

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

ORIGINAL APPLICATION No. 108 OF 2023 (SZ)

IN THE MATTER OF:

Vaspari Lingaiah,
Telangana & Others

....

Applicant(s)

Versus

State of Telangana,
rep by its Chief Secretary,
Telangana & Others

....

Respondent(s)

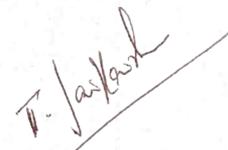
REPORT OF THE TELANGANA STATE POLLUTION CONTROL BOARD (R3)

RUNNING INDEX

Sl. No	Particulars	Page Nos.
1.	Report dated 24.01.2024 of the Telangana State Pollution Control Board (Respondent No. 3).	1 – 3
2.	Annexure–I – Analysis report of samples collected at M/s. Shree Jaya Laboratories (P) Ltd., Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.	4 – 5
3.	Annexure–II – Analysis report of samples collected at M/s. Vineet Laboratories Ltd. (Formerly M/s. Ortin Laboratories Ltd.), Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.	6 – 7
4.	Annexure–III – Analysis report of water samples collected from trench in the agriculture field of the Petitioner.	8
5.	Annexure–IV – Analysis report of Bore Well & Open well samples collected in the surroundings of the industries.	9 – 10

Place: Hyderabad.

Date: 24-01-2024.



Counsel for 3rd Respondent

**REPORT DATED 24-01-2024 OF TELANGANA STATE POLLUTION CONTROL BOARD
IN OA No.108 OF 2023 FILED BY SRI VASPARI LINGAIAH, S/O. VASPARI
LACHAIAH & OTHERS OF ANTHAMMAGUDEM VILLAGE, JIBLAKPALLY MANDAL,
YADADRI-BHUVANAGIRI DISTRICT.**

It is to submit that Sri Vaspari Lingaiah and others of Anthammagudem Village, Jublakpalli Mandal, Yadadri-Bhuvanagiri District have filed an OA No. 108 of 2023 before the Hon'ble NGT, Chennai praying the Hon'ble Court for compensation from the private respondents (M/s.Shree Jaya Laboratories (P) Ltd., and M/s.Vineet Laboratories (P) Ltd), for prosecution of private respondents and for appointing Joint Committee consisting of CPCB, IICT, Hyderabad, ICAR, Delhi or any Agriculture Research Institute to assess the reasons and quantum of loss caused to the Applicants and also for suggesting restoration measures.

Earlier, the Respondent Board filed a report dated: 04.12.2023 before the Hon'ble NGT submitting the Board Officials along with the Task Force Committee members will re-inspect the Respondent industries and the action taken report will be filed before the Hon'ble National Green Tribunal (SZ) for necessary action.

The Hon'ble NGT vide order dated 20.11.2023 reviewed the matter and directed the Board to carryout inspection by the members of the Task Force Committee and file the report.

The Task Force Committee Member of the Board, Dr.P.Sridhar, Asst., Professor, National Institute of Technology (NIT), Warangal has inspected the industries along with the Board officials on 16.12.2023 and the following observations were made:

I. M/s. Shree Jaya Laboratories (P) Ltd:

- The unit is located at Sy.No. 299 & 299/AA, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District and is carrying out manufacturing of Bulk drugs.
- During inspection, the industry was in operation.
- The industry has provided single stage scrubbers for existing Agitated Thin Film Dryer (ATFD). The industry is not yet installed new ATFD as civil construction work of Multiple Effect Evaporator (MEE) and ATFD are under progress. The industry representative informed that installation of New MEE and ATFD will be completed in 90 days.
- The industry has provided single stage scrubber followed by vent condenser to HCL tank.

- The industry has to replace flexible pipelines with permanent pipelines.
- During inspection, no specific odour was observed.
- During inspection, no discharges of effluents were observed. However, the water present in the trench was in black colour. The industry proposed to provide trench in the industry premises towards trench dug by the Sri V. Lingaiah, Pettioner.
- The industry has not yet installed the Bag Filters for existing 6 TPH Boiler. The industry representative informed that installation of New 10 TPH Boiler is under progress and same will be completed within 2 months . After commissioning of the 10 TPH Boiler, the bag filter attached to 10 TPH and 6 TPH Boiler as common Air Pollution Control Equipment (APCE). The existing 6 TPH will be used as standby.

II. M/s. Vineet Laboratories Ltd. (Formerly M/s. Ortin Laboratories Ltd.):

- The unit is located at Sy. No. 300, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District.
- During inspection, the industry was in operation.
- The industry is having stripper, MEE system (3 stage & 30 KL), ATFD and RO system (5 KL). The Board vide order dt.02.11.2022 directed to construct & commission the Biological ETP within 3 months. However, the Bio-logical ETP not yet commissioned even after 13 months time. Only civil works under progress.
- The industry is still using flexible pipes to transfer the chemicals / raw materials within the plant premises.
- Odour was observed at production blocks.
- The industry has not taken additional measures to rectify / replace APCE attached to the Boiler to meet the boiler emission standards.
- Effluents / Chemicals spillages were observed at production blocks.
- The industry has to improve the housekeeping at production blocks.
- The industry has to dispose the hazardous waste regularly without stocking to avoid any smell problems.

During the inspection, samples were collected from the industries, surrounding bore wells / open wells and soil located within 100 mtrs radius outside of the respondent industries. The samples received are analyzed for physio chemical parameters. Further, the samples are also being analyzed for finger print analysis to ascertain the source of contamination.

The analysis of the samples from the industry indicate the following:

I. M/s. Shree Jaya Laboratories Pvt Ltd.:

- The analysis of the samples collected from various units of the ZLD system indicate that the ZLD system is effectively functioning and RO permeate can be reused for various purposes within the industry. (**Annexure – I**).

II. M/s. Vineet Laboratories Pvt Ltd.,:

- The analysis of the samples collected from various units of the ZLD system indicate that the ZLD system is effectively functioning and RO permeate can be reused for various purposes within the industry. (**Annexure – II**).

III. Waste Water Sample from trench in the agriculture filed of Sri Vaspari Lingaiah (Petitioner):

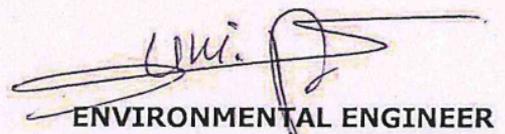
- The trench is located behind southern boundary wall of M/s. Shree Jaya Laboratories Pvt Ltd. The analysis indicate the TDS – 3,867 mg/l, COD – 688 mg/l and BOD – 91 mg/l and the same could be seepages from M/s. Shree Jaya Laboratories Pvt Ltd., (**Annexure – III**).

IV. Bore well & Open well samples collected in the surroundings of the industries (Annexure – IV):

- The analysis of the Bore well / Open well samples collected from the surroundings of the industries show the TDS ranging from 457 mg/l to 4,739 mg/l and COD ranging from 24 to 436 mg/l which indicates that the ground water is contaminated.
- To ascertain the source of contamination, the Board is carrying out finger print analysis. The analysis reports are awaited.
- Based on the finger print analysis, the Board will initiate necessary action against the industries.

Place: Nalgonda

Date: 24.01.2024.


ENVIRONMENTAL ENGINEER

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



4

CENTRAL LABORATORY
FORM - X
(See Rule 26)

Report No: SR/10/TSPCB/HO/R00/LAB/23/12/416-421
Issue date: 27/12/2023
Page No. 1 of 1

I hereby certify that I, Dr. M.S. Satyanarayana Rao, State Board Analyst duly appointed under Sub-section (3) of Section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on 18/12/2023 and collected on 16/12/2023 by M. Kavitha AS, Central laboratory, TSPCB a 1 Ltr. sample of M/s. Shree Jaya Laboratories Pvt Ltd., Sy.no.299, Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.

Sample code : Sample details / collection point

23/12/416 - ATFD Condensate
23/12/417 - HTDS (Stripper Feed)
23/12/418 - MEE Concentrate
23/12/419 - MEE Condensate
23/12/420 - LTDS
23/12/421 - RO Permeate

The sample was in a condition fit for analysis reported below:

The condition of the seals, fastening and container on receipt was intact

I further certify that I have analysed the above mentioned sample on 19/12/2023 to 27/12/2023 and declare the results of the analysis to be as follows.

Parameter	Method (*) No.	Unit	Results					
			23/12/416	23/12/417	23/12/418	23/12/419	23/12/420	23/12/421
pH	4500-B	-	8.05	6.38	8.71	6.35	9.06	8.12
Total Suspended Solids	2540-D	mg/l	155	790	443	86	70	10
Total Dissolved Solids	2540-C	mg/l	1600	69,750	1,35,200	1,280	2,826	295
Chemical Oxygen Demand	5220-B	mg/l	13,168	74,482	87,650	10,288	13,168	36

Note: Results related to sample as received.
(* Standard methods of APHA, 24th Edition.

Signed this: 27/12/2023
Address:
Central Laboratory
TSPCB Hyderabad

Board Analyst



5

CENTRAL LABORATORY
FORM - X
(See Rule 26)

Report No: SR/10/TSPCB/HO/R00/LAB/23/12/422-427
Issue date: 27/12/2023
Page No. 1 of 1

I hereby certify that I, Dr. M.S. Satyanarayana Rao, State Board Analyst duly appointed under Sub - section (3) of Section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on 18/12/2023 and collected on 16/12/2023 by M. Kavitha AS, Central laboratory, TSPCB a 1 Ltr. sample of M/s. Shree Jaya Laboratories Pvt Ltd., Sy.no.299, Malkapur (V), Choutuppal (M), Yadadri Bhuvanagiri District.

Sample code : Sample details / collection point

- 23/12/422 - RO Rejects
- 23/12/423 - RO Inlet
- 23/12/424 - Cooling Tower - MEE
- 23/12/425 - Cooling Tower - ATFD
- 23/12/426 - Cooling Tower at Production Block - 3
- 23/12/427 - Cooling Tower - Block - 4

The sample was in a condition fit for analysis reported below:

The condition of the seals, fastening and container on receipt was intact

I further certify that I have analysed the above mentioned sample on 19/12/2023 to 27/12/2023 and declare the results of the analysis to be as follows.

Parameter	Method (*) No.	Unit	Results					
			23/12/422	23/12/423	23/12/424	23/12/425	23/12/426	23/12/427
pH	4500-B	-	7.71	7.58	7.7	7.65	7.45	7.82
Total Suspended Solids	2540-D	mg/l	188	115	46	90	59	65
Total Dissolved Solids	2540-C	mg/l	4,200	2,768	1,816	2,380	1,882	1,823
Chemical Oxygen Demand	5220-B	mg/l	473	336	177	193	239	210

Note: Results related to sample as received.
(* Standard methods of APHA, 24th Edition.

Signed this: 27/12/2023
Address:
Central Laboratory
TSPCB Hyderabad


Board Analyst



6

ANNEXURE - II

CENTRAL LABORATORY
FORM - X
(See Rule 26)

Report No: SR/10/TSPCB/HO/R00/LAB/23/12/428-432
Issue date: 27/12/2023
Page No. 1 of 1

I hereby certify that I, Dr. M.S. Satyanarayana Rao, State Board Analyst duly appointed under Sub - section (3) of Section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on 18/12/2023 and collected on 16/12/2023 by M. Kavitha AS, Central laboratory, TSPCB a 1 Ltr. sample of M/s. Vineet Laboratories Ltd., Sy.no.300, Malkapur (V), Yadadri Bhuvanagiri District.

Sample code : Sample details / collection point

23/12/428 - HTDS (Stripper Feed)
23/12/429 - LTDS
23/12/430 - MEE Condensate Collection tank
23/12/431 - MEE Concentrate
23/12/432 - ATFD Condensate

The sample was in a condition fit for analysis reported below:

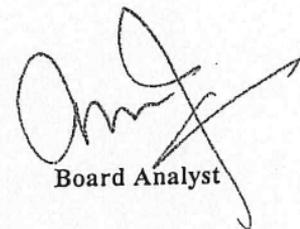
The condition of the seals, fastening and container on receipt was intact

I further certify that I have analysed the above mentioned sample on 19/12/2023 to 27/12/2023 and declare the results of the analysis to be as follows.

Parameter	Method (*) No.	Unit	Results				
			23/12/428	23/12/429	23/12/430	23/12/431	23/12/432
pH	4500-B	-	5.15	5.31	6.76	4.85	7.01
Total Suspended Solids	2540-D	mg/l	478	67	35	412	82
Total Dissolved Solids	2540-C	mg/l	19,941	2915	974	42,300	1,520
Chemical Oxygen Demand	5220-B	mg/l	45,200	3,140	4,979	58,800	7,777

Note: Results related to sample as received.
(*) Standard methods of APHA, 24th Edition.

Signed this: 27/12/2023
Address:
Central Laboratory
TSPCB Hyderabad


Board Analyst



7

CENTRAL LABORATORY
FORM - X
(See Rule 26)

Report No: SR/10/TSPCB/HO/R00/LAB/23/12/433-436
Issue date: 27/12/2023
Page No. 1 of 1

I hereby certify that I, Dr. M.S. Satyanarayana Rao, State Board Analyst duly appointed under Sub - section (3) of Section 53 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) received on 18/12/2023 and collected on 16/12/2023 by M. Kavitha AS, Central laboratory, TSPCB a 1 Ltr. sample of M/s. Vineet Laboratories Ltd., Sy.no.300, Malkapur (V), Yadadri Bhuvanagiri District.

Sample code : Sample details / collection point

- 23/12/433 - RO Permeate
- 23/12/434 - RO Rejects
- 23/12/435 - Cooling Tower - Block - I
- 23/12/436 - Cooling Tower - MEE Plant

The sample was in a condition fit for analysis reported below:

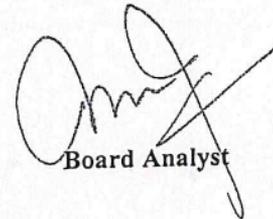
The condition of the seals, fastening and container on receipt was intact

I further certify that I have analysed the above mentioned sample on 19/12/2023 to 27/12/2023 and declare the results of the analysis to be as follows.

Parameter	Method (*) No.	Unit	Results			
			23/12/433	23/12/434	23/12/435	23/12/436
pH	4500-B	-	6.97	6.85	7.55	7.84
Total Suspended Solids	2540-D	mg/l	22	370	45	15
Total Dissolved Solids	2540-C	mg/l	202	5382	1250	855
Chemical Oxygen Demand	5220-B	mg/l	12	1317	239	68

Note: Results related to sample as received.
(*) Standard methods of APHA, 24th Edition.

Signed this: 27/12/2023
Address:
Central Laboratory
TSPCB Hyderabad


Board Analyst



CENTRAL LABORATORY

Analysis Report

Reg. No. SR/05/TSPCB/HO/R00/LAB/23/12/408
Collected on: 16/04/2023
Test method: Standard Methods of APHA, 24th Edition
Issue date: 27/12/2023

Collected by: R. Balu Naik, ES, Central lab
Received on: 18/12/2023
Quantity of the sample: 1Ltr. Sample
Page No.: 1 of 1

Source: Waste water sample collected from a trench in agricultural field of Sri. Vasupari Lingaiah behind Southern boundary wall of M/s. Shree Jaya Laboratories Pvt Ltd.,

Sample code : Sample details / collection point

23/12/408 - Waste water sample collected from a trench in agricultural field of Sri. Vasupari Lingaiah behind Southern boundary wall of M/s. Shree Jaya Laboratories Pvt Ltd.,

Parameters	Method (*) No.	Unit	Results
			23/12/408
pH at 25°C	4500-B	-	7.56
Total Suspended Solids	2540-B	mg/L	32
Total Dissolved Solids	2540-C	mg/L	3,867
COD	5220-B	mg/L	688
BOD 3 at 27°C	IS 3025, 1993	mg/L	91
Oil and Grease	5520 - B	mg/L	2.3

Note: Results related to sample as received.

Remarks: The sample is having high TDS and COD values.

Joint Chief Environmental Scientist

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



9

ANNEXURE - IV

CENTRAL LABORATORY

Analysis Report

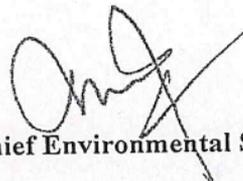
Reg. No. SR/05/TSPCB/HO/R00/LAB/2023/23/12/401- 403
Collected on: 16/12/2023
Test method: Standard Methods of APHA, 24th Edition
Issue date: 30/12/2023

Collected by: Central Lab, officials
Received on: 18/12/2023
Quantity of the sample: 1 Ltr. sample each
Page No: 1 of 1

- Sample code : Sample details / collection point
- 23/12/401 - Unused Bore-well in Agricultural land (presently uncultivated) of Sri. GopiAilaiah Sy.No. 294, Malkapur (V), Choutuppall (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'25.4"N & 78°49'15.9"E)
 - 23/12/402 - Unused open well in Agricultural land (presently uncultivated) of Sri. GopiAilaiah Sy.No. 294, Malkapur (V), Choutuppall (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'24.8"N & 78°49'16.8"E)
 - 23/12/403 - Unused open well sy.no.298, RavulaVenkatesham, Malkapur (V), Choutuppall (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'28.3"N & 78°49'19.0"E)

	Unit	Method No.	Results			Drinking water standards as per IS 10500: 2012	
			23/12/401	23/12/402	23/12/403	Acceptable Limit	Permissible Limit
pH	-	4500-B	7.46	7.6	6.94	6.5-8.5	No relaxation
Electrical conductivity	µS/cm	2510-B	8135	6334	4636	-	-
Total Dissolved Solids	mg/L	2540 C	4739	3875	2764	500	2000
Total Suspended Solids	mg/L	2540-D	60	16	29	-	-
Total Alkalinity as CaCO ₃	mg/L	2320 B	340	240	576	200	600
Chlorides as Cl ⁻	mg/L	4500-Cl-B	1292	1252	777	250	1000
Sulphates as SO ₄ ⁻²	mg/L	4500-SO4-2 B	870	640	460	200	400
Total Hardness as CaCO ₃	mg/L	2340 C	2180	1940	1580	200	600
Calcium as Ca ⁺²	mg/L	3500-Ca B	624	536	432	75	200
Magnesium as Mg ⁺²	mg/L	3500-Mg B	151	146	122	30	100
Phosphates	mg/L	4500-P,D	0.173	0.121	0.133	-	-
Potassium as K	mg/L	3500-K B	13	8	1	-	-
Sodium as Na	mg/L	3500-Na B	434	428	294	-	-
SAR	-	-	4.0	4.2	3.2	-	-
%Sodium	%		30	32	29	-	-
Chemical Oxygen Demand	mg/L	5220 B	416	252	220	-	-

Note: Results related to sample as received.


Joint Chief Environmental Scientist



CENTRAL LABORATORY

Analysis Report

Reg. No.SR/05/TSPCB/HO/R00/LAB/2023/23/12/404- 407
Collected on: 16/12/2023
Test method: Standard Methods of APHA, 24th Edition
Issue date: 30/12/2023

Collected by: Central Lab, Officials
Received on: 18/12/2023
Quantity of the sample: 1 Ltr. sample each
Page No: 1 of 1

- Sample code : Sample details / collection point
- 23/12/404 - Unused Open well in agricultural field of VasupariLaxmaiah sy.no.302, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'35.5"N & 78°49'18.2"E)
 - 23/12/405 - Borewell Agricultural field (presently uncultivated)of Vasuparijangaiah s/o Bhikshapathi, Sy.No.305, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'40.0"N & 78°49'09.0"E)
 - 23/12/406 - Unused borewell in the barren land of Vasupari Narsimha S/O Lachaiah Sy.no.305, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'41.6"N & 78°49'05.0"E)
 - 23/12/407 - Borewell in barren land of Vasupari Tirumalesh s/o V. Narsimha syno.287, Malkapur (V), Choutuppal (M), Yadadri-Bhuvanagiri District, (GPS Coordinates 17°17'42.0"N & 78°49'02.8"E)

Parameters	Unit	Method No.	Results				Drinking water standards as per IS 10500: 2012	
			23/12/404	23/12/405	23/12/406	23/12/407	Acceptable Limit	Permissible Limit
pH	-	4500-B	7.14	6.91	7.69	7.66	6.5-8.5	No relaxation
Electrical conductivity	µS/cm	2510-B	6881	7721	834	1009	-	-
Total Dissolved Solids	mg/L	2540 C	4195	4521	457	634	500	2000
Total Suspended Solids	mg/L	2540-D	70	153	<5	<5	-	-
Total Alkalinity as CaCO ₃	mg/L	2320 B	388	596	316	376	200	600
Chlorides as Cl ⁻	mg/L	4500-Cl-B	1878	1908	40	55	250	1000
Sulphates as SO ₄ ⁻²	mg/L	4500-SO4-2 B	286	171	80	81	200	400
Total Hardness as CaCO ₃	mg/L	2340 C	2980	3440	336	348	200	600
Calcium as Ca ⁺²	mg/L	3500-Ca B	336	592	53	38	75	200
Magnesium as Mg ⁺²	mg/L	3500-Mg B	519	476	50	61	30	100
Phosphates	mg/L	4500-P,D	0.117	0.151	0.158	0.052	-	-
Potassium as K	mg/L	3500-K B	1	0.97	1	0.89	-	-
Sodium as Na	mg/L	3500-Na B	161	108	34	53	-	-
SAR	-	-	1.3	0.8	0.8	1.2	-	-
%Sodium	-	%	10	6.0	18.0	25.0	-	-
Chemical Oxygen Demand	mg/L	5220 B	268	436	44	24	-	-

Note: Results related to sample as received.


Joint Chief Environmental Scientist

