

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

ORIGINAL APPLICATION No. 16 OF 2022 (SZ)

[Earlier, OA No. 614 of 2018 (PB)]

IN THE MATTER OF:

Dr. Lubna Sarwath
Hyderabad.

....

Applicant

Versus

Chief Secretary,
Govt of Telangana,
Hyderabad & Others

....

Respondent(s)

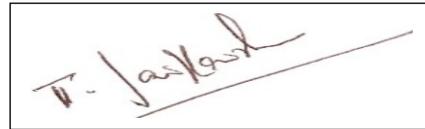
REPORT OF TELANGANA STATE POLLUTION CONTROL BOARD (R4)

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Place: Hyderabad

Date: 03-04-2024.



Counsel for Respondent No. 4

REPORT DATED 03-04-2024 OF THE TELANGANA STATE POLLUTION CONTROL BOARD IN OA No. 16 of 2022 (SZ).

It is to submit that the Board has earlier filed report dated 16.08.2023 before the Hon'ble Tribunal.

In this regard, the further report is submitted as follows: -

- The Bum-Rukn-ud-Dowla Lake is located at 17°19'54.6"N 78°26'31.6"E, Shivarampally, Rajendranagar(M), Rangareddy District.
- There is no sewage joining into the lake and a sewage diversion pipeline is laid to divert sewage to Miralam tank STP. Presently, no sewerage is entering the lake.
- It was observed that the earlier Construction and Demolition (C&D) Waste and Municipal Solid Waste (MSW) near the Lake was removed. However small quantities of scattered C&D waste was observed near the Lake. In this regard, the Board has addressed a letter to the Deputy Commissioner, Rajendranagar Circle, Greater Hyderabad Municipal Corporation (GHMC) for taking necessary action. **(ANNEXURE-I).**
- It is further submit that the GHMC has given work order to M/s.Magnatree Ventures Pvt Ltd, Mumbai for cleaning of water body by Bio-remediation and Organic Treatment Process **(ANNEXURE-II).**
- The Magnatree Ventures has submitted that they have carried out preliminary survey of Lake and collected samples from Lake for baseline data, which includes parameters like Chemical Oxygen Demand (COD); Bio-Chemical Oxygen Demand (BOD); Total Ammonical Nitrogen; Total Suspended Solids (TSS); Dissolved Oxygen (DO), pH etc. **(ANNEXURE-III).**
- The Board is monitoring the water quality of the lake on monthly basis. As per the analysis results, the lake falls under "E" class of CPCB water quality criteria. Copy of analysis results is attached as **ANNEXURE-IV.**
- The Board will monitor the water body to ascertain the improvement of the water quality after the bio-remediation work is completed.

Date: 03-04-2024

Place: Hyderabad.



ENVIRONMENTAL ENGINEER



TELANGANA STATE POLLUTION CONTROL BOARD
REGIONAL OFFICE - I, RANGAREDDY DISTRICT
#6-3-1219, 3rd Floor, Block C, Ward No.91, Near Country Club,
Kundanbagh, Umanagar, Begumpet, Hyderabad - 500 016

Lr. No. RR/OA614of2018/TSPCB/RO-RRD/2023- 2301

Date:05.12.2023

To
The Dy. Commissioner,
Greater Hyderabad Municipal Corporation,
Rajendranagar Circle,
Hyderabad

DESPATCHED
On 05/12/2023

Sir,

Sub:- TSPCB, RO, RRD - Hon'ble NGT, New Delhi - Original Application No. 16 of 2022 (SZ) (O.A No. 614 of 2018 before Principle Bench) filed by SOUL Vs Government of Telangana regarding restoration and conservation of Bum-Rukn-Ud - Dowla Lake - Dumping of Construction waste and Municipal Solid Waste - Action - Requested - Reg.



- Ref:-
1. O.A No. 16 of 2022 (SZ) (O.A No. 614 of 2018 before Principle Bench).
 2. Construction and Demolition Waste Management Rules, 2016
 3. G.O.Ms.No.27 for prohibition of open burning of waste, dated 10.07.2017
 4. The Hon'ble NGT Order in the matter Dt 22.04.2022.
 5. Inspection of the Board Officials on 14.11.2023.

With reference to the Original Application No. 16 of 2022 (SZ) (O.A No. 614 of 2018 before Principle Bench) filed by SOUL Vs Government of Telangana regarding restoration and conservation of Bum-Rukn-Ud - Dowla Lake, the TSPCB officials has inspected the Bum-Rukn-Ud - Dowla Lake on 14.11.2023 and observed the following

1. Construction & Demolition Waste and Municipal Solid waste is being dumped along the boundaries of the Lake
2. Marks of burning of Municipal Solid waste was observed along the boundaries of the Lake.
3. According to Construction and Demolition Waste Management Rules, 2016, Local bodies are the competent authority for proper management of Construction and Demolition Waste.
4. According to G.O.Ms.No.27 Dt.10.07.2017, the concerned Urban Local Body/Gram Panchayat is the competent authority for levy of environmental compensation for open waste burning done by public, concessionaire, project proponent(Private), communities etc.

In view of the above, you are requested to ensure strict monitoring around the Bum-Rukn-Ud - Dowla Lake to prevent dumping of Construction & Demolition Waste and Municipal Solid waste and prevent open burning of waste.

Environmental Engineer
Regional Office, Rangareddy.
ENVIRONMENTAL ENGINEER
Telangana State POLLUTION CONTROL BOARD REGIONAL OFFICE - 1,

Copy submitted to the JCEE, TSPCB, Legal Section,

Board Office for kind information

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ANNEXURE-II



OFFICE OF THE
SUPERINTENDING ENGINEER-V,
GREATER HYDERABAD MUNICIPAL CORPORATION,
Sardar Mahal, Charminar, HYDERABAD

Work Order No. /EE Cir-8/CRZ/GHMC/2023-2024

Date: 15.06.2023

To
MAGNATREE VENTURES PRIVATE LIMITED,
Blk 1, Ratnavali CHS Ltd,
1st Gavthan Lane Santacruz west,
Mumbai, Mumbai city,
Maharashtra, 400054.
Ph:9892508292

Gentleman,

Sub: - Engg. - EE-Cir-11-CRZ- GHMC / Cleaning of water body of Bum -Rukn
-Ud-Dowla & Nizams bowli by Bio-Remediation and organic treatment
& maintenance water quality/- Work order issued - Regarding.

Ref: - 1. 'e' Procurement Short Tender Notice NIT No. 03/EE Cir-11/CRZ/ GHMC
/ 2023-24, Dated: 15.04.2023.

AMOUNT OF CONTRACT : Rs.30,86,100.00/-
EMD (2.5%) : Rs. 77,153/-

CRZCRZ

It is to inform that the subject work has been allotted to you vide reference cited at your quoted rate at 45.00/Cum vide NIT No. 03/ EE Cir-11CRZ / GHMC / 2023-24, Dated:15.04.2023. . The period of contract is (03) Months.

Please note that if you fail to start the work within (7) days, this order automatically gets cancelled without any further notice duly initiating suitable penal action as per A.P.D.S.S.

Yours faithfully,

[Handwritten Signature]
15/06/2023

① 15/6

[Handwritten Signature]

Executive Engineer,
Circle-11 Charminar Zone
Greater Hyderabad Municipal Corporation

Copy submitted to:-

1. The Zonal Commissioner, Charminar Zone, GHMC for favour of information.
2. The Superintending Engineer(M),CRZ,GHMC for favour of information.



MAGNATREE
VENTURES PRIVATE LIMITED

To,
The Environmental Engineer,
Telangana State Pollution Control Board,
Regional Office, Ranga Reddy.
Sir,

Date: 24-11-2023

We, Magnatree Ventures Pvt Ltd. writing to inform you that GHMC has allotted the work, as part of Bio remediation treatment of Bum-Rukn-Ud-Dowla Lake, we have carried out some preliminary steps

1. Survey
2. Collection of base line samples for testing

We have conducted a survey of inlets and outlets of Bum-Rukn-Ud-Dowla Lake and collected samples of water for testing. These tests will serve as checkpoints before we begin the treatment of water in the lake. The survey of inlets and outlets was conducted to identify potential sources of pollution entering the lake. We also collected water samples from a variety of locations throughout the lake to assess the overall water quality.

The water samples will be tested for a variety of parameters, including:

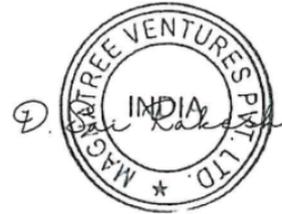
- Chemical Oxygen Demand
- Biological Oxygen Demand
- Total Ammoniacal Nitrogen
- Total Suspended Solids
- Dissolved Oxygen
- pH

The results of the water quality tests will be used to treat the water body efficiently for the lake. The goal of the treatment is to improve the water quality in the lake so that it is safe for recreational activities.

We will keep you updated on the progress of the water quality testing while we treat the lake. In the meantime, please do not hesitate to contact us if you have any questions.

Thanking you .

For Magnatree Ventures Pvt Ltd.



Sai Rakesh Dodda
Operations Manager
+91-9603236333



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info@magnatreeventures.com

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	TELANGANA STATE POLLUTION CONTROL BOARD ZONAL LABORATORY: HYDERABAD ZONE H.No.: 1-8-269, Balasamudram, Warangal – 506001
	ISO Certified Laboratory ISO 9001:2015 (Q-205023042814) & ISO 45001:2018 (HS-05023042815)

ANALYSIS REPORT

Sample Code	: ZLWGL23-12212, ZLWGL24-01138 & 02130.
Name of the lake	: Bum-Rukn-ud-Dowla Lake, Shasthipuram (V), Rajendranagr(M), Rangareddy District.
Date of Collection	: 12212: 07.12.2023, 01138: 06.01.2024 & 02130: 02.02.2024.
Date of submission	: 12212: 08.12.2023, 01138: 08.01.2024 & 02130: 05.02.2024.
Sample Collected & submitted by	: Zonal Laboratory, Warangal.
Point of Sample	: Bum-Rukn-ud-Dowla Lake.

Sl. No.	Parameter	Sample No.			CPCB Water Quality Criteria				
		12212	01138	02130	Class-A	Class-B	Class-C	Class-D	Class-E
		Values							
1.	pH	7.40	8.31	7.44	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5
2.	Dissolved Oxygen (DO)	0.3	0.3	0.3	≥6.0	≥5.0	≥4.0	≥4.0	-
3.	Electrical Conductivity (uS/cm)	2362	2394	2332	-	-	-	-	2250 Max
4.	Total Solids	1508	1524	1458	-	-	-	-	-
5.	Total Suspended Solids	20	16	12	-	-	-	-	-
6.	Total Dissolved Solids	1488	1508	1446	-	-	-	-	-
7.	Chlorides as Cl ⁻	254	274	364	-	-	-	-	-
8.	Sulphates as SO ₄ ⁻²	152	172	172	-	-	-	-	-
9.	Chemical Oxygen Demand	112	101	127	-	-	-	-	-
10.	Biological Oxygen Demand at 27°C	10	10	8	<2.0	<3.0	<3.0	-	-
11.	Total Hardness as CaCO ₃	685	650	575	-	-	-	-	-
12.	Calcium as Ca ⁺²	172	162	108	-	-	-	-	-
13.	Magnesium as Mg ⁺²	62	60	74	-	-	-	-	-
14.	Total alkalinity as CaCO ₃	670	630	430	-	-	-	-	-
15.	Total Coliform (MPN/100ml)	920	920	350	≤50	≤500	≤5000	-	-
16.	Fecal Coliform (MPN/100ml)	38	38	34	-	-	-	-	-
17.	Nitrates as NO ₃ ⁻	14.56	14.62	11.40	-	-	-	-	-
18.	Phosphates as PO ₄ ⁻³	3.74	3.86	2.17	-	-	-	-	-
19.	Fluoride as F ⁻	1.46	1.42	1.68	-	-	-	-	-

Units: All values are expressed in mg/L except pH, Electrical Conductivity, Coliform bacteria.

Class of Water use:

Class-A: Drinking Water Source without conventional treatment but after disinfection.

Class-B: Outdoor bathing (Organised).

Class-C: Drinking water source after conventional treatment and disinfection.

Class-D: Propagation of Wild life and Fisheries.

Class-E: Irrigation, Industrial Cooling, Controlled Waste disposal.

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


SENIOR ENVIRONMENTAL SCIENTIST

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