

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

ORIGINAL APPLICATION No. 202 OF 2021 (SZ)

IN THE MATTER OF:

Kuntla Dharmarjun Reddy,
R/o. Suryapet District,
Telangana

....

Applicant

Versus

District Collector,
Suryapet, Telangana & Ors.

....

Respondent(s)

REPORT OF TELANGANA STATE POLLUTION CONTROL BOARD (R4)

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Place: Hyderabad

Date: 01-04-2022.

REPORT OF THE ENVIRONMENTAL ENGINEER, TSPCB, REGIONAL OFFICE, NALGONDA (RESPONDENT NO.4) IN O.A.No. 202 OF 2021 FILED BY SRI. KUNTALA DHARMARJUN REDDY R/o SURYAPET DISTRICT IN THE HON'BLE NATIONAL GREEN TRIBUNAL, SOUTHERN ZONE, CHENNAI REGARDING THE DAMAGE CAUSED TO KARNALA KUNTA LAKE, SURYAPET DISTRICT.

It is to submit that, Sri. Kuntla Dharmarjun Reddy R/o Suryapet District filed O.A.No. 202 of 2021 in the Hon'ble National Green Tribunal (NGT), Southern Zone, Chennai regarding the damage caused to Karnala Kunta Lake, Suryapet District.

The main prayer of the applicant is as follows:

- i. Declare the land development, filling in the Buffer Zone and FTL of Karnala Kunta Lake at Kuda Kuda Village of Suryapet District in Telangana State by Respondent Nos. 5 & 6 as illegal and against the provisions of Environment (Protection) Act, 1986; Water (Prevention and Control of Pollution) Act, 1974; EIA Notification, 2006 and The Telangana Irrigation Act, 1357 F and restrain the Respondent Nos. 5 & 6 from take up area development and construction works in the FTL, Buffer Zone of Karnala Kunta Lake.
- ii. Direct the Respondents 1 to 4 to conduct detailed assessment study with the help of CSIR-NEERI on the adverse effects on Karnala Kunta Lake at Kuda Kuda Village in Suryapet District due to filling, damage caused by the Respondent Nos. 5 & 6 and restore the same to its natural state.
- iii. Direct the Official Respondents to take appropriate statutory legal action against Respondent Nos. 5 & 6 for causing damage to Karnala Kunta Lake according to the Section 24 of Water Act and Section 50 of the Telangana Irrigation Act, and not to register the plots in the land of Karnala Kunta Lake.
- iv. Pass any other orders as the Hon'ble Tribunal may deem fit and proper in facts and circumstances of the case

The Hon'ble NGT, Chennai has heard the matter and passed Orders dated 15.09.2021 constituting a Joint Committee comprising of:

1. District Collector, Suryapet District, Telangana State.
2. Senior Officer from Ministry of Environment, Forests and Climate Change (MoEF & CC), Integrated Regional office, Hyderabad.
3. Senior Officer from Telangana State Level Environment Impact Assessment Authority (SEIAA)
4. The Superintending Engineer, Minor Irrigation Department, Telangana State.

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5. A Senior Officer from Telangana State Pollution Control Board (TSPCB).

The Hon'ble NGT heard the matter on 26.10.2021 on the report of the Joint Committee and directed the Joint Committee to revisit the issues and submit detailed report. The case is posted for hearing on 04.04.2022.

In the petition, the Member Secretary, TSPCB is Respondent No.4.

The Board Officials inspected Karnala Kunta and its surroundings on 25.03.2022 and also collected water samples from the water body during inspection. The status report is submitted as follows:

1. Karnala Kunta is also called as Regula Kunta is a very small tank under Panchayatraj Department and having the following Hydraulic Particulars:

Full Tank Level	+100.00 meters.
Tank Bund Level	+101.50 meters
Weir Length	14.00 Meters (constructed bye-wash in the low pocket on Right flank)
Tank bed area (Full tank level)	Ac.08-28 Gts. (Ac.07-16 Gts. Government Shikam land, Ac.01-12 Gts. Private Patta land in FTL).
Buffer Area (9 meters from FTL)	Ac.00-34 Gts.
Ayacut	Ac.14-08 Gts.
No. of Off Take Sluice	1No. (on left Flank)

2. The boundaries of the tank are as mentioned below:

North	Sri Sai Developers, Mandadi Avenues, Kuda Kuda (V), Chivemla (M), Suryapet District.
East	Residential Plots of Sri Ghanapuram Raghu.
South	Ayacut area.
West	60 feet road to new Collectorate building, Suryapet.

It is submitted that the M/s Sri Sai Developers, Mandadi Avenues (R5) has proposed Layout for an extent of Ac 30.29 Gts. (12.10 Hectares) and Sri. Gangapuram Raghu (R6) proposed Layout for an extent of Ac 04-00 Gts. (1.57 Hectares). Both the projects are come under "Townships and area development projects 8(b)". As per EIA Notification-2006, the project authority shall require environmental clearance only if the development area is more than 50 Ha. or built up area more than

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1,50,000 sq.m. Therefore, the above two projects are not comes under the purview of 8(b) of EIA notification 2006 and Water and Air Acts.

3. Hence, there is no violation of EIA Notification, 2006 and also no violation under the Water (Prevention & control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.
4. It was observed that, the boundary wall of Sri Sai Developers proposed layout was constructed towards North side of the water body. No houses are constructed except plots layout.
5. During the inspection, no inflows or discharges into the Lake observed as well as there is no outflow from the water body.
6. No dumping of waste observed in the water body.
7. The Board Officials collected water samples of the Karnala Kunta Lake on 25.03.2022. The analysis results of the samples are submitted as below:

Sample code : Sample details / collection point

22/03/326 - Water sample collected from Karnala Kunta (Cheruvu), Sy.No. 328, Kudakuda (V), Chivvemla (M), Suryapet District.

Parameters	Method No.	Unit	Results
			22/03/326
pH	4500-B	-	7.5
Electrical conductivity	2510-B	$\mu\text{S/cm}$	323
Chemical Oxygen Demand	5220-D	mg/L	24
BOD 3 at 27°C	IS 3025, 1993	mg/L	3.8
Total Suspended Solids	2540-D	mg/L	25
Total Dissolved Solids	2540-D	mg/L	201
Nitrates	4500-NO3 B	mg/L	4
Boron	4500-B	mg/L	BDL
CPCB water quality criteria class			D

Note: Results related to sample as received

BDL: Below Detectable Limit.

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Parameters	Method No.	Unit	Results
			22/03/2022
Dissolved oxygen	4500- O C	mg/L	4.8
Free Ammonia	-	mg/L	0.2
SAR	-	-	1.5
Total coliform	9221 – B, C	MPN/100ml	>1600
Fecal coliform	9221 – B, C	MPN/100ml	280
Heavy Metals			
Copper	3111 B	mg/L	<0.1
Nickel	3111 B	mg/L	<0.1
Zinc	3111 B	mg/L	<0.1
Cadmium	3111 B	mg/L	<0.1
Lead	3111 B	mg/L	<0.2
Total Chromium	3111 D	mg/L	<0.2
CPCB water quality criteria class			D

Note: Results related to sample as received.
BDL: Below Detectable Limit

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

CPCB Water Quality Criteria:

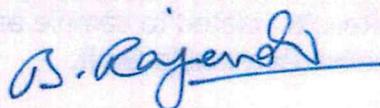
- A-Drinking Water Source without conventional treatment but after disinfection
- B-Outdoor bathing (Organised)
- C-Drinking water source after conventional treatment and disinfection
- D-Propagation of Wild life and Fisheries
- E-Irrigation, Industrial Cooling, Controlled Waste disposal
- Below E –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

As seen from the analysis report of the water sample, the Lake water is falling under CPCB water quality criteria of **D-Propagation of Wild life and Fisheries**. Copy of the analysis report is enclosed as **Annexure – I**.

Submitted.

Place: Nalgonda,

Date: 31.03.2022.


ENVIRONMENTAL ENGINEER
ENVIRONMENTAL ENGINEER
T.S. Pollution Control Board,
Regional Office, Nalgonda.



CENTRAL LABORATORY

TC-7123

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/2022/22/03/326
Collected on: 25/03/2022
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 31/03/2022

Collected by: EE & AES-I, RO, Nalgonda
Received on: 26/03/2022
Quantity of the sample: 1 Ltr. sample each
Page No: 1 of 2

Sample code : Sample details / collection point

22/03/326 - Water sample collected from Karnala Kunta (Cheruvu), Sy.No. 328, Kudakuda (V), Chivvemla (M), Suryapet District

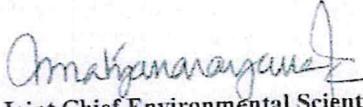
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	A	B	C	D	E
pH	6.5 - 8.5	6.5 - 8.5	6.0 - 9.0	6.5 - 8.5	6.0 - 8.5
Electrical conductivity	-	-	-	-	Max 2250
Dissolved oxygen	6 or >6	5 or >5	4 or >4	4 or >4	-
BOD 3 at 27°C	2 or <2	3 or <3	3 or <3	-	-
Free Ammonia	-	-	-	1.2 or <1.2	-
SAR	-	-	-	-	Max 26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

CPCB Water Quality Criteria:

- A-Drinking Water Source without conventional treatment but after disinfection
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- Below E : Not meeting A, B, C, D, E criteria


 Joint Chief Environmental Scientist

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TELANGANA STATE POLLUTION CONTROL BOARD
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 Ph: 040-23887500

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/2022/22/03/326
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 Test method: Standard Methods of APHA, 23rd Edition
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Collected by: EE & AES-I, RO, Nalgonda
 Received on: 26/03/2022
 Quantity of the sample: 1 Ltr. sample each
 Page No: 2 of 2

Sample code : Sample details / collection point

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BOD ₃ at 27°C	2 or <2	3 or <3	3 or <3	-	-
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Aravind Kumar
 Joint Chief Environmental Scientist