Control Board  
Regional Office: WARANGAL.

Encl: a/a

Copy submitted to:

1. The Collector & District Magistrate, Warangal for favour of kind information.
2. The SE, Irrigation, I & CAD, Warangal for kind information and necessary action.
3. The Tahsildar, Khila Warangal for kind information and necessary action.

2024.10.14  
 2024.10.14  
 2024.10.14  
 2024.10.14



10  
**TELANGANA POLLUTION CONTROL BOARD**  
**REGIONAL OFFICE, WARANGAL**

H.No. 1-8-269, Dalasamudram, Hanumakonda District - 506 001

R. SUNITHA  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269.  
e-mail: ge-wglu-tspcb@telangana.gov.in

Lr.No. Gen/PCB/RO-WGL/2024 - 578

Dt. 19.11.2024

To  
The Commissioner,  
GWMC, Warangal District.

Madam,

Sub:	TGPCB-RO-WGL - Hon'ble NGT Original Application No.67 of 2024(SZ) [Earlier O.A. No. 762 of 2023(PB)LP] - Action taken report on the Joint Committee recommendations - Requested - Reg.
Ref:	1. Original Application No. 762 of 2023 (PB). 2. Hon'ble NGT, New Delhi Order dated 22.01.2024. 3. Joint Committee report dated: 30.07.2024. 4. Hon'ble NGT Order Dt: 14.10.2024 5. This office letter dated: 30.10.2024.

-00-

With reference to the 1<sup>st</sup> cited above, it is to submit that, the Hon'ble National Green Tribunal (NGT), New Delhi has registered Original Application No. 762 of 2023 based on a letter petition received from Mr. Kotham Sangeeth, R/o 2nd Doctors colony, Deshaipet, Warangal District regarding pollution of fresh water ponds (Kolacheruvu) due to garbage and plastic waste totally dumped through sewage water. He also informed that there are encroachments in the lake. He requested to stop the sewage water entering into the lake by diverting and providing STPs, strengthen the bunds and provide green belt along the bund.

It is submitted that, as per direction of the Hon'ble Tribunal, a Joint Committee was constituted comprising of representatives of the Collector, Warangal and Telangana Pollution Control Board (TGPCB-Nodal Agency), and the Joint Committee has been conducted enquiry and submitted their report before the Hon'ble NGT, Chennai with the following recommendations:

1. The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid untreated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of un-treated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of un-treated sewage into the lake.
2. The GWMC shall take measures to prevent solid waste dump along the periphery of the lake.
3. The GWMC shall remove the solid waste from the drain (inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal dump yards/processing.
4. The Irrigation department shall construct a fence all along the drains ending to lake to prevent the solid waste dumping.
5. The GWMC shall stop immersion of lord Ganesha idols during Ganesh Nimmajanam festival into the tank and shall make provisions for providing temporary baby ponds for immersion of lord Ganesha idols.
6. The GWMC/irrigation department shall take up strengthening of bund and providing greenbelt along the bund of the lake.
7. The GWMC shall take up beautification, plantation in and around the lake.
8. The Revenue Officials shall take action against the encroachments in the FTL and buffer zones in co-ordination with Irrigation Officials



1)

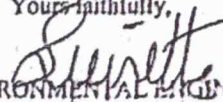
Further, it is submitted that, the Hon'ble NGT issued order dated 14.10.2024 in Original Application No. 67 of 2024 (SZ) [Earlier O.A. No. 762 of 2023(PB) LP] Orders and the same is communicated for taking further necessary action vide dated: 30.10.2024.

Further, it is submitted that, the Hon'ble NGT vide dated 14.10.2024 has directed the Board to inspect the area in question and file a report as to the action taken by respondents.

In view of the above, it is requested to initiate action on the Joint Committee recommendations with regard to construction of Sewage Treatment Plant (STP) at Kota Cheruva to avoid untreated sewage entering into the lake and also requested to direct the concern officials to carryout regular cleaning for removal of solid waste from the feeder channel to avoid entering the lake. Further it is requested to submit action taken report on the Joint Committee recommendations, so as to submit the same to the Hon'ble NGT.

Encl: n/a

Yours faithfully,

  
ENVIRONMENTAL ENGINEER  
ENVIRONMENTAL ENGINEER  
Telangana Pollution Control Board  
Regional Office: WARANGAL.

Copy submitted to

1. The Collector & District Magistrate, Warangal for favour of kind information.
2. The SE, Irrigation, I & CAD, Warangal for kind information and necessary action.
3. The Tahsildar, Khila Warangal for kind information and necessary action.

12

Annexure - II

Item No.06:-

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

(Through Video Conference)

Original Application No.67 of 2024(SZ)

[Earlier O.A. No. 762 of 2023(PB)LP]

**IN THE MATTER OF:**

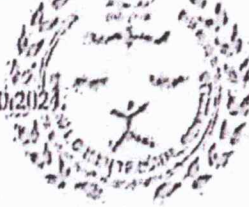
Kontham Sangeetha.

...Applicant(s)

*Verant*  
Telangana State Pollution Control Board and Anr.

...Respondent(s)

Date of hearing: 14.10.2024



**CORAM:**

**HON'BLE Smt. JUSTICE PUSHPA SATHYANARAYANA, JUDICIAL MEMBER**

**HON'BLE Dr. SATYAGOPAL KORIPATI, EXPERT MEMBER**

For Applicant(s): None.

For Respondent(s): Ms. C.P. Kavitha Renjini represented  
Mr. T. Sai Krishnan for R1.  
Mr. Mohamed Aathic represented  
Mrs. H. Yasmeen Ali for R2 & R3.

ORDER

1. Today, there is no representation for the applicant.
2. The report dated 06.09.2024 of the District Collector - Warangal is filed, wherein it is stated that the proceedings have been initiated for conducting the FTL survey of the water bodies, including the Kota Cheruvu. After completing the work of the FTL survey and fixing of boundaries and also after strengthening the bund by the Irrigation Department, the works such as beautification and plantation in and around the lake will be taken by the Greater Warangal Municipal Corporation (GWMC)/ Respondent No.3 duly obtaining the permissions from the Government as well as with the approval of the Council of the GWMC.
3. The photographs produced along with the report show that solid waste is being dumped inside the Cheruvu.
4. Let the Telangana SPCB inspect the area in question and file a report as to the action taken by them.
5. The District Collector - Warangal is directed to file a report after completing the work, as has been stated in Para (6) of the report along with photographs.

321 -  
14

6. Post the matter on 17.12.2024.

Sd/-  
Smt. Justice Poojpa Sathyanarayana, JM

Sd/-  
Dr. Salyagopal Koiripati, EM

O.A. No.67/2024(SZ)  
14<sup>th</sup> October, 2024. Mn.





TELANGANA POLLUTION CONTROL BOARD

REGIONAL OFFICE, WARANGAL

Tel. No. 148-204; Hanamakonda, Hanumakonda District - 506 001

R. Sathitha  
ENVIRONMENTAL ENGINEER

Phone No. 0870-2577909  
e-mail: go.well@telangana.gov.in  
Dt: 30.10.2024

Tr.No. Gen/PCD/RO-WGL/2024 - 523

To  
The Collector & District Magistrate,  
Warangal.

Madam,

Sub:	TOPCD-RO-WGL - Hon'ble NGT Original Application No. 67 of 2024 (SZ) [Earlier O.A. No. 762 of 2023 (PI)LP] - Orders Commended for taking necessary action - Requested Reg.
Ref:	1. Original Application No. 762 of 2023 (PI). 2. Hon'ble NGT, New Delhi Order dated 22.01.2024. 3. Joint Committee report dated: 30.07.2024. 4. Hon'ble NGT Order Dt: 14.10.2024

-60-

It is to submit that Original Application No. 762 of 2023 was registered by Hon'ble NGT, Delhi on a Complaint application received from Mr. Kotham Bhatgeethi, 11/6-22-8-156/1, 2nd Doctors Colony, Deshpand, Warangal, Telangana regarding pollution of fresh water ponds (Kota Cheruvu) due to garbage and plastic waste totally dumped through sewage water. The Hon'ble NGT constituted joint committee consisting District Collector, Warangal District & State PCC - Nodal agency for coordination & compliance. Subsequently, the Hon'ble NGT issued order dated 14.10.2024 in Original Application No. 67 of 2024 (SZ) [Earlier O.A. No. 762 of 2023(PI) LP] Orders is as follows:

1. Today, there is no representation for the applicant.
2. The report dated 06.09.2024 of the District Collector - Warangal is filed, wherein it is stated that the proceedings have been initiated for conducting the JTL survey of the water bodies, including the Kota Cheruvu. After completing the work of the JTL survey and fixing of boundaries and also after strengthening the bund by the Irrigation Department, the works such as beautification and plantation in and around the lake will be taken by the Greater Warangal Municipal Corporation (GWMC) / Respondent No. 3 after obtaining the permissions from the Government as well as with the approval of the Council of the GWMC.
3. The photographs produced along with the report show that solid waste is being dumped inside the Cheruvu.
4. Let the Telangana SPCB inspect the area in question and file a report as to the action taken by them.
5. The District Collector - Warangal is directed to file a report after completing the work, as has been stated in Para (6) of the report along with photographs.
6. Post the matter on 17.12.2024.

In view of the above, the copy of the Hon'ble NGT Order dt: 14.10.2024 is communicated for taking necessary action and to submit the status report to this office in this matter.

Head Office  
07 NOV 2024  
INWARD  
HANUMAKONDA DIST

Yours faithfully,

*Surette*  
ENVIRONMENTAL ENGINEER  
ENVIRONMENTAL ENGINEER  
Telangana Pollution Control Board  
Regional Office, WARANGAL.



Submitted to  
The Commissioner, GWMC, Warangal for kind information and necessary action.  
The SE, Irrigation, I & CAD, Warangal for kind information and necessary action.  
The Tahsildar, Khila Warangal for kind information and necessary action.

**Report Dated 16.12.2024 of the Telangana State Pollution Control Board In Original Application No. 67 of 2024.**

The Hon'ble National Green Tribunal (NGT), New Delhi has registered Original Application No. 762 of 2023 based on a letter petition received from Mr. Kotham Sangsath, R/o 2<sup>nd</sup> Doctors colony, Deshapet, Warangal District regarding pollution of fresh water ponds (Kotacheruvu) due to garbage and plastic waste totally dumped through sewage water. He also informed that there are encroachments in the lake. He requested to stop the sewage water entering into the lake by diverting and providing STPs, strengthen the bunds and provide green belt along the bund.

The Hon'ble NGT, Principal Bench, New Delhi vide order dated 22.01.2024 has disposed of the case by constituting a Joint Committee comprising of representatives of the Collector, Warangal and Telangana State Pollution Control Board (TSPCB) with a direction to verify the factual position and take appropriate remedial action and further transferred the case to Hon'ble NGT, Chennai. The Joint Committee has conducted inspection on 02.07.2024 and submitted the report to the Hon'ble NGT, Chennai which was taken on record in the hearing held on 01.08.2024. The recommendations of the Joint Committee are as follows:

1. The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid untreated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of untreated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of untreated sewage into the lake.
2. The GWMC shall take measures to prevent solid waste dump along the periphery of the lake
3. The GWMC shall remove the solid waste from the drain (Inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal dump yards/processing
4. The Irrigation department shall construct a fence all along the drains ending to lake to prevent the solid waste dumping.

Vide G.O. Rt. No. 573, dt. 17-11-2024 by the MA & Up, Govt. of Telangana for take up Comprehensive Plan for UGD Scheme in Greater Warangal Municipal Corporation, Warangal. (Copy of the GO is enclosed as annexure -1).

- The GWMC Officials informed that, it is proposed to construct I&D Structure for diversion of Untreated sewage water with 42MLD capacity S.T.P. for treatment & disposal to avoid untreated sewage entering into the Kota Cheruvu.
- Further, informed that, the GWMC Detailed DPR is under preparation after getting technical sanction and tender process will be done for execution of the UGD Scheme.
- With regard to the FTL survey and encroachments, the DE, Irrigation informed that, they have completed FTL survey through LIDAR and limits of the tank in which some of them were removed. Further, all the encroachments in the FTL limits of the tank will be removed in coordination with Revenue and Town Planning authorities.
- The bund strengthening of the above tank was done under Mission Kakatiya Phase-I by the Irrigation Department. After strengthening of the bund, the GWMC will take execution of the work of the development of green belt along with the bund.

The TGPCB is monitoring the Kota Cheruvu under National Water Monitoring Programme (NWMP) on monthly basis. The analysis result for the month of August, 2024 is as tabulated below:

S.No.	Parameter	Values	CPCB Water Quality Criteria				
			Class-A	Class-B	Class-C	Class-D	Class-E
1.	pH	7.6	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5
2.	Dissolved Oxygen (DO)	4.8	≥5.0	≥5.0	≥4.0	≥4.0	-
3.	Electrical Conductivity (µS/cm)	931	-	-	-	-	2250 Max
4.	Total Suspended Solids (TSS)	44	-	-	-	-	-
5.	Total Dissolved Solids (TDS)	596	-	-	-	-	-
6.	Chlorides as Cl <sup>-</sup>	138	-	-	-	-	-
7.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	68	-	-	-	-	-

Vide G.O. Rt. No. 573, Dt. 17-11-2024 by the MA & UD, Govt. of Telangana for take up Comprehensive Plan for UGD Scheme in Greater Warangal Municipal Corporation, Warangal. (Copy of the GO is enclosed as annexure -1).

The GWMC Officials informed that, It is proposed to Construct I&D Structure for diversion of Untreated sewage water with 42MLD capacity S.T.P. for treatment & disposal to avoid untreated sewage entering into the Kota Cheruvu.

Further, informed that, the GWMC Detailed DPR is under preparation after getting technical sanction and tender process will be done for execution of the UGD Scheme.

With regard to the FTL survey and encroachments, the DE, Irrigation informed that, they have completed FTL survey through LIDAR and limits of the tank in which some of them were removed. Further, all the encroachments in the FTL limits of the tank will be removed in coordination with Revenue and Town Planning authorities.

The bund strengthening of the above tank was done under Mission Kakatiya Phase-I by the Irrigation Department. After strengthening of the bund, the GWMC will take execution of the work of the development of green belt along with the bund.

The TGPCB is monitoring the Kota Cheruvu under National Water Monitoring Programme (NWMP) on monthly basis. The analysis result for the month of August, 2024 is as tabulated below:

S.No.	Parameter	Values	CPCB Water Quality Criteria				
			Class-A	Class-B	Class-C	Class-D	Class-E
1.	pH	7.6	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5
2.	Dissolved Oxygen (DO)	4.8	≥5.0	≥5.0	≥4.0	≥4.0	-
3.	Electrical Conductivity (µs/cm)	931	-	-	-	-	2250 Max
4.	Total Suspended Solids (TSS)	44	-	-	-	-	-
5.	Total Dissolved Solids (TDS)	586	-	-	-	-	-
6.	Chlorides as Cl <sup>-</sup>	138	-	-	-	-	-
7.	Sulphates as SO <sub>4</sub> <sup>2-</sup>	68	-	-	-	-	-

8.	Chemical Oxygen Demand (COD)	32	-	-	-	-
9.	Biological Oxygen Demand (BOD)	2	<2.0	<3.0	<3.0	-
10.	Calcium Carbonate as CaCO <sub>3</sub>	36	-	-	-	-
11.	Magnesium Carbonate as CaCO <sub>3</sub>	20,655	-	-	-	-
12.	Calcium as Ca <sup>+2</sup>	90	-	-	-	-
13.	Magnesium as Mg <sup>+2</sup>	85	-	-	-	-
14.	Total alkalinity as CaCO <sub>3</sub>	150	-	-	-	-
15.	Total Coliform (MPN/100ml)	280	≤50	≤500	≤5000	-
16.	Fecal Coliform (MPN/100ml)	14	-	-	-	-
17.	Nitrates as NO <sub>3</sub> <sup>-</sup>	6.9	-	-	-	-
18.	Phosphates as PO <sub>4</sub> <sup>-3</sup>	3.2	-	-	-	-
19.	Fluoride as F <sup>-</sup>	0.52	-	-	-	-
Units:		All values are expressed in mg/L except pH, Electrical Conductivity, Coliform-bacteria.				

**CPCB Water Quality 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

As per the analysis report, the water quality of the lake falls under category D class as per CPCB water criteria classification, suitable for propagation of wild life and fisheries. The analysis results are communicated to the Commissioner, GWMC regularly for taking necessary action. The (Photographs collected during the inspection are submitting the as Annexure -II).

The GWMC has complied with some recommendations of Joint Committee, the GWMC has to construct I & D Structures for diversion of untreated sewage water with 42 MLD capacity Sewage Treatment Plant.

Place: Hanumakonda

Date: 16.12.2024

*Srinitha*  
ENVIRONMENTAL ENGINEER

ENVIRONMENTAL ENGINEER  
Telangana Pollution Control Board  
Regional Office, WARANGAL



TELANGANA POLLUTION CONTROL BOARD  
REGIONAL OFFICE, WARANGAL

H.No. 1-8-269, Balasamudram, Hanumakonda District - 506 001

R. SUNITHA, M.Tech.  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269.

e-mail: ee-wglu-tspcb@telangana.gov.in

Lr.No.3/PCB/RO-WGL/2024 - 673

Dt: 18.12.2024

From  
The Environmental Engineer,  
Telangana Pollution Control Board,  
Regional Office, Warangal.

To  
1. The District Collector, Hanumakonda  
2. The District Collector, Warangal  
3. The District Collector, Mulugu  
4. The Commissioner, GWMC, Warangal

Sir/Madam,

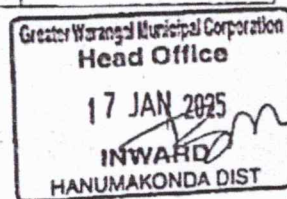
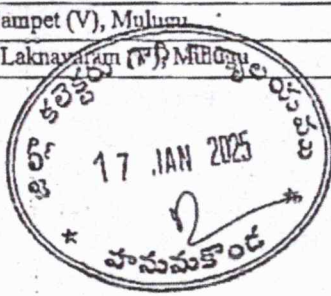
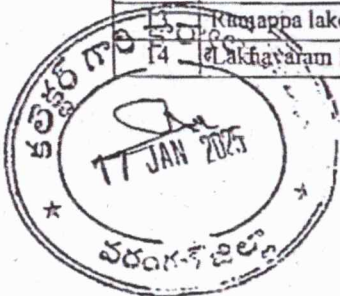
Sub:	TGPCB-RO-WGL-Monitoring of lakes under National Water Quality Monitoring Program (NWMP) of CPCB-Communication of Water Quality data of lakes- Requested to take necessary action-Reg.
Ref:	1. Water (Prevention & Control of Pollution) Act, 1974. 2. NGT OA No.325 of 2015 order dt.18.11.2020.

-00-

It is to submit that, National Water Quality Monitoring Programme (NWMP) is a Central Pollution Control Board (CPCB) sponsored programme in which, the TGPCB is monitoring Rivers, Lakes/Tanks, STPs and bore wells every month / half yearly as per CPCB monitoring protocol in Telangana State. The water quality data of the lakes are uploaded in the CPCB and TGPCB website for taking necessary action by the stake holder departments and also creating awareness to the public.

The TGPCB, RO, Warangal monitoring the water quality of the following lakes / tanks located in EW Warangal district every month regularly. The monitoring stations along with CPCB water quality criteria are as follows:

S.No.	Name of the Station	CPCB Water Criteria Class
1	Mucharla Nagaram cheruvu, Nagaram (V), Hanumakonda	D/E
2	Dharmasagar tank, Dharmasagar (V & M), Hanumakonda	A/B
3	Bandham Cheruvu, Hanumakonda	E
4	Pedda cheruvu, Madikonda, Hanumakonda	C/E
5	Waddepally tank, Kazipet, Hanumakonda	A/B
6	Bhadrakali tank, Warangal	B/D
7	Sai Cheruvu, Warangal	<E
8	Pakal lake, Narsampet, Warangal	A/B
9	Madannapet cheruvu, Narsampet, Warangal	A/B
10	Koti Cheruvu, Warangal	C/E
11	Rangasamudram, Warangal	D/E
12	Chinnawaddepally tank, Warangal	E/C
13	Rangappa lake, Palampet (V), Mulugu	A/B
14	Lakshyaram lake, Lakshyaram (V), Mulugu	A/B



CPCB Water Quality Criteria:	
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 E:	Not meeting A, B, C, D, E criteria

Vide reference 2<sup>nd</sup> cited, the Hon'ble NGT vide order dated 18.11.2020 in O.A. No.325 of 2015 has disposed the case with directions to restore water bodies.

The monthly water quality data of the lakes / tanks with water quality criteria class for the year 2024(Jan to Aug) is communicated with a request to take necessary action to restore the water bodies to bathing quality i.e., Class-B.

Encl: As above,

Yours faithfully,

*Sunita*  
 ENVIRONMENTAL ENGINEER  
 ENVIRONMENTAL ENGINEER  
 ENVIRONMENTAL ENGINEER  
 Director Board  
 Telangana Pollution Control Board  
 Regional Office: WARANGAL.

Copy to:

1. The Joint Chief Environmental Scientist, TGPCB, Board office, Hyderabad for kind information.
2. The Joint Chief Environmental Engineer, TGPCB, Zonal office, Hyderabad for kind information

INWARD  
 17 JAN 2024  
 Head Office

Name of the station: Hantham Cheruvu  
 Station code: 4682  
 Sampling location: Near NIT Warangal, Hanamkonda

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	E	0.3	7.46	1750	8.0	540	0.5	-	
Feb,24	E	0.3	8.25	1406	8.0	350	0.5	-	
Mar,24	E	0.3	7.46	1776	6.0	220	0.5		
Apr,24	E	1.8	7.20	1748	4.8	430	0.5	NA	
May,24	E	1.2	7.19	1638	4.0	350	0.5	#	
June,24	not collected due to water hyacinth								
July,24	E	2.5	7.21	1090	4.0	350	0.5	#	
Aug,24	not collected due to water hyacinth								

Name of the station: Dharmasagar tank  
 Station code: 1447  
 Sampling location: Dharmasagar (V&M), Hanamkonda

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	A	6.1	8.00	409	1.0	24	0.5	-	
Feb,24	B	5.8	8.13	462	1.8	26	0.5	-	
Mar,24	B	5.9	8.32	523	1.8	33	0.5		
Apr,24	A	6.2	8.18	488	1.0	24	0.5	NA	
May,24	B	5.8	7.46	504	1.8	24	0.5	#	
June,24	A	6.2	8.28	475	1.2	34	0.5	#	#
July,24	A	6.2	8.02	459	1.0	49	0.5	#	
Aug,24	A	6.0	8.27	412	1.2	32	0.5	#	

Name of the station: Pedda cheruvu  
 Station code: 4683  
 Sampling location: Madikonda, Kazipet, Hanamkonda

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	E	0.3	7.50	728	6.2	2.4	0.5	-	
Feb,24	E	0.3	8.18	807	6.0	170	0.5	-	
Mar,24	E	2.2	8.01	836	4.0	430	0.5		
Apr,24	C	4.9	7.38	864	2.0	350	0.5	NA	
May,24	E	2.6	7.68	792	3.6	120	0.5	#	
June,24	E	2.0	7.60	779	5.2	110	0.5	#	#
July,24	C	4.6	7.58	745	4.0	130	0.5	#	
Aug,24	E	1.3	8.13	864	5.0	350	0.5	#	

Name of the station: Rangasamudram  
 Station code: 4249  
 Sampling location: Ursu (V), Khila Warangal (M), Warangal Dist

Month	Water Class	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	D	4.0	7.66	1142	4.6	350	0.5	-	
Feb,24	E	0.3	8.30	1261	10.0	430	0.5	-	
Mar,24	E	2.0	7.94	1597	10.0	430	0.5		
Apr,24	Dried Up								
May,24	E	0.3	7.37	1488	12.0	540	0.5	#	
June,24	Water hyacinth								
July,24	water hyacinth								
Aug,24	E	3.5	8.14	765	2.0	210	0.5	#	

Name of the station: Sai Cheruvu  
 Station code: 2345  
 Sampling location: Desaipet, Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	< E	0.3	7.69	3140	8.3	540	0.5	-	
Feb,24	< E	0.3	7.90	3660	14.0	430	0.5	-	
Mar,24	< E	0.3	8.21	4520	12.0	540	0.5		
Apr,24	< E	0.3	7.56	5420	16.0	540	0.5	NA	
May,24	< E	0.3	7.26	6890	10.0	540	0.5	#	
June,24	< E	0.3	7.57	5670	10.0	540	0.5	#	#
July,24	< E	0.3	6.75	5010	10.0	430	0.5	#	
Aug,24	< E	2.4	7.66	3320	4.0	350	0.5	#	

Name of the station: Bhadrakali Cheruvu  
 Station code: 2346  
 Sampling location: Near Bhadrakali temple, Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	B	5.4	7.58	440	3.2	39	0.5	-	
Feb,24	B	5.2	8.23	673	2.2	39	0.5	-	
Mar,24	B	5.4	8.52	693	2.2	47	0.5		
Apr,24	D	4.9	7.90	689	2.0	36	0.5	NA	
May,24	B	5.6	8.13	573	1.8	39	0.5	#	
June,24	E	3.2	8.05	743	2.6	48	0.5	#	#
July,24	B	5.0	7.95	894	2.0	39	0.5	#	
Aug,24	B	5.8	7.96	851	1.2	49	0.5	#	

Name of the station: Waddepally tank  
 Station code: 3084  
 Sampling location: Waddepally, Hanamkonda

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	B	5.6	7.60	610	2.0	48	0.5	-	
Feb,24	B	5.8	8.19	642	2.0	33	0.5	-	
Mar,24	B	5.4	7.77	663	3.0	350	0.5		
Apr,24	B	5.8	7.70	656	1.8	220	0.5	NA	
May,24	A	6.0	7.04	582	1.2	46	0.5	#	
June,24	B	5.8	7.10	604	1.2	48	0.5	#	#
July,24	B	5.8	7.62	589	1.8	49	0.5	#	
Aug,24	A	6.0	7.79	648	1.4	70	0.5	#	

Name of the station: Mucharla Nagarm Lake  
 Station code: 4247  
 Sampling location: Mucharla (V), Nagaram (M), Hanamkonda Dist

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	E	3.1	7.68	938	4.2	140	0.5	-	
Feb,24	E	2.0	8.28	658	4.2	350	0.5	-	
Mar,24	B	5.2	8.02	876	2.0	430	0.5		
Apr,24	E	3.8	7.90	996	3.0	140	0.5	NA	
May,24	dried up								
June,24	Water hyacinth								
July,24	D	4.0	7.78	979	4.0	140	0.5	#	
Aug,24	D	4.3	8.12	822	1.4	350	0.5	#	

Name of the station: Pakala Lake  
 Station code: 4681  
 Sampling location: Narsampet, Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	A	6.0	7.84	184	1.8	27	0.5	-	
Feb,24	A	6.2	7.88	222	1.2	17	0.5	-	
Mar,24	A	6.2	8.04	262	1.2	70	0.5		
Apr,24	A	6.1	7.60	360	1.8	21	0.5	NA	
May,24	B	5.9	8.01	254	1.0	32	0.5	#	
June,24	A	6.1	7.82	248	1.0	27	0.5	#	#
July,24	A	6.0	7.90	258	1.0	32	0.5	#	
Aug,24	A	6.3	8.07	288	1.0	21	0.5	#	

Name of the station: Ramappa lake

Station code: 3068

Sampling location: Palampet (V), Venkatapuram (M), Mulugu Dist

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	A	6.1	7.72	292	1.8	17	0.5	-	
Feb,24	B	5.8	7.56	801	0.4	47	0.5	-	
Mar,24	B	5.8	8.52	432	1.2	21	0.5		
Apr,24	A	6.1	7.80	479	2.0	39	0.5	NA	
May,24	B	5.9	7.86	420	1.0	26	0.5	#	
June,24	A	6.2	8.46	426	1.8	24	0.5	#	#
July,24	A	6.2	8.22	418	1.0	46	0.5	#	
Aug,24	A	6.1	7.79	375	1.0	21	0.5	#	

Name of the station: Lakhavaram Lake

Station code: 4680

Sampling location: Lakhavaram(V), Govindarajpet (M), Mulugu Dist

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	A	6.2	7.76	151	1.8	33	0.5	-	
Feb,24	A	6.2	7.54	264	1.0	24	0.5	-	
Mar,24	A	6.2	8.21	170	1.2	14	0.5		
Apr,24	A	6.2	8.01	169	1.8	21	0.5	NA	
May,24	B	5.8	7.85	158	2.0	27	0.5	#	
June,24	A	6.2	7.63	210	1.6	17	0.5	#	#
July,24	A	6.1	7.42	114	1.0	32	0.5	#	
Aug,24	A	6.3	7.94	146	1.0	17	0.5	#	

Name of the station: Chinawaddepalli tank  
 Station code: 3085  
 Sampling location: Namamula (V), Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	E	0.3	7.32	1219	8.0	430	0.5	-	
Feb,24	E	0.3	8.27	1349	8.0	350	0.5	-	
Mar,24	E	0.3	8.16	1401	8.0	350	0.5		
Apr,24	E	0.3	8.00	1432	8.0	350	0.5	NA	
May,24	E	0.3	7.98	1368	8.0	350	0.5	#	
June,24	E	0.3	7.51	1272	12.0	430	0.5	#	#
July,24	E	0.3	7.34	1217	10.0	540	0.5	#	
Aug,24	C	4.0	8.04	993	2.0	430	0.5	#	

Name of the station: Koti Cheruvu  
 Station code: 4248  
 Sampling location: Mulugu road, Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	E	3.4	7.22	908	3.8	350	0.5	-	
Feb,24	E	2.6	8.08	952	4.8	220	0.5	-	
Mar,24	E	2.3	8.68	978	4.6	170	0.5		
Apr,24	E	3.8	8.10	996	3.0	140	0.5	NA	
May,24	E	2.3	7.83	936	2.8	220	0.5	#	
June,24	E	3.2	7.32	990	3.0	280	0.5	#	#
July,24	E	1.8	6.95	812	5.2	350	0.5	#	
Aug,24	C	4.8	7.60	931	2.0	280	0.5	#	

Name of the station: Madannapet Lake  
 Station code: 1215  
 Sampling location: Narsampet(V&M), Warangal Dist

Month	Water Class	DO (mg/L)	pH	Conductivity (mS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR	Free Ammonia (mg/L)
Jan,24	A	6.0	7.63	377	1.4	48	0.5	-	
Feb,24	A	6.0	7.87	386	1.4	21	0.5	-	
Mar,24	B	5.6	7.52	386	2.5	94	0.5		
Apr,24	A	6.0	8.00	405	1.8	32	0.5	NA	
May,24	B	5.6	7.04	443	1.2	34	0.5	#	
June,24	A	6.2	7.43	369	1.0	24	0.5	#	#
July,24	A	6.4	7.83	386	1.0	40	0.5	#	
Aug,24	A	6.2	8.16	338	1.2	49	0.5	#	

-337-  
27



**TELANGANA POLLUTION CONTROL BOARD  
REGIONAL OFFICE, WARANGAL**

H.No. 1-8-269, Balasamudram, Hanumakonda District - 506 001

R. SUNITHA, M.Tech.  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269.

e-mail: [ee-wglu-tspcb@telangana.gov.in](mailto:ee-wglu-tspcb@telangana.gov.in)

Lr.No./PCB/RO-WGL/2024 - 63

Dt: 18.05.2024

From  
The Environmental Engineer,  
Telangana Pollution Control Board,  
Regional Office, Warangal.

- To
1. The Commissioner, GWMC, Warangal
  2. The District Irrigation Officer,  
Hanumakonda
  3. The District Irrigation Officer, Warangal
  4. The District Irrigation Officer, Mulugu

Sir,

Sub:	TGPCB-RO-WGL-Monitoring of lakes under National Water Quality Monitoring Program (NWMP) of CPCB-Communication of Water Quality data of lakes- Requested to take necessary action-Reg.
Ref:	1. Water (Prevention & Control of Pollution) Act, 1974. ... 2. NGT OA No.325 of 2015 order dt.18.11.2020. 3. Lr.No.692/TSPCB/Resl.Water Bodies/2023-1827 date:14.03.2024

-000-

It is to submit that, National Water Quality Monitoring Programme (NWMP) is a Central Pollution Control Board (CPCB) sponsored programme in which, the TGPCB is monitoring Rivers, Lakes/Tanks, STPs and bore wells every month / half yearly as per CPCB monitoring protocol in Telangana State. The water quality data of the lakes are uploaded in the CPCB and TGPCB website for taking necessary action by the stake holder departments and also creating awareness to the public.

The TGPCB, RO, Warangal is monitoring the water quality of the following lakes / tanks located in Dewriwarangal District every month regularly. The monitoring stations along with CPCB water quality criteria are as follows:

S.No.	Name of the Station	CPCB Water Criteria Class
1	Mucharla Nagaram cheruvu, Nagaram (V), Hanumakonda	C/D
2	Dharmasagar tank, Dharmasagar (V & M), Hanumakonda	A/B
3	Bandham Cheruvu, Hanumakonda	C/D
4	Pedda cheruvu, Madikonda, Hanumakonda	C/D
5	Waddepally tank, Kazipet, Hanumakonda	A/B
6	Bhadrakali tank, Warangal	B/C/D
7	Sai Cheruvu, Warangal	<E
8	Pakal lake, Narsampet, Warangal	A/B
9	Madannapet cheruvu, Narsampet, Warangal	A/B
10	Koti Cheruvu, Warangal	C/D
11	Rangasamudram, Warangal	B/C/D
12	Chinnawaddepally tank, Warangal	C (Aug, 2023)
13	Ramappa lake, Palampet (V), Mulugu	A/B
14	Laknavaram lake, Laknavaram (V), Mulugu	A/B

CPCB Water Quality Criteria:	
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 E:	Not meeting A, B, C, D, E criteria

Vide reference 2<sup>nd</sup> cited, the Hon'ble NGT vide order dated 18.11.2020 in O.A. No.325 of 2015 has disposed the case with directions to restore water bodies.

The Board, vide reference 3<sup>rd</sup> cited, communicated monthly water quality data of the lakes / tanks with water quality criteria class for the year 2023 (Jan to Dec) and Jun 2024 & requested to take necessary action to restore the water bodies to bathing quality i.e., Class-B.

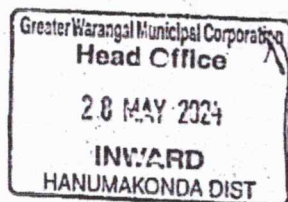
In view of the above, it is requested to take necessary action to restore the water bodies to bathing quality i.e. Class-B.

Encl: As above.

Yours faithfully,

*Sunita*  
 ENVIRONMENTAL ENGINEER  
 ENVIRONMENTAL ENGINEER  
 Telangana Pollution Control Board  
 Regional Office: WARANGAL

Copy to the Joint Chief Environmental Engineer, TGPCB, Board office, Hyderabad for kind information.



Name of the Station: Phakal Cheruvu  
 Station Code:4681  
 Sample Location: Haranpet, Warangal District

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{S/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	FAH
Jan, 23	B	5.8	8.14	396	2.6	24	0.5	HA
Feb, 23	B	5.2	8.16	1102	1.2	46	0.5	HA
Mar, 23	B	5.4	8.26	456	1.2	21	0.5	HA
Apr, 23	A	6.0	7.82	210	1.2	14	0.5	HA
May, 23	B	5.2	7.52	473	2.0	24	0.5	HA
Jun, 23	A	6.0	7.69	224	1.2	31	0.5	HA
July, 23	B	6.1	8.12	266	1.2	179	0.5	HA
Aug, 23	A	6.2	7.51	124	1.2	27	0.5	HA
Sep, 23	A	6.0	7.53	162	1.0	39	0.5	HA
Oct, 23	A	6.2	7.09	177	1.2	17	0.5	HA
Nov, 23	A	6.2	7.55	175	1.4	10	0.5	HA
Dec, 23	B	5.8	7.48	186	1.0	110	0.5	HA
Jan, 24	A	6.0	7.84	181	1.8	27	0.5	HA

Name of the Station: Madannpet cheruvu  
 Station Code:1213  
 Sample Location: Nasampet (V&M), Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{S/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	FAH
Jan, 23	B	5.8	8.44	382	2.4	27	0.5	HA
Feb, 23	C	4.8	7.75	318	2.6	24	0.5	HA
Mar, 23	B	5.4	8.41	474	1.6	26	0.5	HA
Apr, 23	A	6.0	8.01	455	1.8	21	0.5	HA
May, 23	B	5.8	7.64	360	1.4	20	0.5	HA
Jun, 23	A	6.0	7.54	522	1.8	46	0.5	HA
July, 23	A	6.1	7.82	382	1.4	24	0.5	HA
Aug, 23	A	6.1	7.55	165	1.8	24	0.5	HA
Sep, 23	A	6.2	7.84	236	1.2	24	0.5	HA
Oct, 23	A	6.1	7.54	314	1.6	32	0.5	HA
Nov, 23	A	6.1	7.56	343	1.6	17	0.5	HA
Dec, 23	B	5.8	7.68	302	2.0	120	0.5	HA
Jan, 24	A	6.0	7.63	377	1.4	48	0.5	HA

Name of the Station: Ranappa lake

Station Code: 3036

Sample Location: Palampet (V), Venkatapuram (M), Mulugu District.

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	B	6.0	8.13	233	3.2	38	0.5	NA
Feb, 23	B	5.2	7.05	235	1.4	38	0.5	NA
Mar, 23	B	5.2	7.50	286	1.6	39	0.5	NA
Apr, 23	A	6	7.87	290	1.2	41	0.5	NA
May, 23	A	6.2	7.89	277	1.2	34	0.5	NA
Jun, 23	B	5.2	7.56	282	2.8	48	0.5	NA
July, 23	A	6.1	7.49	244	1.0	21	0.5	NA
Aug, 23	A	6.2	7.68	208	1.0	49	0.5	NA
Sep, 23	A	6.0	7.53	240	1.2	21	0.5	NA
Oct, 23	A	6.0	7.51	247	1.8	24	0.5	NA
Nov, 23	B	5.6	7.58	268	1.8	32	0.5	NA
Dec, 23	A	6.0	8.28	280	1.8	26	0.5	NA
Jan, 24	A	6.1	7.72	292	1.8	17	0.5	NA

Name of the Station: Laknavaram lake

Station Code: 4680

Sample Location: Laknavaram, (V), Govindarao peta (M), Mulugu District.

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	A	6.4	8.06	172	1.4	20	0.5	NA
Feb, 23	B	5.6	7.55	150	1.2	17	0.5	NA
Mar, 23	B	5.8	7.35	172	1.2	20	0.5	NA
Apr, 23	A	6.2	7.62	188	1.2	24	0.5	NA
May, 23	A	6.0	7.16	240	1.0	26	0.5	NA
Jun, 23	B	5.8	7.10	244	2.8	39	0.5	NA
July, 23	A	6.2	7.53	279	1.0	11	0.5	NA
Aug, 23	A	6.2	7.20	75	1.2	33	0.5	NA
Sep, 23	A	6.2	7.14	125	1.6	21	0.5	NA
Oct, 23	A	6.2	7.10	134	1.0	14	0.5	NA
Nov, 23	A	6.2	7.11	150	1.0	21	0.5	NA
Dec, 23	A	6.2	7.67	151	1.0	28	0.5	NA
Jan, 24	A	6.2	7.76	151	1.8	33	0.5	NA

Name of the Station: Mucharla Nagaram cheruvu

Statio Code: 4247

Sample Location: Nagaram (V), Hasanparthy (M), Hanumakonda , Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{s/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	-	3.2	7.88	812	4.4	430	0.5	NA
Feb,23	-	3.3	7.67	639	3.0	350	0.62	NA
Mar,23	D	2.3	8.02	657	3.8	350	0.5	NA
Apl,23	-	3.7	7.95	764	2.8	350	0.5	NA
May,23	-	2.0	7.22	839	4.8	79	0.5	NA
Jun,23	C	4.8	7.38	944	3.0	220	0.5	NA
July,23	C	4.2	7.57	801	3.0	350	0.5	NA
Aug,23	D	5.1	8.05	384	1.2	430	0.5	NA
Sep,23	-	3.2	8.16	538	4.8	170	0.5	NA
Oct-23	C	4.6	8.18	553	2.8	94	0.5	NA
Nov,23	-	0.3	7.78	810	7.2	350	0.5	NA
Dec,23	-	3.4	8.42	869	2.8	120	0.5	NA
Jan, 24	-	3.1	7.68	938	4.2	140	0.5	NA

Name of the Station: Wadepalli Cheruvu

Statio Code: 3054

Sample Location: Wadepally (V), Hanamkonda (M&D)

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{s/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	B	5.8	7.86	559	2.4	210	0.6	NA
Feb,23	B	5.0	7.77	553	2.6	170	0.5	NA
Mar,23	B	5.1	8.31	577	1.6	110	0.5	NA
Apl,23	A	6	7.52	524	1.8	110	0.5	NA
May,23	B	5.2	7.34	498	2.2	47	0.5	NA
Jun,23	B	5.0	7.24	522	2.6	58	0.5	NA
July,23	B	6.0	7.65	523	1.6	49	0.5	NA
Aug,23	B	5.6	7.64	294	1.8	63	0.5	NA
Sep,23	A	6.0	7.65	354	1.8	25	0.5	NA
Oct-23	A	6.0	7.79	518	1.8	43	0.5	NA
Nov,23	B	5.8	6.99	549	1.6	32	0.5	NA
Dec,23	B	5.8	8.24	581	1.6	48	0.5	NA
Jan, 24	B	5.6	7.60	610	2.0	48	0.5	NA

Name of the Station: Pedda Cheruvu

Statio Code: 4683

Sample Location: Madikonda (V), Khazipet (M), Hanumakonda, Warangal

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{s/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	D	5.2	8.05	776	4.0	350	0.5	NA
Feb, 23	-	3.8	7.31	543	3.6	220	0.5	NA
Mar, 23	C	4.0	8.31	520	3.0	170	0.5	NA
Apr, 23	B	5	7.89	344	1.2	210	0.5	NA
May, 23	-	3.2	7.28	694	2.4	58	0.5	NA
Jun, 23	-	3.2	7.17	734	2.6	110	0.5	NA
July, 23	-	3.6	7.72	787	2.4	350	0.5	NA
Aug, 23	C	4.5	8.05	693	2.2	120	0.5	NA
Sep, 23	-	2.0	7.71	618	5.0	70	0.5	NA
Oct, 23	-	3.8	7.83	568	2.4	120	0.5	NA
Nov, 23	-	1.8	7.39	555	5.4	210	0.5	NA
Dec, 23	-	0.3	8.27	648	8.0	220	0.5	NA
Jan, 24	-	0.3	7.50	728	6.2	2.4	0.5	NA

Name of the Station: Rangasamudram

Statio Code: 4249

Sample Location: Ursu (V), Khila Warangal (M), Warangal District

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{s/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	B	5.6	7.67	948	2.8	430	0.61	NA
Feb, 23	D	4.0	8.28	533	3.4	350	0.5	NA
Mar, 23	C	4.4	8.18	458	1.8	280	0.5	NA
Apr, 23	-	1.3	7.65	1151	4	350	0.5	NA
May, 23	-	2.0	7.13	1047	3.0	350	0.5	NA
Jun, 23	-	3.0	7.41	727	4.0	280	0.5	NA
July, 23	-	2.8	7.16	824	4.0	430	0.5	NA
Aug, 23	B	5.6	7.95	439	2.5	110	0.5	NA
Sep, 23	-	0.3	8.27	736	8.8	130	0.5	NA
Oct, 23	-	3.2	8.11	765	4.8	94	0.5	NA
Nov, 23	-	0.3	7.34	956	7.8	350	0.5	NA
Dec, 23	-	0.3	8.85	1008	8.0	350	0.5	NA
Jan, 24	-	4.0	7.66	1142	4.6	350	0.5	NA

- 343 -  
- 33 -

Name of the Station: Dharmasagar Tank

Statio Code: 1447

Sample Location: Dharmasagar(V&M), Hanumakonda District

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	B	6.1	7.90	466	2.0	70	0.5	NA
Feb, 23	B	5.2	7.50	540	1.9	84	0.5	NA
Mar, 23	B	5.4	8.22	326	1.2	58	0.5	NA
Apl, 23	A	6	7.88	290	1.2	43	0.5	NA
May, 23	A	6.2	7.73	248	1.2	14	0.5	NA
Jun, 23	B	5.9	7.48	349	1.8	43	0.5	NA
July, 23	A	6.0	7.47	339	1.6	48	0.5	NA
Aug, 23	B	6.2	7.80	299	1.0	58	0.5	NA
Sep, 23	A	6.0	7.86	308	1.8	25	0.5	NA
Oct, 23	A	6.2	8.17	312	1.6	33	0.5	NA
Nov, 23	B	5.8	7.58	373	1.8	32	0.5	NA
Dec, 23	A	6.1	8.15	389	1.2	21	0.5	NA
Jan, 24	A	6.1	8.00	409	1.0	24	0.5	NA

Name of the Station: Bandam Cheruvu

Statio Code: 4682

Sample Location: Near NIT Warangal, Hanamkonda

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	D	4.2	7.85	637	3.4	350	0.5	NA
Feb, 23	-	2.8	7.93	439	5.0	280	0.5	NA
Mar, 23	C	4.8	8.28	504	1.6	280	0.5	NA
Apl, 23	C	4.5	8.09	558	3	280	0.5	NA
May, 23	C	4.5	7.26	542	2.2	94	0.5	NA
Jun, 23	C	4.2	7.36	1406	2.8	920	0.66	NA
July, 23	-	Not submitted by RO/HYD						
Aug, 23	-	Not collected due to water hycinth						
Sep, 23	-	0.3	7.49	935	10.0	220	0.5	NA
Oct, 23	-	0.3	7.22	1159	10.0	220	0.5	NA
Nov, 23	-	0.3	7.15	1520	8.0	430	0.5	NA
Dec, 23	-	0.3	7.64	1605	10.0	430	0.5	NA
Jan, 24	-	0.3	7.46	1750	8.0	540	0.5	NA

Name of the Station: Kotl Cheruvu

Statio Code: 4248

Sample Location: Mulugu Road, Warangal, Warangal District

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{S/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	-	0.3	6.92	1063	2.0	430	0.5	NA
Feb, 23	-	1.4	8.16	1102	5.0	430	0.5	NA
Mar, 23	D	2.2	8.36	1008	3.2	430	0.5	NA
Apr, 23	-	1.8	8.35	895	5.2	350	0.5	NA
May, 23	-	2.2	7.93	901	3.8	280	0.5	NA
Jun, 23	-	2.0	6.77	788	4.0	210	0.5	NA
July, 23	-	3.6	7.77	851	4.8	120	0.5	NA
Aug, 23	C	4.2	7.89	667	2.4	350	0.5	NA
Sep, 23	-	1.0	7.11	869	5.9	170	0.5	NA
Oct, 23	-	0.6	7.94	841	5.4	110	0.5	NA
Nov, 23	C	4.8	7.13	612	2.0	210	0.5	NA
Dec, 23	-	0.3	7.12	740	6.0	430	0.5	NA
Jan, 24	-	3.4	7.22	908	3.8	350	0.5	NA

Name of the Station: Bhadrakali Cheruvu

Statio Code: 2346

Sample Location: Near Bhadrakali Temple, Hanumakonda

Month	Water Class	DO (mg/L)	pH	Conductivity ( $\mu\text{S/cm}$ )	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	D	5.8	7.78	799	3.8	150	0.5	NA
Feb, 23	B	5.0	8.20	928	2.8	170	0.5	NA
Mar, 23	B	5.0	8.19	383	1.8	63	0.5	NA
Apr, 23	B	5.1	8.59	749	2.2	110	0.5	NA
May, 23	B	5.9	7.99	379	1.8	43	0.5	NA
Jun, 23	B	5.1	8.01	402	2.6	44	0.5	NA
July, 23	B	5.8	7.95	341	1.8	32	0.5	NA
Aug, 23	B	5.6	7.96	357	1.2	110	0.5	NA
Sep, 23	C	4.0	8.05	416	2.6	43	0.5	NA
Oct, 23	D	4.3	8.06	445	3.6	47	0.5	NA
Nov, 23	-	5.2	7.97	415	3.2	32	0.5	NA
Dec, 23	C	4.2	7.94	442	3.0	350	0.5	NA
Jan, 24	-	5.4	7.58	440	3.2	39	0.5	NA

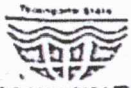
- 34 -  
- 35 -

Name of the Station: Sai Cheruvu  
 Statio Code: 2345  
 Sample Location: Deshaipet(V), Warangal (M&D)

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/l)	SAR
Jan, 23	<E	0.3	7.51	2824	12.0	430	0.5	NA
Feb,23	<E	0.3	7.86	3540	14.0	540	0.5	NA
Mar,23	<E	0.3	7.61	4130	20.0	540	0.5	NA
Apr,23	<E	0.3	7.64	4420	12	540	0.6	NA
May,23	<E	0.3	7.24	4710	16.0	430	0.5	NA
Jun,23	<E	0.3	6.68	5210	14.0	350	0.72	NA
July,23	<E	0.3	8.12	7160	22.0	540	0.5	NA
Aug,23	-	2.4	7.81	999	3.0	430	0.5	NA
Sep,23	-	0.3	8.21	1429	12.0	430	0.5	NA
Oct-23	-	0.3	8.19	2099	18.0	540	0.5	NA
Nov,23	<E	0.3	7.78	2469	10.0	43	0.5	NA
Dec,23	<E	0.3	7.86	2807	10.0	920	0.5	NA
Jan, 24	<E	0.3	7.69	3140	8.3	540	0.5	NA

Name of the Station: Chinna Wadepalli Cheruvu  
 Statio Code: 30853  
 Sample Location: Enumamula(V), Warangal(M&D)

Month	Water Class	DO (mg/L)	pH	Conductivity (µs/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Boron (mg/L)	SAR
Jan, 23	-	0.3	6.95	1073	9.0	540	0.5	NA
Feb,23	-	0.3	7.82	1156	15.0	540	0.5	NA
Mar,23	-	0.3	8.32	1002	10.0	540	0.5	NA
Apr,23	-	0.3	8.37	848	6.2	540	0.61	NA
May,23	-	0.8	7.51	1371	6.0	540	0.5	NA
Jun,23	-	0.3	7.63	1382	8.0	430	0.5	NA
July,23	-	0.3	8.16	1145	6.5	430	0.5	NA
Aug,23	C	4.8	7.76	524	2.0	350	0.5	NA
Sep,23	-	0.3	8.19	671	7.0	350	0.5	NA
Oct-23	-	0.3	8.10	856	8.0	350	0.5	NA
Nov,23	-	0.3	7.95	1098	6.8	540	0.5	NA
Dec,23	-	0.3	7.8	1146	6	920	0.5	NA
Jan, 24	-	0.3	7.32	1219	8	430	0.5	NA



REGIONAL OFFICE, WARANGAL

H.No. 1-8-269, Balasamudram, Hanamkonda, Warangal District - 506 001

Annexure - IV

M.VENKAT NARSU  
ENVIRONMENTAL ENGINEER

Phone No: 0870-2577269

e-mail: ee-wglu-tspcb@telangana.gov.in

Lr.No. TSPCB/RO-WGL/2021 - 556

Date: 12-2-21

To  
The Municipal Commissioner,  
GWMC,  
Warangal.

Respected Sir/Madam,

Sub: TSPCB-RO-Warangal - Analysis data of Rivers, Lakes/Tanks, STPs and bore wells in GWMC under National Water Quality Monitoring Programme (NWMP)- Submitted - Reg.

-000-

It is to submit that, National Water Quality Monitoring Programme (NWMP) is a Central Pollution Control Board (CPCB) sponsored programme in which, the TSPCB is monitoring 210 stations (Rivers, Lakes/Tanks, STPs and bore wells) every month / half yearly as per CPCB monitoring protocol. The analysis data of NWMP locations is submitted to CPCB through EWQDES (Environmental Water Quality Data Entry System) portal. Under GWMC area TSPCB,RO,Warangal is monitoring 11 stations (Lakes/Ponds and bore wells).The monitoring stations are:

S.No.	Name of the Station	Station Code
1	Koti Cheruvu, Hanamkonda, Warangal	4243
2	Rangasamudram, Warangal	4249
3	Bandham Cheruvu	4682
4	Pedda cheruvu, Madikonda	4683
5	Chinnawaddepally tank, Warangal	3085
6	Waddepally tank, Kazipet	3034
7	Bhadrakali tank	2346
8	Sai Cheruvu	2345
9	Borewell at CKM College, Enamamula	1792
10	Borewell at Pydipally near East side of Sai cheruvu	1791
11	B.w at IDA Rampur, Hanamkonda	4280

The CPCB while reviewing Water Quality data (Ground water) submitted under NWMP in the year 2019 by the Board that in respect of the ground water location Bore well near Municipal Dump site, IDA Rampur, Hanamkonda, Warangal, important parameters such as Total hardness, Calcium hardness and Total Dissolved solids exceeded compared with BIS Drinking Water specification (IS 10050:2012).

The Analysis Data of 11 monitoring stations in GWMC by the Regional Office, Warangal along with CPCB Designated Best Use Water Quality Criteria are attached herewith for kind perusal. With regard to exceedance of certain parameters, action may be initiated & reply may be furnished to the Board for communicating the same to CPCB.



Yours faithfully,

M. Venkat Narsu  
ENVIRONMENTAL ENGINEER  
ENVIRONMENTAL ENGINEER  
Telangana State POLLUTION CONTROL  
BOARD REGIONAL OFFICE,  
WARANGAL

	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2010	6.1	7.51	4191	8.3	1460.0	-	-	-
2011	5.7	7.99	11948	9.8	1425	-	34.0	-
2012	2.7	7.82	31533	1457	1600	-	-	-
2013	Nil	7.60	26030	120	1600	-	35.6	1
2014	1.0	7.74	23210	422	ND	-	54.65	0.61
2015	Nil	7.73	29929	680.3	243	-	169	0.93
2016	1.1	7.47	14718	228	273	-	59.50	0.5
2017	0.2	7.80	21142	158	226	-	41.18	0.6
2018	1.6	7.60	16302	141	4195	-	35.6	0.4
2019	<0.1	7.51	9045	159	473	1.20	25.1	0.28
2020	2.0	7.83	6463	41.5	240	<0.01	14.3	0.30

Name of the Station: Bhadrakall tank  
 Station Code: 2346

C

	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2010	6.2	6.71	403	4.1	140	-	-	-
2011	7.4	7.87	381	4.5	1600	-	1.3	-
2012	5.5	7.88	456	15	903	-	-	-
2013	4.7	8.30	502	12	350	-	1	0.4
2014	5.4	7.55	410	3	400	-	0.75	0.1
2015	4.4	7.71	487	3.9	568	-	1.0	0.10
2016	5.7	7.81	436	4	868	-	1.10	0.1
2017	5.6	8.25	407	3	624	-	0.96	0.0
2018	5.2	7.64	577	3	117	-	1.6	0.1
2019	5.5	7.95	459	2.9	80	0.10	1.0	0.10
2020	5.7	7.92	495	2.6	18	<0.01	1.8	0.21

C

Name of the Station: Waddepally tank, Kazipet  
 Station Code: 3084

	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2012	6.8	7.84	509	19	594	-	-	-
2013	4.0	7.80	518	12	900	-	1	0.7
2014	4.0	7.46	452	4	620	-	1.33	0.02
2015	4.1	7.58	475	9.5	880	-	1.4	0.13
2016	5.5	7.78	405	5	654	-	0.93	0.2
2017	5.5	8.15	395	4	265	-	0.74	0.0
2018	5.3	7.87	524	11	63	-	1.3	0.1
2019	5.0	7.64	644	3.5	44	0.20	1.5	0.09
2020	5.4	7.91	457	2.7	36	0.01	1.5	0.21

Name of the Station: Chinnawaddepally tank  
 Station Code: 3085

	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2012	3.1	7.75	1686	19	771	-	-	-
2013	3.1	7.80	1972	40	1600	-	2.6	0.8
2014	3.2	7.61	1642	13	-	-	3	0.09
2015	2.6	7.84	1506	11.8	1063	-	3.7	0.24
2016	4.0	7.01	1365	17	794	-	4.06	0.3
2017	4.2	8.14	1049	18	608	-	3.15	0.2
2018	3.5	8.00	1475	16	1745	-	4.1	0.2
2019	1.9	7.55	1711	22	379	0.50	7.5	0.24
2020	2.1	7.84	1010	16.9	321	0.01	4.2	0.29

Name of the Station: Koti Cheruvu, Hanamkonda, Warangal  
 Station Code: 4248

	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2018	3.4	7.31	1098	12	291	-	3.0	0.2
2019	3.5	7.32	1185	11	309	NA	2.7	0.24
2020	1.8	7.33	929	8.4	167	<0.01	3.0	0.29

Name of the Station: Rangasamudram, Warangal  
 Station Code: 4249

Station name	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2018	3.2	7.62	1426	11	205	-	3.49	0.2
2019	0.4	7.58	1484	20	337	0.90	3.0	0.22
2020	2.7	7.77	1084	9.6	217	<0.01	3.3	0.30

Name of the Station: Bandham Cheruvu  
 Station Code: 4682

Station name	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)
2019	0.9	7.56	1500	20	331	0.02	2.2	0.24
2020	2.6	7.75	1019	8.0	248	<0.01	3.1	0.41

Name of the Station: Pedda cheruvu, Madikonda  
 Station Code: 4683

Station name	DO (mg/L)	pH	Conductivity (µS/cm)	BOD (mg/L)	Total Coliform (MPN/100ml)	Free Ammonia (mg/L)	SAR	Boron (mg/L)

### Designated Best Use Water Quality Criteria

Designated-Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20C 2mg/l or less
Outdoor bathing (Organised)	B	Total Coliforms Organism MPN/100ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Propagation of Wild life and Fisheries	D	pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	pH between 6.0 to 8.5 Electrical Conductivity at 25C micro mhos/cm Max.2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l

C

Parameter	2010	2011	2013	2014	2015	2016	2017	2018	2019	BIS 10500 : 2012 Standards	
										Acceptable Limit	Permissible Limit
DO (mg/L)	3.3	2.8	3.4		0.9	4.25	0.7	3.7	2.6	-	-
pH	6.71	7.095	7.7	7.9	7.83	7.78	7.34	7.235	7.28	6.5-8.5	No relaxation
Conductivity (µS/cm)	3711	3567.5	1454	1184	1132	909	1166.5	1358	1661	-	-
BOD (mg/L)	0.3	0.7	10		1.2	10	5.5	10	NA	-	-
Nitrate	24	63.55	0.1		4.02	-	4	5.93	7.2	45	No relaxation
Nitrite-N (mg/L)	-	-	-	BDL	-	-	<0.1	-	NA	-	-
Fecal Coliform (MPN/100ml)	2	350	-		-	-	-	25	NA	-	-
Total Coliform (MPN/100ml)	110	1600	-		-	-	12	247	20	-	-
Faccal streptococci	-	-	-	-	-	-	-	-	-	-	-
Saprobity Index	-	-	-	-	-	-	-	-	NA	-	-
Diversity Index	-	-	-	-	-	-	-	-	NA	-	-
P/R Ratio	-	-	-	-	-	-	-	-	NA	-	-
Turbidity (NTU)	-	-	-	-	58	13.5	5.65	5.34	8.2	1	5
Phen-Alk. (mg/L)	-	-	-	0	0	<1.0	Nil	1	<1	-	-
Total Alk. (mg/L)	-	122	235	200	340	223	290	277.5	310	200	600
Chloride (mg/L)	-	1085	164	240	108	126	151.5	226	270	250	1000
COD (mg/L)	-	438	23	73	40	92	46.5	64.5	66	-	-
TKN (mg/L)	-	88	-	-	-	<5.0	<5.0	<5.0	4.2	-	-
Ammonia (mg/L)	0.25	0.81	0.1	-	-	<0.1	<1	-	NA	0.5	No relaxation
Free Ammonia (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Hardness (mg/L)	-	1320	336	320	360	302.5	465	492.5	540	200	600
Calcium (mg/L)	-	242	62	64	23.2	61	101	115	114	75	200
Magnesium (mg/L)	-	173.6	44	39	38	36.5	51.6	49.8	62.0	30	100
Sulphate (mg/L)	-	86.15	44	92	42	47	81.5	79	89	200	400
Sodium (mg/L)	-	230	51	146	52	74.5	62.5	87	126	-	-
TDS (mg/L)	-	2054	888	768	696	577	662.5	857	1042	500	2000
TFS (mg/L)	-	2454	-	-	510	438.5	513	616	NA	-	-
TSS (mg/L)	-	-	10	20	6	7.5	11.5	9	7	-	-
Total Phosphate (mg/L)	-	-	0.1	0.3	1.09	<0.01	0.065	9	0.02	-	-
Ortho Phosphate (mg/L)	-	-	-	-	-	-	-	-	NA	-	-
Boron (mg/L)	-	1.6	0.6	0.1	1.0	0.1	0.5	0.1	0.1	0.5	1
Potassium (mg/L)	-	6.5	12.0	5.0	2.0	8.0	3.0	6.5	5.0	-	-
Fluoride (mg/L)	-	1.8	1.3	1.3	2.3	1.6	1.1	1.6	1.4	1	1.5
sodium %	-	29.0	24.0	49.3	34.1	33.4	22.3	26.2	33.4	-	-
SAR	-	2.8	0.9	2.5	1.5	1.6	1.3	1.7	2.0	-	-
Arsenic	-	-	-	-	BDL	-	-	-	-	-	-
Lead	-	-	-	-	BDL	BDL	0.411	0.062	0.012	-	-
Cadmium	-	-	-	-	BDL	BDL	BDL	BDL	<0.003	-	-
Copper	-	-	-	-	BDL	BDL	BDL	0.04	<0.05	0.05	1.5
Zinc	-	-	-	-	BDL	0.05	BDL	0.257	0.025	5	15
Total Chromium	-	-	-	-	BDL	0.06	BDL	BDL	<0.05	-	-
Nickel	-	-	-	-	BDL	0.14	BDL	BDL	<0.02	-	-
Iron	-	-	-	-	BDL	-	-	BDL	0.343	0.3	No relaxation

Parameters	2010	2011	2013	2014	2015	2016	2017	2018	2019	BIS 10500 : 2012 Standards	
										Acceptable Limit	Permissible Limit
DO (mg/L)	4.8	2.9	3.6	2.3	3.6	4.2	2.35	2.15	2	-	-
pH	6.91	7.125	7.8	7.95	6.81	8.56	7.76	7.49	7.98	6.5-8.5	No relaxation
Conductivity (µS/cm)	2622	2748.5	2352	1517	2250	1683	1764.5	1453.5	1591	-	-
BOD (mg/L)	0.5	0.75	6	1	1.4	6	6	5	NA	-	-
Nitrate	20	23.7	0.1	1.3	3.81	-	8	16.4	12.08	45	No relaxation
Nitrite-N (mg/L)	-	-	-	BDL	-	-	<0.1	-	NA	-	-
Faecal Coliform (MPN/100ml)	2	32	-	5	-	-	-	27	NA	-	-
Total Coliform (MPN/100ml)	170	240	-	20	-	-	10	13.5	20	-	-
Faecal streptococci	-	-	-	-	-	-	-	-	-	-	-
Saprobity Index	-	-	-	-	-	-	-	-	NA	-	-
Diversity index	-	-	-	-	-	-	-	-	NA	-	-
P/R Ratio	-	-	-	-	-	-	-	-	NA	-	-
Turbidity (NTU)	-	8	-	7	28	30	12	5.465	6	1	5
Phen-Alc. (mg/L)	-	-	-	5	0	20	10	1	<1	-	-
Total Alk. (mg/L)	-	182	245	210	300	282.5	315	337.5	365	200	600
Chloride (mg/L)	-	727.5	380	233.5	390	286.5	215.5	205.5	218	250	1000
COD (mg/L)	-	191	16	78	62	90	70.8	39	24	-	-
TKN (mg/L)	-	29	-	BDL	-	-	<5.0	<5.0	4.3	-	-
Ammonia (mg/L)	0.1	0.52	0.1	BDL	-	<0.1	<1	-	NA	0.5	No relaxation
Free Ammonia (mg/L)	-	-	-	-	-	-	-	-	-	-	-
Hardness (mg/L)	-	360	620	365	675	510	300	395	435	200	600
Calcium (mg/L)	-	232	96	127	11.2	111	81	105	82	75	200
Magnesium (mg/L)	-	67.95	92	145	22	56.5	36.118	32.198	55.89	30	100
Sulphate (mg/L)	-	131.5	92	92	68	92.5	132	96	116	200	400
Sodium (mg/L)	-	250	18	130	76	154	153	141	160	-	-
TDS (mg/L)	-	1786	1442	770	1620	1089	1007	928	1019.5	500	2000
TFS (mg/L)	-	1334	-	655	1580	855	791	748	NA	-	-
TSS (mg/L)	-	7	8	8.5	24	10	8	6	8.5	-	-
Total Phosphate (mg/L)	-	-	0.2	0.105	1.2	1.1	0.2925	6	0.2	-	-
Ortho Phosphate (mg/L)	-	-	-	-	-	-	-	-	NA	-	-
Boron (mg/L)	-	1.8	0.7	0.1	0.9	0.5	0.4	0.1	0.2	0.5	1
Potassium (mg/L)	-	4.7	6.0	5.0	12.0	15.0	12.0	22.5	7.0	-	-
Fluoride (mg/L)	-	1.5	0.9	1.1	1.1	1.0	1.3	0.7	0.9	1	1.5
sodium %	-	40.0	5.9	43.6	55.0	44.2	46.7	41.5	43.4	-	-
SAR	-	4.0	0.2	2.2	3.0	2.9	3.6	3.1	2.8	-	-
Arsenic	-	-	-	-	BDL	-	-	-	-	-	-
Lead	-	-	-	-	BDL	BDL	0.05	0.062	0.012	-	-
Cadmium	-	-	-	-	BDL	BDL	BDL	BDL	<0.003	-	-
Copper	-	-	-	-	BDL	0.07	BDL	BDL	<0.05	0.05	1.5
Zinc	-	-	-	-	BDL	0.07	0.058	0.598	0.042	5	15
Total Chromium	-	-	-	-	BDL	0.05	BDL	BDL	<0.05	-	-
Nickel	-	-	-	-	BDL	0.33	BDL	BDL	<0.02	-	-
Iron	-	-	-	-	BDL	-	-	0.008	0.319	0.3	No relaxation

Parameters	2018	2019	BIS 10500 : 2012 Standards	
			Acceptable Limit	Permissible Limit
DO (mg/L)	-	1.05	-	-
pH	7.38	7.52	6.5-8.5	No relaxation
Conductivity ( $\mu$ S/cm)	7250	5469.5	-	-
BOD (mg/L)	72	NA	-	-
Nitrate	5	4.8	45	No relaxation
Nitrite-N (mg/L)	-	NA	-	-
Fecal Coliform (MPN/100ml)	-	NA	-	-
Total Coliform (MPN/100ml)	15	24	-	-
Faecal streptococci	-	-	-	-
Saprobity index	-	NA	-	-
Diversity index	-	NA	-	-
P/R Ratio	-	NA	-	-
Turbidity (NTU)	12.24	14	1	5
Phen-Alk. (mg/L)	-	<1	-	-
Total Alk. (mg/L)	745	720	200	600
Chloride (mg/L)	1684	1732	250	1000
COD (mg/L)	310	312	-	-
TKN (mg/L)	11	10.2	-	-
Ammonia (mg/L)	-	NA	0.5	No relaxation
Free Ammonia (mg/L)	-	-	-	-
Hardness (mg/L)	2045	1262.5	200	600
Calcium (mg/L)	378	367.5	75	200
Magnesium (mg/L)	267.3	156.0	30	100
Sulphate (mg/L)	496	307	200	400
Sodium (mg/L)	752	569	-	-
TDS (mg/L)	4542	3300	500	2000
TFS (mg/L)	-	NA	-	-
TSS (mg/L)	24	15	-	-
Total Phosphate (mg/L)	24	0.02	-	-
Ortho Phosphate (mg/L)	-	NA	-	-
Boron (mg/L)	0.32	0.28	0.5	1
Potassium (mg/L)	34	14	-	-
Fluoride (mg/L)	2.46	1.65	1	1.5
sodium %	43.7	43.7	-	-
SAR	7.2	5.2	-	-
Arsenic	-	-	-	-
Lead	-	0.012	-	-
Cadmium	-	<0.003	-	-
Copper	-	<0.05	0.05	1.5
Zinc	-	0.083	5	15
Total Chromium	-	<0.05	-	-
Nickel	-	<0.02	-	-
Iron	-	0.442	0.3	No relaxation

To  
The Chief Accounts Officer,  
T.S. Pollution Control Board,  
Board Office, Hyderabad

Sir,

Sub:	TSPCB-RO-WGL - Inspection Report on the Accounts of Office of The Telangana State Pollution Control Board for the period from 2017-18 to 2019-20 - Submission of Compliance report - Regarding.
Ref:	Email received from the Board office dated 09.11.2021.

-o0o-

It is to submit that this office has received Compliance Audit Report for the period from 2017-18 to 2019-20 received from Sr.Audit Officer/ ES-I vide email from the Board office on 09.11.2021 requesting to submit the compliance on the remarks made in the audit so as to submit the same to the Sr.Audit Officer/ ES-I. Accordingly the following is the compliance on the remarks made in the audit.

S. No	Audit Remarks	Compliance
I.	Irregular engagement of outsourcing personnel by incurring expenditure-Rs.7.17 crore	NA
II.	Avoidable expenditure of Rs. 2.92 crore towards the payment of service-tax and GST to the outsourcing agencies	NA
III.	Non-utilization of environment relief fund Rs.150 crore	NA
IV.	Non-reimbursement of water cess share from MoEF&CC, Government of India - Rs.19.81 crore	NA
V.	Non-collection of arrears on water cess from GHMC and ULBs - Rs.10.08 crore	This office has been pursuing with the ULBs for payment of Water cess.
VI.	National Water quality Monitoring Program (NWMP) - non - reimbursement of sampling & analysis charges and manpower charges by CPCB - Rs.2.83 crore and exceedance of certain parameters of borewell water at IDA Rampur, Hanumakonda district	The Borewell in IDA Rampur is located within the premises of Greater Warangal Municipal Corporation(GWMC) dump yard with huge legacy waste and the borewell is in the control of GWMC. The borewell water is exclusively used only for fire quenching but not for drinking purpose. The exceedance of parameters is due to dump yard and bio-mining of the legacy waste is going to start in a month.
VII.	National Clean Air Program (NCAP) - huge variation in procurement of CAAQMS and mobile van - Rs. 2.76 crore and inordinate delay in installation of continuous ambient air quality monitoring system (CAAQMS) and other audit observations.	NA
VIII.	Non-settlement of pension dues from APPCB-Rs. 1.75 crore	NA

IX.	Disputed income tax - tax exemption under section 10(23c) (iv) of IT act - blockage of funds - Rs. 9.68 crore.	NA
X.	Wasteful expenditure incurred towards hiring of vehicles used by the various officers of secretariat, Government of Telangana, Hyderabad - Rs. 73.71 lakhs	NA
XI.	Review of government/board vehicles - non condemnation of old vehicle	NA
XII.	Avoidable expenditure on Interest/late payment of municipal taxes - Rs.8.49 lakh	NA
XIII.	Non - reconciling of Non - Operative Current (Collections) Account figures of the Regional Office, Hyderabad and Sangareddy - II (R.C.Puram) with the figures of Board office.	NA
XIV.	Non - renewal of registration of plastic units/industries under plastic waste management.	Notices were issued to the units running without obtaining Plastic Registration
XV.	Operation of sewerage treatment plants (STPs) without valid consent for operation (CFO)	No STP is existing in this area
XVI.	Relocation of Industries from 10 km radius of Osmansagar and Himayatsagar lakes - certain observations	NA
XVII.	Water quality monitoring - no remedial measures taken to control pollution	<p>This office has communicated a letter to the Commissioner, GWMC on 07.12.2021 regarding the water quality of the water bodies under NWMP and requested the Commissioner to submit the action plan regarding the remedial measures to rejuvenate the water bodies. The letter is enclosed as ANNEXURE-I.</p> <p>It is to submit that in the report, the BOD of the outlet of M/s. KTPP Ash Pond is 3.2 mg/l which is compared with the standard of &lt; 3 mg/l. However the outlet is joining Moranchavagu, the standard for the outlet as per CFO order with respect to BOD is &lt;30 mg/l.</p>
XVIII.	Air pollution - review of ambient air quality through NAMP, SAAQM and CAAQM stations- no measures taken for reducing the air pollution.	As per the report, no remarks were made on the Air Quality at NAMP and SAAQM stations under RO, Warangal.
XIX.	Bio medical waste management - operating health care establishment (HCE) without valid authorization	The RO, Warangal has issued notices to HCEs on 30.11.2021.
XX.	Financial assistance of Rs.54.21 crore towards construction of sewerage treatment plants (stps) in health care establishments (HCEs) - audit observations	NA
XXI.	Delay in procurement of Mobile Testing Laboratory (MTL) and Mobile Awareness Vehicle (MAV)	NA
XXII.	Shortfall in inspections of industries in respect of Regional offices	Inspections will be carried out as per the direction issued by CPCB regarding the frequency of inspection of industries.
XXIII.	Non - convene of board meetings	NA
XXIV.	Continuation of board without re-constitution	NA

- 45 -

- 361 -

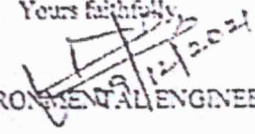
XXVIII	CHAC in respect of Zonal Office, Hyderabad Observations on regional office Rangareddy II (Melschal)	NA
XXIX	Observations on Regional office, Hyderabad	NA
XXX	Observations on Regional office, Sangareddy II (R.C.Puram)	NA

NA - Not Applicable to RO, Warangal.

+

This is submitted for favour of kind information and taking necessary action.

Yours faithfully,

  
ENVIRONMENTAL ENGINEER

**GREATER WARANGAL MUNICIPAL CORPORATION**

From  
Dr Ashwini Tanaji Wakade, IAS  
Commissioner,  
GWMC, Warangal,

To  
The Collector and District Magistrate,  
Warangal,

Roc.No. EE-IV/GWMC/HNK/2024

Dt: 11.02.2025

Madam,



**Sub:** Hon'ble NGT, Chennai- Warangal District- Original application No.67 of 2024 (Earlier, OA No.762 of 2023 (PB) registered by Hon'ble NGT, Chennai-Hon'ble Tribunal constituted a Joint Committee - The Joint Committee has recommendation on complaint filed by Mr. Kotham Sangeeth, R/o 22-8- 156/1, 2nd Doctors Colony, Deshaipet, Warangal- The Hon'ble NGT, Chennai, issued orders dated: 17.12.2024 - Submission of compliance report - Regarding.

- Ref:-**
- 1). The District Collector, Warangal Lr. Rc. No, C1/875/2024, Dt:- 04.01.2025.
  - 2). T.O. Ir. Roc.no: EE-IV/GWMC/HNK/2024, dated: 18.01.2025.

*OSC*  
*pls pl immediately*  
*8*  
*16/2*

\*\*\*

It is to submit that, in the reference cited the District Collector, Warangal while enclosing the Orders of the Hon'ble Green Tribunal Southern Zone, Chennai dated: 17.12.2024, requested to submit the latest status report on the action taken on Kota cheruvu for submission of compliance report to the Hon'ble National Green Tribunal. Hence the following action taken report with reference to the Joint committee recommendations on Hon'ble NGT orders on Kota Cheruvu is herewith submitted for kind perusal and to take further necessary action.

*C1*  
*W*  
*12/12*

- 1) The Greater Warangal Municipal Corporation (GWMC) shall take measures to avoid un-treated sewage entering into the lake and also construct Interception & Diversion structure (I&D) for diversion of un-treated sewage and construct Sewage Treatment Plant (STP) for treatment & disposal of un-treated sewage into the lake.

*OSC*

**Reply:** To comply the directions of Hon'ble NGT to reduce the pollution and rejuvenate the lake of Kota Cheruvu and other lakes in GWMC limits, the GWMC has taken up the works of "1). Selection of Consultants for Preparation of Comprehensive Improvement Plans for Under Ground Drainage, Storm Water Drainage and Water Supply Systems, Rejuvenation of water bodies, Aquifer Management Plan, and Design of Blue - Green

*02/1*

Infrastructure for GWMC and 2). Detailed project Reports for identified/ prioritized projects of UGD, Storm water Drainage and Water supply systems, Rejuvenation of Water bodies, Aquifer Management plan and Design of Blue - Green Infrastructure including Underground Ducts for services like power, telecom, cable, internet etc, duly considering Comprehensive plans and available information in GWMC and other concerned departments".

The work "Selection of Consultants for Preparation of Comprehensive Improvement Plans for Under Ground Drainage, Storm Water Drainage and Water Supply Systems, Rejuvenation of water bodies, Aquifer Management Plan, and Design of Blue - Green Infrastructure for GWMC" was allotted to M/s Shubh Consultants & Technocrats LLP agency and the other work "Detailed project Reports for identified/ prioritized projects of UGD, Storm water Drainage and Water supply systems, Rejuvenation of Water bodies, Aquifer Management plan and Design of Blue - Green Infrastructure including Underground Ducts for services like power, telecom, cable, internet etc, duly considering Comprehensive plans and available information in GWMC and other concerned departments" was allotted to the M/s NK Buildkon Pvt Ltd agency.

The agency for Preparation of Comprehensive Plans for UGD and other Infrastructure works i.e, M/s Shubh Consultants & Technocrats LLP has taken up on priority Survey work, Zoning and proposals on required capacities of Sewer pipelines, STPs and infrastructure for Comprehensive Under Ground Drainage system in entire GWMC area including the catchment area of Kota cheruvu and submitted preliminary Estimate with a project cost of Rs. 4170.00 Crores.

Accordingly, the Government of Telangana have accorded in Principle Administrative sanction for an amount of Rs: 4170.00 Crores vide G.O. Rt. No. 573, of MA & UD department, dated: 17.11.2024 for Comprehensive Plan for UGD Scheme in Greater Warangal Municipal Corporation (Copy of the G.O is enclosed), which includes the catchment area of Kota Cheruvu also.

Now, the other consultant for Detailed project Reports for identified/ prioritized projects of UGD and other Infrastructure works i.e., M/s NK Buildkon Pvt Ltd has taken up preparation of the Detailed Project Report for this UGD Scheme. The survey works are

completed, the land alignment /acquisition proposals for the proposed constructions of STPs in various zones are under finalization.

Further, the DPR is under preparation wherein it is being proposed to Construct I&D structure for diversion of untreated sewage water to suitable capacity STP for treatment and disposal to avoid untreated sewage entering into the Kota Cheruvu.

- 2). The GWMC shall take measures to prevent solid waste dump along the periphery of the lake.

Reply: Greater Warangal Municipal Corporation has taken preventive measures for dumping of solid waste along the periphery of the lake by establishing (2) nos of bins along the periphery of the lake to collect solid waste dump, and also engaged 2 nos of sanitation jawans with necessary sanitary vehicles such as Swachh autos and Tractors for this locality for collection and transporting the solid waste to the dump yard site located at Rampur on regular basis.

- 3).The GWMC shall remove the solid waste from the drain (inlet of the lake) regularly to avoid entering into the lake. The removed solid waste shall be transported to Municipal dump yards/processing facility.

Reply: GWMC has provided Screens across the inlet drain of Kota Cheruvu to prevent solid waste entering into the lake and also taken up special drive for removing the solid waste from the inlet drains of the Kota Cheruvu on a periodical manner by engaging machinery like Excavators, JCBs for removing silt and solid waste materials from inlet drains entering to this Lake and also transporting the solid waste materials through Tippers and tractors to the dump yard located at Rampur.

The GWMC has taken up special drives for removing solid waste and cleaning the lakes and inlet drains of Kota Cheruvu was taken up from 10.05.2024 to 25.05.2024 and again from 10.12.2024 to 14.12.2024 and also recently on 08.02.2025 and 09.02.2025. The copies of photographs are herewith enclosed for kind perusal.

- 4). The Irrigation department shall construct a fence all along the drains leading to lake to prevent the solid waste dumping.

Reply: Not applicable to GWMC

5).The GWMC shall stop immersion of Lord Ganesh idols during Ganesh Nimmajanam festival into the tank and shall make provisions for providing temporary baby ponds for immersion of lord Ganesh idols.

Reply: As per the directions of Mrs. H. Yasmeen Ali, Standing Counsel for Telangana, Hon' ble NGT, Southern Zone, Chennai, vide their letter dated: 13.09.2024, this GWMC has diverted about 400 idols coming to Kota cheruvu for immersion to alternate temporary ponds during Ganesh nimajjan festival on 15<sup>th</sup> & 16<sup>th</sup> September 2024 in coordination with the District Collector, Warangal and the Commissioner of Police, Warangal & Ganesh Utsava Committee to avoid pollution and maintain water quality in Kota cheruvu.

6). The GWMC/irrigation department shall take up strengthening of bund and providing greenbelt along the bund of the lake

Reply: With regard to strengthening of the bund, the Irrigation Department is competent Authority to take up the appropriate measures in strengthening of the bund. Regarding providing green belt along the bund of the Lake, Reply is given in Para 7 below.

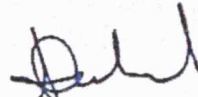
7). The GWMC shall take up beautification, plantation in and around the lake.

Reply: The Greater Warangal Municipal Corporation has taken up Multilayer plantation works with Peepal trees, Mahagani and Fishtail palm trees of 8feet tall plants and also herb and shrub plantation with Bougainvillea, Caesalpinina, Pulcherma etc., and completed plantation of 1050nos along the South side bund of Kota Cheruvu and photographs of the works in progress are enclosed for kind perusal.

Encl: 1) G.O. Rt.no: 573

2) Photographs and other details.

Yours faithfully,



Commissioner  
Greater Warangal Municipal Corporation.

11/2

GOVERNMENT OF TELANGANA  
ABSTRACT

NARUD Dept. - PHAME - GWMC - Taking up Comprehensive plan for UGD scheme in GWMC, Warangal - Administrative Sanction "In principle approval" for an amount of Rs. 4170 Crores - Accorded - Orders - Issued.

MUNICIPAL ADMINISTRATION & URBAN DEVELOPMENT (ENGG.2) DEPARTMENT

G.O.No.573

Dated: 17.11.2024

Read the following:

1. From the Engineer-in-Chief, Public Health, Lr. No.1/T1/ GWMC/ UGD /2024-25, dated:17.11.2024 along with Lr.No.Engg/UGD/ 33/09/2024, dt.17.11.2024 of Commissioner, GWMC, Warangal.
2. From Spl. Secretary to C.M., Note Rc.No.211/Spl.SCM/2024,dt: 17.11.2024

\*\*\*

**ORDER:**

In the reference 1<sup>st</sup> read above, the Engineer-in-Chief, Public Health, Hyderabad has stated that the Commissioner, Greater Warangal Municipal Corporation, Warangal in his letter dt.17.11.2024 has submitted the proposals for taking up Comprehensive Underground Drainage (UGD) scheme in GWMC for an amount of Rs.4170.00 Crores as per the preliminary estimate submitted by the consultant M/s. Shubh Consultants & Technocrats LLP for according 'In Principle' approval.

2. The Commissioner, GWMC has also informed that Hon'ble Chief Minister, Telangana, during the review meeting held on 29.06.2024 at IDOC, Hanamkonda, has instructed to get the DPR prepared for various infrastructure works in GWMC and accordingly the Request for Proposals (RFP) was invited for preparation of comprehensive proposals in two parts for taking up various infrastructure projects in GWMC as detailed below.

1) Part 1: Comprehensive Master Plans for the following Infrastructure works:

- (a) Under Ground Drainage
- (b) Storm Water Drainage
- (c) Water Supply Systems
- (d) Rejuvenation of water bodies
- (e) Aquifer Management Plan
- (f) Design of Blue-Green Infrastructure
- (g) Underground Ducts for services like power, telecom, cable, Internet etc.

2) Part 2: Detailed Project Reports for Identified/ prioritized projects in the above said Infrastructure works.

3. The Commissioner, GWMC, Warangal has further stated that the consultant M/s. Shubh Consultants & Technocrats LLP have submitted initially the preliminary estimates for taking up Comprehensive Underground Drainage scheme in GWMC in 3 phases for Rs.4170.00 Crores with SoR 2024-25. The phase-wise details are as follows:-

Phase-1: Rs. 3087.00 Cr

Phase-2: Rs. 597.00 Cr.

Phase-3: Rs. 486.00 Cr.

**Total: Rs. 4170.00 Cr.**

(P.T.O)

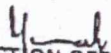
4. Further, the Commissioner, GWMC, Warangal has stated that the preliminary estimate now submitted is part of the comprehensive plan for UGD under part-1 of RFP and Detailed Project Report (DPR) including detailed designs and estimates will be prepared under part 2 of the RFP. The consultant for part 2 for preparing the Detailed Project Report (DPR) including detailed designs and estimates is being finalized and the preparation of the DPR will take at least three months.
5. Hence, the Engineer-in-Chief, Public Health, Hyderabad has requested the Government to accord "In principle approval" for an amount of Rs.4170.00 crores for taking up Comprehensive UGD scheme in GWMC in 3 phases.
6. After careful examination of the proposal, Government hereby accord Administrative Sanction "In principle approval" for an amount of Rs.4170 Crores (Rupees four thousand one hundred seventy crores only) for taking up Comprehensive plan for UGD scheme in GWMC, Warangal.
7. The Engineer-in-Chief, Public Health, Hyderabad/Director of Municipal Administration, Hyderabad/Commissioner, GWMC, Warangal shall take necessary further action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

M. DANA KISHORE  
PRINCIPAL SECRETARY TO GOVERNMENT

To  
The Engineer-in-Chief, Public Health, Hyderabad.  
The Commissioner & Director of Municipal Administration, Hyderabad.  
The Commissioner GWMC, Warangal.  
Copy to:  
OSD to Special Secretary to Hon'ble C.M.,  
OSD to Principal Secretary to Government, MA&UD Department.  
The Finance (DCM) Department.  
SF/SC.

//FORWARDED :: BY ORDER//

  
SECTION OFFICER

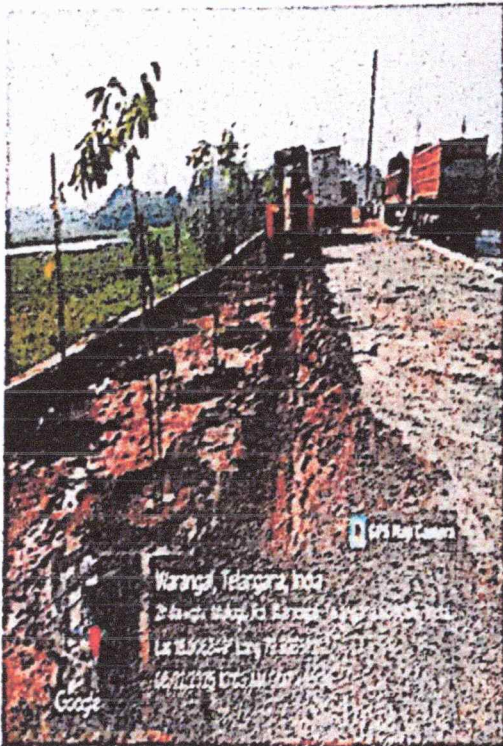
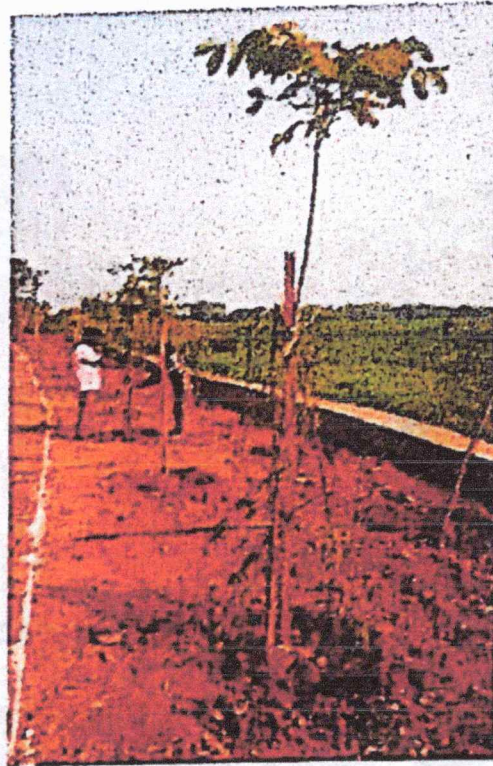


Photos showing bins provided at Koti cheruvu to collect solid waste.

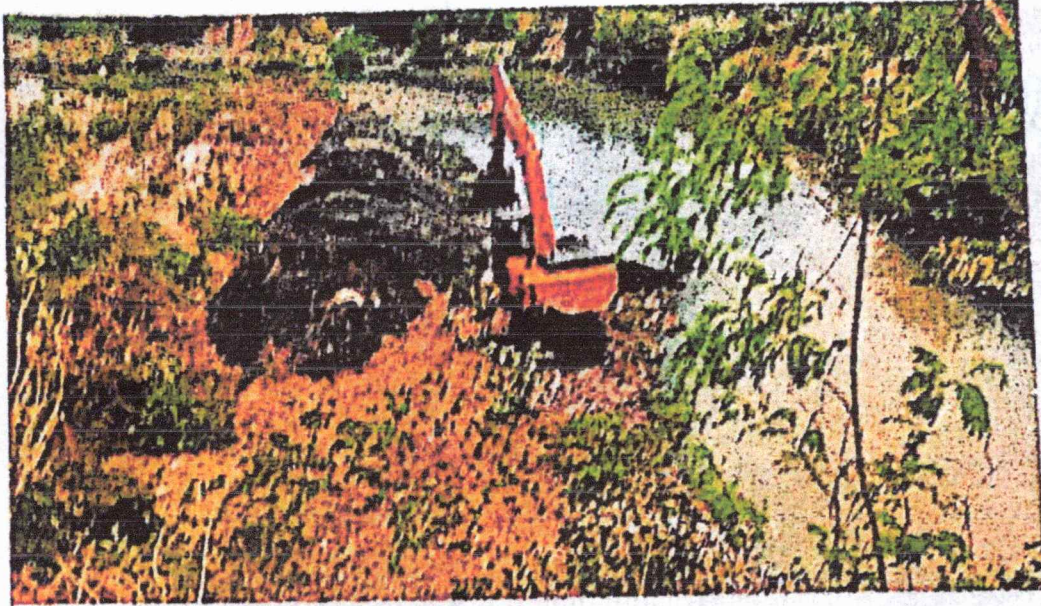





Warangal  
Telangana  
India  
35°C  
95°F  
2025-02-09 (Sun) 05:21 (PM)

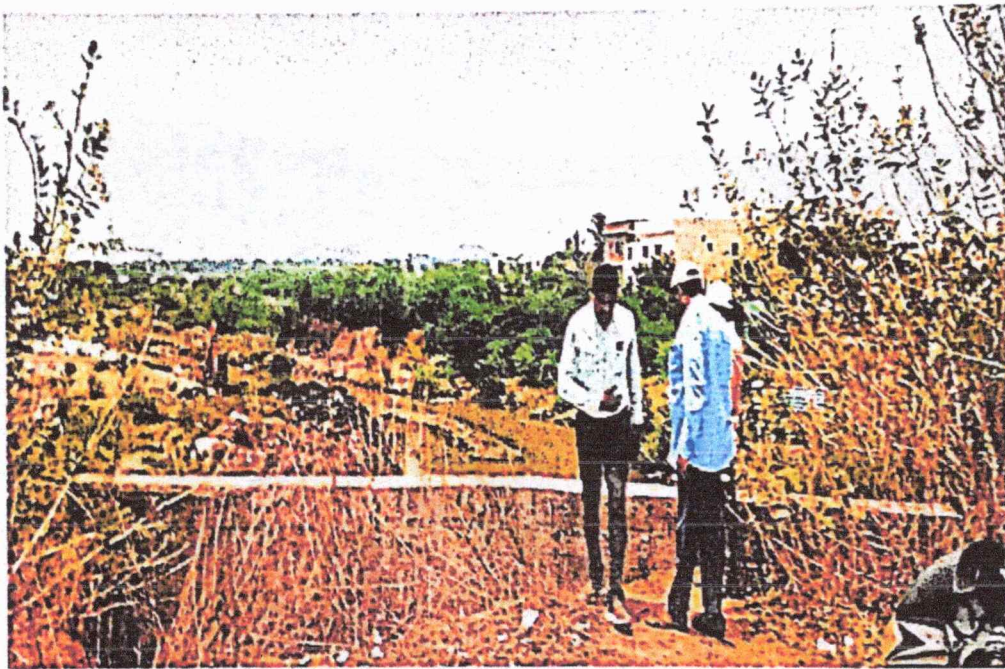
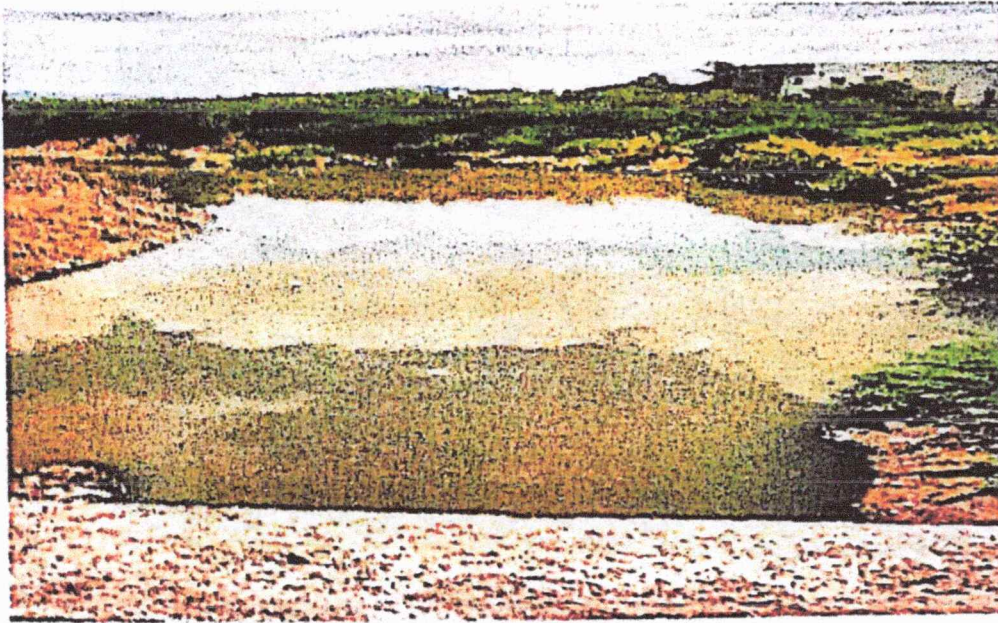



Warangal  
Telangana  
India  
35°C  
95°F  
2025-02-09 (Sun) 05:21 (PM)

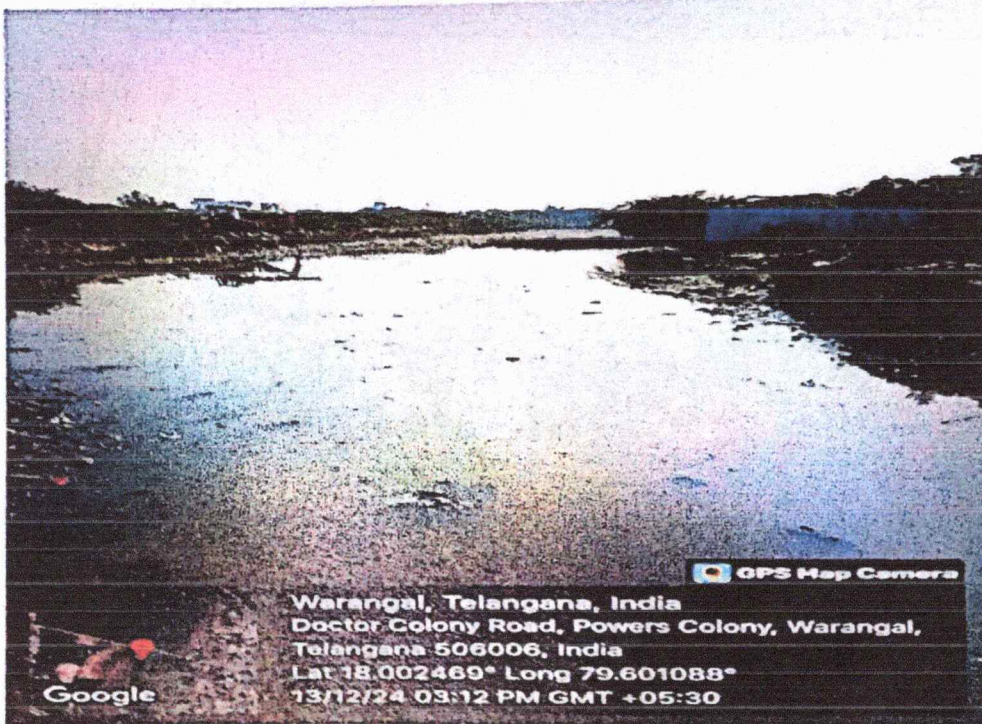


**Photos showing desilting and removal of solid waste from inlet drains of Koti cheruvu.**





**Photos showing desilting and removal of solid waste from inlet drains of Koti cheruvu.**



Photos showing desilting and removal of solid waste from inlet drains of Kota cheruvu.

GOVERNMENT OF TELANGANA  
IRRIGATION & CAD DEPARTMENT

From  
Sri M.Shankar, M.Tech.,  
Executive Engineer, I&CADD (FAC).  
Irrigation Division No.02,  
Nakkalagutta, Hanumakonda.

To  
The District Collector  
Warangal District.

Letter No. EE/ID.No.02/HNK/DB/DEE(T)/T-6/950/M Date: 19-02-2025

Madam,

Sub:- Hon'ble NGT, Chennai-Warangal District-Original application No.67 of 2024(Earlier, OA No. 762 of 2023 (PB) was registered by Hon'ble NGT, Chennai-Action taken report called for as per orders issued by the Hon'ble green Tribunal Southern Zone, Chennai-Submission of latest Action taken report- Regarding.

- Ref:- 1 District Collector, Warangal, Rc.No. CI/875/2024, Date: 04.01.2025 Addressed to This office communicated to this office vide SE/IC/wgl/Ts/DEE-II/TI/118/S, Date: 24.01.2025
- 2 Lr.No.DEE/ISD No.4 /Hnk/325, Date: 18.02.2025

\*\*\*

With reference to the subject cited, It is to submit that the concerned Deputy Executive Engineer vide reference 2<sup>nd</sup> cited has reported as follows

The Standards and Hydrological details of the tank are as follows:

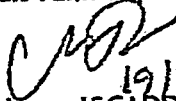
Name of the river Basin	:	Godavari
Length of Bund	:	1000 M
Geo Id	:	795995180076
FTL	:	+100.000 M
TBL	:	+101.800 M
Top Width	:	3.00 M
Side Slopes of Bund	:	1½ : 1 / 2:1
Length of Weir(W)	:	75.00 m in Stone masonry
Sluices	:	2 nos
Actual Ayacut	:	250 acres
Existing Ayacut	:	90 Acres
Capacity	:	17.86 MCFT
Water spread Area	:	198 acres

- The Kota cheruvu tank is a Rain fed and a chain link tank which receives the water from the surplus course of Chinna Waddepally tank, situated in the upstream area (Deshaipet village).
- The Kota cheruvu tank is designed for serving an ayacut of 250 acres but now the ayacut under this tank is 90 acres due to urbanisation. Cultivation is being done in coordination with the Agricultural University.

- FTL survey through LIDAR has completed and encroachments are identified in FTL limits of the Kota cheruvu tank in which some of them were already removed. Further, all the encroachments in the FTL limits of the Kota cheruvu tank will be removed in coordination with Revenue and Town Planning authorities.
- The jungle clearance on the bund of Kota cheruvu tank to an extent of 25.597 Square meters was done under Mission Kakatiya Phase-I during the year 2015-16 with an expenditure of Rs. 58,875/- by the Irrigation Department.
- The strengthening of the bund of Kota cheruvu tank upto the total length was executed by using soils of Quantity of 7882 cubic meters from approved borrow areas under Mission Kakatiya Phase-I during the year 2015-16 with an expenditure of Rs. 13,18,692/- by the Irrigation Department.

This is submitted for favour of information and necessary action.

Yours Faithfully

  
19/2/25  
Executive Engineer, I&CADD (FAC),  
Irrigation Division No.02,  
Nakkalagutta, Hanumakonda.