BEFORE THE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION No. 740 of 2022

IN THE MATTER OF:

Dr. Devesh Nigam .... Applicant

Versus

The State of Telangana .... Respondent

REPORT OF THE JOINT COMMITTEE

RUNNING INDEX

Place: Hyderabad

Date: 01-04-2023.

(1)

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

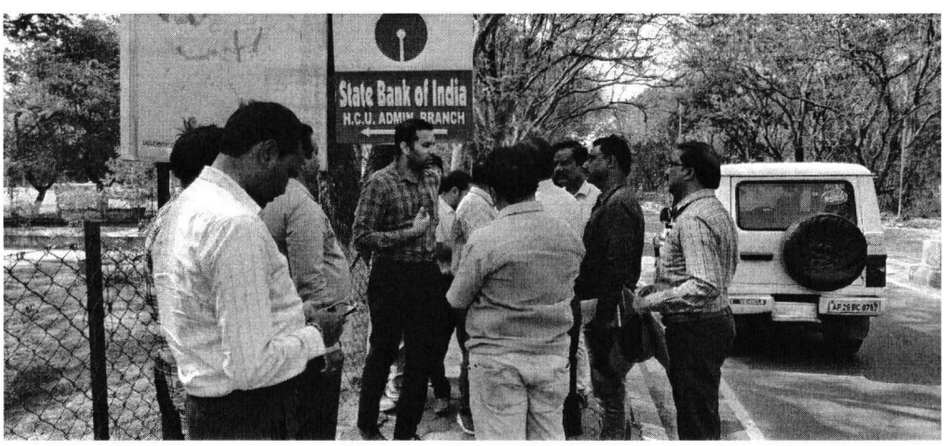
NEW DELHI

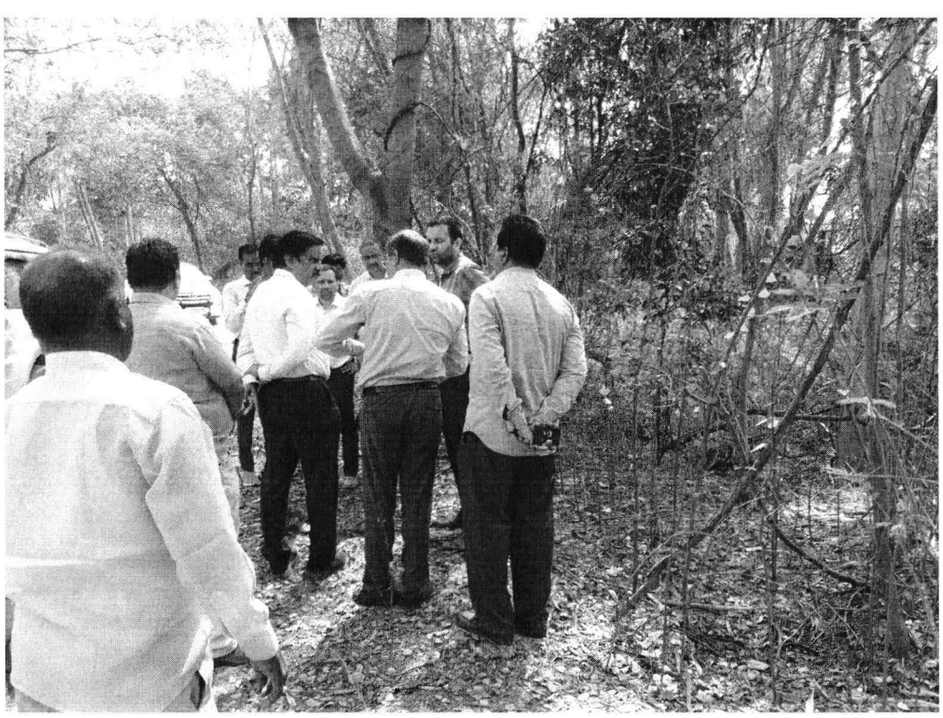
Original Application No.740 of 2022

REPORT OF THE JOINT COMMITTEE CONSTITUTED IN O.A No.740 of 2022 IN THE MATTER OF REGISTRAR, UNIVERSITY OF HYDERABAD (CENTRAL UNIVERSITY P.O), PROF. C.R ROAD, GACHIBOWLI, HYDERABAD

VERSUS

STATE OF TELANGANA





Joint Committee Inspection at University of Hyderabad on 07.02.2023

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

NEW DELHI

Original Application No.740 of 2022

IN THE MATTER OF:

1.	Registrar, University of Hyderabad (Central University), Prof. C.R Road, Gachibowli, Hyderabad	Applicant (s)
	Versus	
2.	State of Telangana	Respondent (s)

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Report of the Joint Committee constituted in the O.A. No. 740 of 2022 in the matter of Registrar, University of Hyderabad (Central University), Prof. C.R Road, Gachibowli, Hyderabad Versus State of Telangana

Introduction:

The Hon'ble National Green Tribunal (NGT), New Delhi has registered Original Application based on a complaint received by post from Dr. Devesh Nigam, Registrar, University of Hyderabad. The grievance in the application is regarding untreted sewage and medical waste being discharged into Central University campus by Sports Complex of Telangana & Telangana Institute of Medical Sciences (TIMS) and also from adjacent colonies.

The Hon'ble NGT, New Delhi passed an Order dated 03.01.2023 in the O.A. No. 740 of 2022 constituting a Joint committee comprising of following members with the nodal agency as the District Collector, RR District.

1. State PCB
2. GHMC
3. District Collector, RR District – **Nodal agency for coordination & compliance**

The Hon'ble NGT directed the Joint Committee to look into the grievance, visit the site, collect relevant information and submit factual as well as action taken, if any and submit report within two months.

Constitution of the Joint Committee:

In compliance with the directions of the Hon'ble NGT, the District collector, Rnagareddy nominated Sri. Prateek Jain, IAS, Additional Collector (Local Body) as representative of District Collector, R.R District. The Telangana Pollution Control Board (TSPCB) has nominated Sri D. Krupanand, Joint Chief Environmental Engineer (JCEE), Zonal Office, Hyderabad as representative of TSPCB. **(Annexure-I)** Sri. J. Shankaraih, Zonal Commissioner, GHMC, Serlingampally was nominated as representative of GHMC.

Terms of reference (TOR) to the Joint Committee:

- The Joint committee constituted by the Hon'ble NGT shall visit the site and interact with the officials of University of Hyderabad (Central University) to ascertain the facts. The nodal agency will be the District Collector, Rangareddy for coordination and compliance.

The JOINT COMMITTEE MEETING AND INSPECTION:

The joint committee consisting of the following members inspected the University of Hyderabad (Central University) and its surroundings on 07.02.2023:

1. Sri. Prateek Jain, IAS, Additional Collector, R.R District.
2. Sri D. Krupanand, Joint Chief Environmental Engineer (JCEE), ZO, HYD, TSPCB.
3. Sri. J. Shankaraih, Zonal Commissioner, GHMC, Serlingampally.

At the time of inspection, Sri. Abhishek, Deputy Registrar, Sri. DVN Raju, Executive Engineer & Sri. K. Yadaiah, Asst Engineer of M/s. University of Hyderabad (Central University) were

present and accompanied the Joint Committee for inspection. The following observations are made by the Joint Committee:

- The University of Hyderabad (Central University) is located in Gachibowli area of Greater Hyderabad Municipal Corporation (GHMC) and spread in an area of 1,800 Acres which includes campus buildings, Hostels and thickly vegetated open lands.
- The Officials of M/s. University of Hyderabad (Central University) informed that four water bodies namely i). Peacock Lake, ii) Chilakala Kunta iii). Gundla Kunta, iv). Gunneru Kunta are located within the premises of M/s. University of Hyderabad (Central University) and the Main source of the water for these water bodies is runoff rain water and un-treated sewage from residential colonies and surrounding habitations like TNGO colonies and surrounding areas.
- The University Officials informed untreated sewage water is coming from the residential colonies, Hotel and M/s. Telangana Institute of Medical Sciences & Research (TIMS), located in upstream of the area and the sewage water is joining the Peacock Lake and causing water pollution. They also informed M/s. Telangana Institute of Medical Sciences & Research (TIMS) is not in operation since few months.
- During the inspection, the Joint Committee has observed Deers in the surroundings of the peacock lake and representative of the university has stated that in addition to this there are large number of peacocks, Rabbits and Forest pigs in the campus for which the above lakes are the drinking water source.
- The main source of water pollution in **Peacock lake** is due to un-treated sewage from the following points:

S. No.	Source of sewage in upstream	GPS Coordinates of the sewage entering into the premises	Un treated, Sewage leading to
1	Nallah passing from premises of TIMS, Stadium & Residential colonies	17°26'46.86"N 78°20'31.95"E	Peacock Lake
2	Drain -1, passing from TNGOs colony area into central university campus	17°26'38.87"N 78°20'5.01"E	Peacock Lake
3	Drain -2, passing from TNGOs colony area into central university campus	17°26'45.56"N 78°19'51.94"E	Peacock Lake
4	Drain -3, passing from TNGOs colony area into central university campus	17°26'48.99"N 78°19'43.40"E	Peacock Lake
5	Drain -4, passing from TNGOs colony area into central university campus	17°26'35.02"N 78°19'28.80"E	Peacock Lake

- At the time of inspection, it was observed that the Telangana Institute of Medical Sciences (TIMS) was not in operation, the Medical Superintendent of TIMS has stated that there is no in patients since September, 2021. However, he has stated that only out patients in the tune of 20 to 30 patients per day are visiting the hospital for the treatment during day time only. The committee has observed that there is no sewage discharge from the hospital. A septic tank is existing on the North-West corner of the hospital premises and there is no discharge from the septic tank.

- The Committee observed that a thin flow of untreated domestic sewage from upstream of TIMS is joining peacock lake. At the upstream of TIMS there are residential Gated Community apartments / Villas and Hotel which are having sewerage treatment plants for treatment and reuse of domestic sewage generated. However, it was observed that M/s. Ellaa Hotel (M/s. Indus Palms Hotels and Resorts Limited) is having STP for treatment of sewage generated but the STP was not in operation and a thin flow of un-treated sewage was entering into Central University Campus through M/s. TIMS. The TSPCB has immediately issued notice to M/s. Ellaa Hotel (M/s. Indus Palms Hotels and Resorts Limited) to stop the un-treated sewage from entering to University Campus. The details of STPs provided by Grated community apartments / Villas and Hotels are as follows:

S. No	Name and address	STP capacity	
1	M/s. Hill Ridge Springs, ISB road, Kancha Gachibowli (V), Serlingampally (M), Ranagereddy District.	100 KLD is in operation & treaded water is reused.	Analysis reports are enclosed **(Annexure-II)**
2	M/s. Ellaa Hotel (M/s. Indus Palms Hotels and Resorts Limited), ISB road Kancha Gachibowli (V), Serlingampally (M), Rangareddy District	STP provided but not in operation and discharging untreated sewage.	
3	M/s. Hill ridge villas, ISB road, Kancha Gachibowli (V), Serlingampally (M), Ranagereddy District.	120 KLD is in operation & treaded water is reused.	

- The Joint Committee has also observed that un-treated sewage from Gopanapally village is joining University campus and flowing into Nallagandla Lake from Two points i.e. i) A un-lined drain directly from Gopanapally Village and ii) A drain passing from Gopanpally village area adjacent to Aparna Sarovar Residential Towers, Nallagandla Village, Serlingampally. The representative of the University informed that part of the Nallagandla lake is located in University campus. The details are as follows:

S. No.	Source of untreated sewage in upstream	GPS Coordinates of the sewage entering into the premises	Untreated Sewage leading to
1	Drain passing from Gopanpally village area entering into University campus	17°27'7.02"N 78°18'41.51"E	Nallagandla Lake
2	Drain passing from Gopanpally village area entering into University campus (back side of M/s. Aparna Sarovar, Nallagandla)	17°27'40.38"N 78°18'44.56"E	Nallagandla Lake

- Analysis reports of the samples collected from the drains are enclosed as **Annexure - III**
- The following Grated Community Apartments are situated adjacent to the drain located near Gopanapally village. The following apartments are having sewerage treatment plants (STPs) for treatment of sewage water and there are utilizing treated water for plantation and toilet flushing.

S. No	Name and address	STP capacity	
1	M/s. "Aparna Cyber Life" by M/s. Aparna Constructions & Estates (P) Ltd., Sy.No.220(P), 221, 222(P, 235, 236, 241(P),	900 KLD	

	242(P) & 297(P), Nallagandla (V), Serilingampally (M), Ranga Reddy District		Analysis reports are enclosed **(Annexure-IV)**
2	M/s. Aparna Sarovar Zenith of M/s. Aparna Infra Housing Pvt. Ltd., Survey Nos. 222(P), 223, 224, 225, 226, 271(P), 272(P), 276(P), 277(P), 278(P), 282(P), 284(P), 285, 286, 287, 288, 289, 290, 291, 292, 293, 294(P) & 295, Nallagandla, Serilingampally, Ranga Reddy District	1080 KLD	
3	"Aparna Sarovar Grande" by M/s. Aparna Infra Housing (P) Ltd., Sy.No.281 (P) & 282(P), Nallagandla (V), Serilingampally (M), Ranga Reddy District	750 KLD	
4	Aparna Sarovar, Nallagandla, M/s. Aparna Infra Housing Pvt Ltd, Sy No., 12 (Part) & 13, Kancha Gachibowli, Nallagandla (V), Serilingampally (M), Ranga Reddy District	1000 KLD	

- The Pollution Control Board issues permission for the Construction Projects (Commercial / Residential) if the built up area is more than 20,000 Sq.mtrs and while issuing permission STP is mandatory for all the projects. The Construction Projects (Commercial / Residential) if the built up area is less than 20,000 Sq.mtrs the permission for these projects is granted by GHMC / HMWS&SB and it is the responsibility of these agencies to ensure that the un-treated sewage from this projects / Residential areas are treated before discharging into water bodies.
- The details of water samples collected from the water bodies of Peacock lake and Nalagandla lake are tabulated below:

- **Peacock lake water analysis report (Annexure-V):**

S. No	**Parameter**	**Unit**	**Results**
			23/02/072
1.	pH	--	8.52
2.	Electrical Conductivity	µS/cm	1129
3.	Dissolved Oxygen	mg/L	5.7
4.	Chemical Oxygen Demand	mg/L	290
5.	BOD 3 at 27^0C	mg/L	97
6.	Total Suspended Solids	mg/L	466
7.	Total Dissolved Solids	mg/L	756
8.	Free Ammonia	mg/L	0.34
9.	SAR	-	4.4
10.	Total coliform	MPN/100ml	430
11.	Fecal coliform	MPN/100ml	210
CPCB water quality criteria class			**D**

- **Water analysis reports of Nallagandla lake (Annexure-V):**

S. No	**Parameter**	**Unit**	**Results**
			Nov- 2022
1.	pH	--	7.37

2.	Electrical Conductivity	µS/cm	628
3.	Dissolved Oxygen	mg/L	3.9
4.	BOD 3 at 27^0C	mg/L	3
5.	Total coliform	MPN/100ml	350
6.	Boron	mg/L	0.5
7.	SAR	-	-
CPCB water quality criteria class			**E**

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 27^0C	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 (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

CONCLUSION:

Peacock Lake:

- The untreated sewage water is entering in to University campus and finally joining the Peacock lake from the following 4 drains of Residential colonies of TNGO's and also a thin stream of sewage is entering in to the University campus from the upstream area of M/s. Telangana Institute of Medical Sciences (TIMS) and joining the Peacock lake.

S. No.	**Source of sewage in upstream**	**GPS Coordinates of the sewage entering into the premises**	**Un treated, Sewage leading to**
1	Drain -1, passing from TNGOs colony area into central university campus	17°26'38.87"N 78°20'5.01"E	Peacock Lake
2	Drain -2, passing from TNGOs colony area into central university campus	17°26'45.56"N 78°19'51.94"E	Peacock Lake
3	Drain -3, passing from TNGOs colony area into central university campus	17°26'48.99"N 78°19'43.40"E	Peacock Lake
4	Drain -4, passing from TNGOs colony area into central university campus	17°26'35.02"N 78°19'28.80"E	Peacock Lake
5	Nallah passing from premises of TIMS, Stadium & Residential	17°26'46.86"N 78°20'31.95"E	Peacock Lake

	colonies		

Nalagandla Lake:

- The untreated sewage water is entering in to University campus and finally joining with Nalagandla lake from the following 2 drains of Residential areas of Gopanapally village.

S. No.	Source of untreated sewage in upstream	GPS Coordinates of the sewage entering into the premises	Untreated Sewage leading to
1	Drain passing from Gopanpally village area entering into University campus	17°27'7.02"N 78°18'41.51"E	Nallagandla Lake
2	Drain passing from Gopanpally village area entering into University campus (back side of M/s. Aparna Sarovar, Nallagandla)	17°27'40.38"N 78°18'44.56"E	Nallagandla Lake

- **As per CPCB water quality criteria classification, as per the analysis reports of the Peacock lake, the water quality falls under category D-Class, which means it can be used for Propagation of wild life and fisheries but cannot be used for drinking, outdoor bathing etc.**
- **As per CPCB water quality criteria classification, the Nalagandla lake water quality category falls under category E-Class, which means it can be used for Irrigation, Industrial cooling, Controlled Waste disposal but cannot be used for drinking, outdoor bathing, fisheries etc.**

RECOMMENDATIONS OF THE JOINT COMMITTEE:

- [illegible], The Hyderabad Metro Water Supply & Sewerage Board (HMWS&SB) shall take necessary measures to avoid un-treated sewage entering into the premises of M/s. University of Hyderabad by construction of Interception & Diversion structures (I&D) or construction of STPs for treatment and disposal of un-treated sewage from residential areas entering into the University premises which is ultimately jointing peacock lake and Nallagandla Lake.
- The TSPCB shall ensure that the sewage generated from the Gated Community / Apartments / Residential / Commercial with built-up area more than 20,000 sq.mtrs operate the STPs regularly and re-use the same without discharging un-treated sewage water into University premises.

Sri. J. Shankaraih, **Zonal Commissioner,** **(Representative of GHMC)**	**Sri D. Krupanand,** **Joint Chief Environmental Engineer,** **Telangana State PCB** **(Representative of TSPCB)**	**Sri. Prateek Jain, IAS,** **Additional Collector,** **Rangareddy District**

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(9) ANNEXURE-I

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500018
Phone: 040 – 23887500

Lr.No. 13/NGT-New Delhi/TSPCB/Legal/2022-123 **Date: 16-01-2023**

To

The Commissioner,
GHMC, Lower Tank Bund,
Hyderabad.

The District Collector,
RR District.

Sir,

Sub: TSPCB -- Legal -- Hon'ble NGT, New Delhi – Original Application No. 740 of 2022 filed by Dr.Devesh Nigam Vs State of Telangana – Order dated 03.01.2023 -- Reg.

Ref: 1. OA No. 740 of 2022.
2. Hon'ble NGT, New Delhi Order dated 03.01.2023.

* * *

It is to submit that the OA is registerec based on a complaint received by post from Dr.Devesh Nigam, Registrar, University of Hyderabad. The grievance in the application is regarding sewage and medical waste being discharged in University campus by Sports Complex and Telangana Institue of Medical Sciences (TIMS) and also from adjacent colonies. The copy of the same is enclosed for information.

The above case was heard before the Hon'ble NGT, New Delhi on 03.01.2023 and the extract of the Hon'ble NGT Order is as follows: -

"

ORDER

1. This original application has been registered under Section 14& 15 of the National Green Tribunal Act, 2010 (hereinafter referred to as 'NGT Act, 2010') on a letter petition dated 08.06.2022 received from the Registrar, University of Hyderabad (Central University P.O), Prof. C.R Road, Gachibowli, Hyderabad.

2. It is said that sewage and medical waste is being discharged in university campus by Sport Complex and Telangana Institute of Medical Sciences (TIMS) and also from adjacent colonies causing lot of pollution in campus and in this regard, several complaints have been made to various authorities but none have responded or taken any appropriate action till date.

3. In our view, before proceeding further, it would be appropriate to obtain a factual report for which purpose, we constitute a joint committee comprising State PCB, Greater Hyderabad Municipal Corporation and District Magistrate, Rangareddy who shall visit the site, collect relevant information and submit factual as well as action taken, if any, including granting of authorizations and compliance status as per Bio-Medical Waste Rules and reasons for

Contd...2

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alleged disposal of sewage into university campus vis-à-vis consent for sewage discharge under the Water (Prevention and Control of Pollution) Act, 1974 report within two months by email at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF. Nodal agency will be the District Magistrate, Rangareddy for coordination and compliance.

4. List the matter for further consideration on 10.03.2023".

The copy of the above Order is also enclosed for information.

The Hon'ble Tribunal constituted a Joint Committee as follows: -

a) State PCB
b) GHMC and
c) District Collector, RR District – **Nodal agency for coordination & compliance.**

The Tribunal directed the Joint Committee to submit its report by e-mail within two months and posted the matter to 10.03.2023.

Sri.D.Krupanand, Joint Chief Environmental Engineer, Zonal Office, Hyderabad [Cell No. 9866776706, e-mail: jcee-zhyd-tspcb@telangana.gov.in**] is nominated as representative of TSPCB.**

The case is posted for hearing on 10.03.2023.

In view of the above, it is kindly requested to nominate an Official for compliance of the Hon'ble NGT directions for filing of the report within timelines.

Yours faithfully,
Sd/-
MEMBER SECRETARY

Encl: As above.

Copy to:

1. The JCEE, ZO, Hyderabad for information and immediate necessary action.
2. The EE, RO, RR-I for information and necessary action.

// T.C.F.B.O //

K Reddy

JOINT CHIEF ENVIRONMENTAL ENGINEER,
TSPCB, HEAD OFFICE, HYD.

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

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TC-7123

CENTRAL LABORATORY

ANNEXURE-II

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/278-279
Collected on: 13/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 20/02/2023

Collected by: EE, RO-RRD.
Received on: 14/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 2

Source: M/s. Hill ridge Springs, ISB road, Kancha Gachibowli (V), Serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/278 - Inlet of STP
23/02/279 - Outlet of STP

Parameters	Method No.	Unit	Results		Standard Schedule – I of EP ACT 1986
			23/02/278	23/02/279	
pH	4500 - B	-	7.24	7.41	6.5 - 9.0
Electrical conductivity	2510 - B	µS/cm	1150	1038	-
Total Suspended Solids	2540 - D	mg/L	241	<5	< 100
Total Dissolved Solids	2540 - C	mg/L	714	567	-
Chemical Oxygen Demand	5220 - B	mg/L	402	44	-
BOD 3 at 27°C	IS 3025, 1993	mg/L	157	14	30
Oil & Grease	5520 – B	mg/L	0.1	BDL	-

Note: Results related to sample as received.
(*) : Sample not collected
BDL: Below Detectable Limit

Senior Environmental Scientist

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

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CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/278-279
Collected on: 13/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 20/02/2023

Collected by: EE, RO-RRD.
Received on: 14/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 2 of 2

Source: M/s. Hill ridge Springs, ISB road, Kancha Gachibowli (V), Serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/278 - Inlet of STP
23/02/279 - Outlet of STP

Parameters	Method No.	Unit	Results		Standard Schedule – I of EP ACT 1986
			23/02/278	23/02/279	
Total coliform	9221 – B, C	MPN/100ml	*	1600	-
Fecal coliform	9221 – B, C	MPN/100ml	*	25	< 1000

(*) : Sample not Collected
Note: Results related to sample as received.

Senior Environmental Scientist

Annexure - II

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

(13)

TC-7123

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/280-281
Collected on: 13/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 20/02/2023

Collected by: EE, RO-RRD.
Received on: 14/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 2

Source: M/s. Hill ridge villas, ISB road, Kancha Gachibowli (V), Serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/280 - Inlet of STP
23/02/281 - Outlet of STP

Parameters	Method No.	Unit	Results		Standard Schedule – I of EP ACT 1986
			23/02/280	23/02/281	
pH	4500 - B	-	7.21	7.58	6.5 - 9.0
Electrical conductivity	2510 - B	µS/cm	1330	1229	-
Total Suspended Solids	2540 - D	mg/L	70	<5	< 100
Total Dissolved Solids	2540 - C	mg/L	735	665	-
Chemical Oxygen Demand	5220 - B	mg/L	159	68	-
BOD 3 at 27°C	IS 3025, 1993	mg/L	63	21	30
Oil & Grease	5520 – B	mg/L	BDL	BDL	-

Note: Results related to sample as received.
(*) : Sample not collected
BDL: Below Detectable Limit

Senior Environmental Scientist

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

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CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/280-281
Collected on: 13/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 20/02/2023

Collected by: EE, RO-RRD.
Received on: 14/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 2 of 2

Source: M/s. Hill ridge villas, ISB road, Kancha Gachibowli (V), Serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/280 - Inlet of STP

23/02/281 - Outlet of STP

Parameters	Method No.	Unit	Results		Standard Schedule – I of EP ACT 1986
			23/02/280	23/02/281	
Total coliform	9221 – B, C	MPN/100ml	*	>1600	-
Fecal coliform	9221 – B, C	MPN/100ml	*	39	< 1000

(*) : Sample not Collected

Note: Results related to sample as received.

Senior Environmental Scientist

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

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CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/373
Collected on: 17/02/2023
Test method: Standard Methods of APHA, 23rd Edition/ EPA
Issue date: 24/02/2023

Collected by: RO – I- RR District
Received on: 17/02/2023
Quantity of the sample: 1Lt. sample.
Page No.: 1 of 1

Source: M/s. Ella Hotel (Indus palms Hotels and resorts Limited), Sy. no 25 of Kancha Gachibowli, Serlingampally Rangareddy District.

Sample code : Sample details

23/02/373: Raw sewage Sample Collected from underground drain within the premises, which is being discharged to outside drain.

Parameters	Method (*) No.	Unit	Results 23/02/373
pH at 25°C	4500-B	-	7.15
Total Suspended Solids	2540-B	mg/L	40
Total Dissolved Solids	2540-C	mg/L	920
COD	5220-B	mg/L	300
BOD 3 at 27°C	IS 3025, 1993	mg/L	87
Oil and Grease	5520 – B	mg/L	0.2
Total coliform	9221 – B, C	-	>1600
Faecal coliform	9221 – B, C	-	110

Note: Results related to sample as received.

Remarks: The sample is showing bacterial contamination and COD is exceeding the sewer standards.

Joint Chief Environmental Scientist

....End of report...

Annexure - III

(16)

ANNEXURE-III

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate,Sanathnagar, Hyderabad - 500 018
Ph: 040-23887500

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/01/358
Collected on: 21/01/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 02/02/2023

Collected by: RO –RR-I
Received on: 23/01/2023
Quantity of the sample: 1Ltr. Sample
Page No.: 1 of 1

Source: Waste water Sample collected from open Nallah, within the premises (GPS Coordinates : 17.446428, 78.3421159) of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The Nallah is leading to peacock lake.

Sample code : Sample details / collection point

23/01/358 - Waste water Sample collected from open Nallah, within the premises (GPS Coordinates : 17.446428, 78.3421159) of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The Nallah is leading to peacock lake.

Parameters	Method (*) No.	Unit	Results 23/01/358
pH at 25°C	4500-B	-	7.34
Total Suspended Solids	2540-B	mg/L	68
Total Dissolved Solids	2540-C	mg/L	768
COD	5220-B	mg/L	145
BOD 3 at 27°C	IS 3025, 1993	mg/L	86
Oil and Grease	5520 – B	mg/L	<0.1
Faecal - coliform	9221 – B, C	mg/L	350
Total coliform	9221 – B, C	mg/L	>1600

Note: Results related to sample as received.

Remarks: The sample shows bacterial contamination.

Joint Chief Environmental Scientist

.....End of report.....

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavarana Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

(17)

TC-7123

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/160-164
Collected on: 07/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 15/02/2023

Collected by: EE, RO - RRD.
Received on: 08/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 1

Sample code : Sample details / collection point

23/02/160 - Sewage water sample collected from drain-1, passing from TNGOs Colony area (17°26'38.87''N 78°20'5.01''E) and entering into premises of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The nallah is leading to peacock lake.

23/02/161 - Sewage water sample collected from drain – 2, passing from TNGOs Colony area (17°26'45.56''N 78°19'51.94''E) and entering into premises of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The nallah is leading to peacock lake.

23/02/162 - Sewage water sample collected from drain – 4, passing from TNGOs Colony area (17°26'35.02''N 78°19'28.80''E) and entering into premises of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The nallah is leading to peacock lake.

23/02/163 - Sewage water sample collected from drain passing from Gopanapally village area (17°27'7.02''N 78°18'41.51''E) and entering into premises of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District. The nallah is leading to Nallagandla lake.

23/02/164 - Sample collected from stagnation (appearing in clear) at back side of M/s. Aparna Sarovar (17°27'40.38''N 78°18'44.56''E) within the premises of University of Hyderabad, Gachibowli (V), Serilingampally (M), Rangareddy District, The nallah is leading to Nallagandla lake.

Parameters	Method (*) No.	Unit	Results				
			23/02/160	23/02/161	23/02/162	23/02/163	23/02/164
pH at 25°C	4500-B	-	7.22	7.42	7.38	7.49	8.75
Total Suspended Solids	2540-B	mg/L	144	106	124	184	<5
Total Dissolved Solids	2540-C	mg/L	843	777	909	893	744
COD	5220-B	mg/L	210	127	183	222	44
BOD 3 at 27°C	IS 3025, 1993	mg/L	59	36	51	71	7
Oil and Grease	5520 – B	mg/L	0.1	BDL	BDL	0.1	BDL
Total coliform	9221 – B, C	MPN/100ml	540	540	920	280	220
Fecal coliform	9221 – B, C	MPN/100ml	21	22	27	26	27

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

Senior Environmental Scientist

.....End of report.....

Annexure - IV

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate,Sanathnagar, Hyderabad - 500 018 ANNEXURE - IV
Ph: 040-23887500

(18)

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/349-350
Collected on: 15/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date:28/02/2023

Collected by: RO-Rangareddy
Received on: 16/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 1

Source: M/s. ' Aparna Cyber Life' by M/s. Aparna Constructions & Estates (P) Ltd., Sy.no 220(P), 221, 222(P, 235,236, 241(P), 242(P), & 297(P), Nallagandla (V), serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/349 - Inlet of STP
23/02/350 - Outlet of STP

Parameters	Method (*) No.	Unit	Results	
			23/02/349	23/02/350
pH at 25°C	4500-B	-	7.28	8.83
Total Suspended Solids	2540-B	mg/L	167	46
Total Dissolved Solids	2540-C	mg/L	678	486
COD	5220-B	mg/L	159	48
BOD 3 at 27°C	IS 3025, 1993	mg/L	54	10
Oil and Grease	5520 – B	mg/L	0.2	<0.1

Note: Results related to sample as received.

Senior Environmental Scientist

.....End of report.....

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate,Sanathnagar, Hyderabad - 500 018
Ph: 040-23887500

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CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/351-352
Collected on: 15/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 28/02/2023

Collected by: RO-Rangareddy
Received on: 16/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 1

Source: M/s. Aparna Sarovar Zenith M/s. Aparna Infra Housing Pvt.Ltd., Survey Nos. 222P, 223,224,225,226, 271P, 272P, 276P, 277P, 278P, 282P, 284P, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 P, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294(P), & 295, Nallagandla, serlingampally, Rangareddy District.

Sample code : Sample details / collection point

23/02/351 - Inlet of STP
23/02/352 - Outlet of STP

Parameters	Method (*) No.	Unit	Results	
			23/02/351	23/02/352
pH at 25°C	4500-B	-	7.86	7.42
Total Suspended Solids	2540-B	mg/L	51	19
Total Dissolved Solids	2540-C	mg/L	994	597
COD	5220-B	mg/L	134	43
BOD 3 at 27°C	IS 3025, 1993	mg/L	45	9
Oil and Grease	5520 – B	mg/L	0.3	0.1

Note: Results related to sample as received.

Senior Environmental Scientist

.....End of report.....

Annexure - IV

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate,Sanathnagar, Hyderabad - 500 018
Ph: 040-23887500

(20)

CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/353-354
Collected on: 15/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date:28/02/2023

Collected by: RO-Rangareddy
Received on: 16/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 1

Source: M/s. Aparna Sarovar Grande by M/s. Aparna Infra Housing (P) Ltd, Sy. No 281 (P) & 282 (P), Nallagandla (V), Serlingampally (M), Rangareddy District.

Sample code : Sample details / collection point

23/02/353 - Inlet of STP
23/02/354 - Outlet of STP

Parameters	Method (*) No.	Unit	Results	
			23/02/353	23/02/354
pH at 25°C	4500-B	-	6.91	7.15
Total Suspended Solids	2540-B	mg/L	47	15
Total Dissolved Solids	2540-C	mg/L	519	494
COD	5220-B	mg/L	184	40
BOD 3 at 27°C	IS 3025, 1993	mg/L	62	9
Oil and Grease	5520 – B	mg/L	0.2	<0.1

Note: Results related to sample as received.

Senior Environmental Scientist

.....End of report.....

Annexure-IV

TELANGANA STATE POLLUTION CONTROL BOARD
Paryavarana Bhavan, A-3, Industrial Estate,Sanathnagar, Hyderabad - 500 018
Ph: 040-23887500

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CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/02/355-356
Collected on: 15/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date:28/02/2023

Collected by: RO-Rangareddy
Received on: 16/02/2023
Quantity of the sample: 1Ltr. Sample each
Page No.: 1 of 1

Source: M/s. Aparna Sarovar Nallagandla, M/s. Aparna Infra Housing Pvt.Ltd., Sy. No 12 (part) & 13, Kancha Gachibowli (V), Serlingampally (M), Rangreddy District.

Sample code : Sample details / collection point

23/02/355 - Inlet of STP
23/02/356 - Outlet of STP

Parameters	Method (*) No.	Unit	Results	
			23/02/355	23/02/356
pH at 25°C	4500-B	-	6.49	6.97
Total Suspended Solids	2540-B	mg/L	80	18
Total Dissolved Solids	2540-C	mg/L	562	512
COD	5220-B	mg/L	188	48
BOD 3 at 27°C	IS 3025, 1993	mg/L	64	10
Oil and Grease	5520 – B	mg/L	0.1	<0.1

Note: Results related to sample as received.

Senior Environmental Scientist

.....End of report.....

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018
Ph: 040-23887500

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ANNEXURE-V
TC-7123

CENTRAL LABORATORY

Analysis Report

Reg. No.SR/05/TSPCB/HO/R00/LAB/2023/23/02/072
Collected on: 03/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 13/02/2023

Collected by: AES-II, RO-RRD
Received on: 04/02/2023
Quantity of the sample: 1 Ltr. sample each
Page No: 1 of 2

Sample code : **Sample details / collection point**

23/02/072 - Water sample collected from Peacock Lake (HCU), Gachibowli, Serlingampally, Rangareddy District.

Parameters	Method No.	Unit	Results
			23/02/072
pH	4500-B	-	8.52
Electrical conductivity	2510-B	µS/cm	1129
Chemical Oxygen Demand	5220-D	mg/L	290
BOD 3 at 27^{O}C	IS 3025, 1993	mg/L	97
Total Suspended Solids	2540-D	mg/L	466
Total Dissolved Solids	2540-D	mg/L	756
Nitrates	4500-NO3 B	mg/L	NA
Boron	4500-B	mg/L	NA
CPCB water quality criteria class			**D**

Note: Results related to sample as received
BDL: Below Detectable Limit
NA: Not Analyzed as the instrument is under repair

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^{O}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

Senior Environmental Scientist

TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018

Ph: 040-23887500

(23)

CENTRAL LABORATORY

Analysis Report

Reg. No.SR/05/TSPCB/HO/R00/LAB/2023/23/02/072
Collected on: 03/02/2023
Test method: Standard Methods of APHA, 23rd Edition
Issue date: 13/02/2023

Collected by: AES-II, RO-RRD
Received on: 04/02/2023
Quantity of the sample: 1 Ltr. sample each
Page No: 2 of 2

Sample code	:	Sample details / collection point
23/02/072	-	Water sample collected from Peacock Lake (HCU), Gachibowli, Serlingampally, Rangareddy District.

Parameters	Method No.	Unit	Results
			23/02/072
Dissolved oxygen	4500- O C	mg/L	5.7
Free Ammonia	-	mg/L	0.34
SAR	-	-	4.4
Total coliform	9221 – B, C	MPN/100ml	430
Fecal coliform	9221 – B, C	MPN/100ml	210
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^{O}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.

Senior Environmental Scientist

Telangana State Pollution Control Board

Water quality data of Nalagandla Cheruvu, Nalagandla (V), Serlingampally (M), Rangareddy District							
Month & Year	**Name of the water body**	**pH**	**Conductivity (mS/cm)**	**DO (mg/L)**	**BOD (mg/L)**	**Total coliform (MPN / 100ml)**	**Boron (mg/L)**
Nov, 2022	Nalagandla Cheruvu	7.37	628	3.9	3	350	0.5
CPCB Water Quality Category			**E**				

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 $27^{O}C$	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 (Organized)

C-Drinking water source after conventional treatment and disinfection

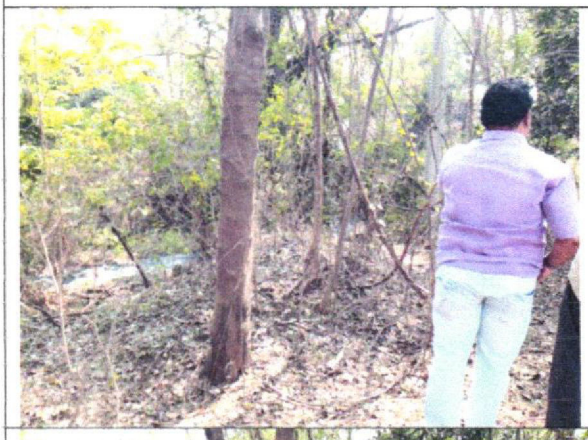
D-Propagation of wild life and fisheries

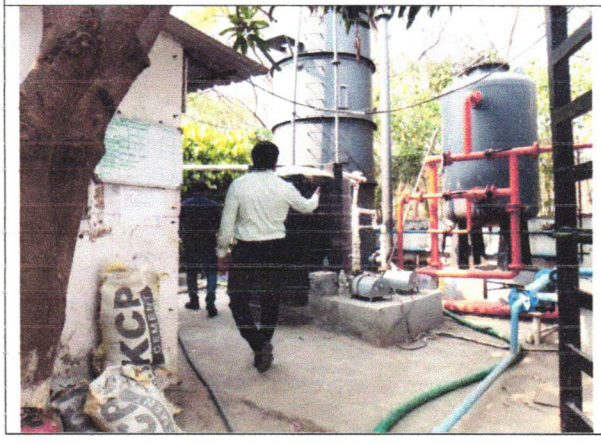
E-Irrigation, Industrial cooling, Controlled Waste disposal

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

ANNEXURE - VI

Photographs captured during Joint Committee Inspection on 07.02.2023 with reference to Hon'ble NGT O.A. No. 740 of 2022

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(28)

ANNEXURE - VII

Item No. 03 Court No. 2

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 740/2022

Dr. Devesh Nigam Applicant

Versus

State of Telangana Respondent

Date of hearing: 03.01.2023

CORAM: HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICIAL MEMBER
HON'BLE PROF. A. SENTHIL VEL, EXPERT MEMBER

Application is registered based on a complaint received by post

ORDER

1. This original application has been registered under Section 14& 15 of the National Green Tribunal Act, 2010 (hereinafter referred to as 'NGT Act, 2010') on a letter petition dated 08.06.2022 received from the Registrar, University of Hyderabad (Central University P.O), Prof. C.R Road, Gachibowli, Hyderabad.

2. It is said that sewage and medical waste is being discharged in university campus by Sport Complex and Telangana Institute of Medical Sciences (TIMS) and also from adjacent colonies causing lot of pollution in campus and in this regard, several complaints have been made to various authorities but none have responded or taken any appropriate action till date.

3. In our view, before proceeding further, it would be appropriate to obtain a factual report for which purpose, we constitute a joint committee comprising State PCB, Greater Hyderabad Municipal Corporation and District Magistrate, Rangareddy who shall visit the site, collect relevant information and submit factual as well as action taken, if any, including granting of authorizations and compliance status as per Bio-Medical Waste Rules and reasons for alleged disposal of sewage into university campus vis-à-vis consent for sewage discharge under the Water (Prevention and Control of Pollution) Act, 1974 report within two months by email at judicial-ngt@gov.in preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF. Nodal agency will be the District Magistrate, Rangareddy for coordination and compliance.

4. List the matter for further consideration on 10.03.2023.

5. A copy of this order along with copy of the complaint be forwarded to Telangana State PCB, Greater Hyderabad Municipal Corporation and District Magistrate, Rangareddy by email for compliance.

Sudhir Agarwal, JM

Prof. A. Senthil Vel, EM

January 03, 2023
Original Application No. 740/2022
AB

Item No. 6 Court No. 1

(30)

BEFORE THE NATIONAL GREEN TRIBUNAL
NEW DELHI (PRINCIPAL BENCH)

Original Application No. 740/2022

Dr Devesh Nigam .... Applicant(s)

Versus

State of Telangana .... Respondent(s)

Date of Hearing: 10.03.2023

Matter stands adjourned to: 14.04.2023