

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH

Original application No.317/2022

Bachu Naga Venkateswara Rao & Ors

Applicant

Versus

State of Andhra Pradesh

Respondent

INDEX

S.No	Particulars	Page No.
1	Status report	1-3
2	Photographs of Slaughter house modernization Annexure- A	4
3	Photographs of ETP under progress Annexure- B	5
4	Photographs of lairage Annexure- C	6
5	Monitoring reports Annexure- D Water Analysis Reports: D1	7-8
	Air Analysis Reports: D2	9



Place: Eluru
Date: 31-10-2022

Environmental Engineer, APPCB,
Regional Office, Eluru.

**STATUS REPORT OF A.P. POLLUTION CONTROL BOARD IN THE MATTER OF
O.A.NO.317 OF 2022(PB).**

1. The Original Application (O.A.) No.317 of 2022(PB) has been registered in Hon'ble National Green Tribunal (NGT), New Delhi based on email sent by Mr. Bachu Naga Venkateswara Rao & Ors. Eluru, Andhra Pradesh in the matter of running Municipal Slaughter house in Town Survey No.1707/3 in municipal area of 10th Ward, Madepalli, Bhimavaram Road, Eluru, Andhra Pradesh.
2. The Hon'ble NGT in its Order dt.10.05.2022 constituted a Joint Committee comprising of CPCB, State PCB and Collector, Eluru and directed to verify the factual position, look into the grievances of the applicants and take remedial action in accordance with law by following due process within one month from the date of receipt of a copy of this order. The State PCB will be the Nodal agency for coordination and compliance. The case is posted to 04.08.2022.
3. The Joint Committee met on 06.07.2022 and visited the Slaughter house operated by Eluru Municipal Corporation. The report dt.29.07.2022 of the joint committee was filed before Hon'ble Tribunal.
4. The Hon'ble NGT (Principal Bench) heard the matter on 04.08.2022 and directed the Andhra Pradesh Pollution Control Board (APPCB) to file further report with details regarding compliance with directions given by Hon'ble Supreme Court vide order dated 23.08.2012 in W.P. (Civil) No.309/2003
5. The present status of the municipal slaughter house is submitted below:

1.	Name and location of the unit	Slaughter House Operated By Eluru Municipal Corporation, RS No.1767/3,10 th Division Madepalli road, Eluru.
2.	Production activity	Slaughtering of Goat/Sheep – 150 nos per day
3.	Consent status	The consent for operation of the Board validity upto 16.01.2023.
4.	Effluent quantity	Process and washings – 3 KLD Domestic – 0.2 KLD
5.	Effluent treatment plant details	The construction of Effluent Treatment Plant of slaughter house is under progress. Civil works completed. Mechanical and Electrical works are to be carried out. The ETP consists of unit operations: Collection tanks, Bar screen chambers – 1 Nos, oil & grease tank, equalization tank, aeration tanks- 1 & 2, sludge settling tank, sludge holding tank, multi-grade filters (carbon & sand) and treated effluent holding tank. The photographs are enclosed as Annexure-B. After treatment, the facility is utilizing treated waste water for greenbelt purpose within the premises.

6.	Disposal point of treated effluents	<ul style="list-style-type: none"> • The Eluru Municipal Corporation (EMC) was directed to send the effluents to effluent treatment plant of another slaughter house namely M/s. Laham food products Pvt. Ltd, through dedicated tankers till providing full-fledged ETP in their premises. Accordingly, the EMC is transporting effluents to ETP of M/s. Laham food products Pvt. Ltd for treatment and disposal. • Once the ETP is commissioned, the treated effluent is utilized for onland for gardening within the premises of slaughter house.
7.	Solid waste quantities	About 80 to 100 Kgs per day of dung is generated only as Solid Waste. The goat dung, stains of blood during peeling of skin and hides generated.
8.	Solid waste disposal details	The solid waste from slaughter house is being sent to compost yard located at Ponangi, Eluru. The compost is converted as manure and is being utilized for agriculture & horticulture purpose and greenery of Municipal Corporation limits.
9.	Status of Modernization	<p>In compliance to Hon'ble Supreme Court order dated 23.08.2012 in W.P.No.309 © of 2003, the EMC has taken up modernization of existing slaughter house utilizing 15th finance commission funds. In modernization of Slaughter house operations, the works to maintain hygienic conditions such as provided hygienic flooring, minimum hand touch operations, containment of waste water and its passage, containment of solid waste and its utilization after compost. The modernization works of existing slaughter house with an estimated amount of Rs.1,00,00,000/- (Rupees One Crore only) as per Food Safety and Standards Authority of India (FSSAI) are under progress. The civil works for modernization are completed. Internal CC roads also formed. The mechanical and electrical works of effluent treatment plant (ETP) are in progress.</p> <p>The modernization works were expected to be completed by 30.09.2022, but the same is delayed. It was observed that the Municipal Corporation has arranged lairage with ventilated shed and provided fodder and water within sheds for rest before slaughtering. No animal was observed in tied position. The vehicle carrying goats has proper arrangements.</p> <p>The photographs are enclosed as Annexure-C.</p>

10.	General observations	There was no persistent odour prevailed within or outside of slaughter house since it is not a continuous operating (24 X 7) abattoir. The Slaughter house is operating during 4.30 AM to 7.30 AM (3 hrs) daily for operations of de-heading and skin peeling for carcass in the supervisory of Municipal Corporation for concern of Public health. The de boning and consumer requirement of quantity is being carried at domestic markets by individual butchers for their livelihood. The individual butchers are selling the meat of goats maximum @ 2 Nos carcasses having gross weight of 25 Kgs of meat (2 Nos). It is also submitted that there is no Cold Storage or preservation establishments within slaughter house premises since it is Butcher Slaughter House.
11.	Water and Air quality monitoring data	<ul style="list-style-type: none"> i. The EMC slaughter house is presently transporting raw effluents through tankers to the ETP of M/s. Laham food products Pvt. Ltd for treatment and disposal. ii. Samples from three bore wells in the surroundings of slaughter house were collected and the reports are enclosed as Annexure- D1. It was revealed from analysis reports that the water is not contaminated by chemical/micro biological agents. iii. Ambient Air Quality monitoring was carried out at 18.10.2022 and the monitoring report is enclosed as Annexure-D2. The air quality parameters are within the CPCB standards.

The status report is submitted in compliance to Hon'ble National Green Tribunal order dt. 04.08.2022 in O.A No. 317/2022 (PB) for kind consideration.

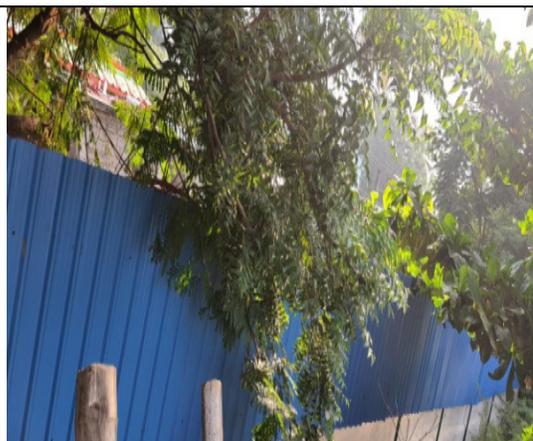


Place: Eluru
Date:31-10-2022

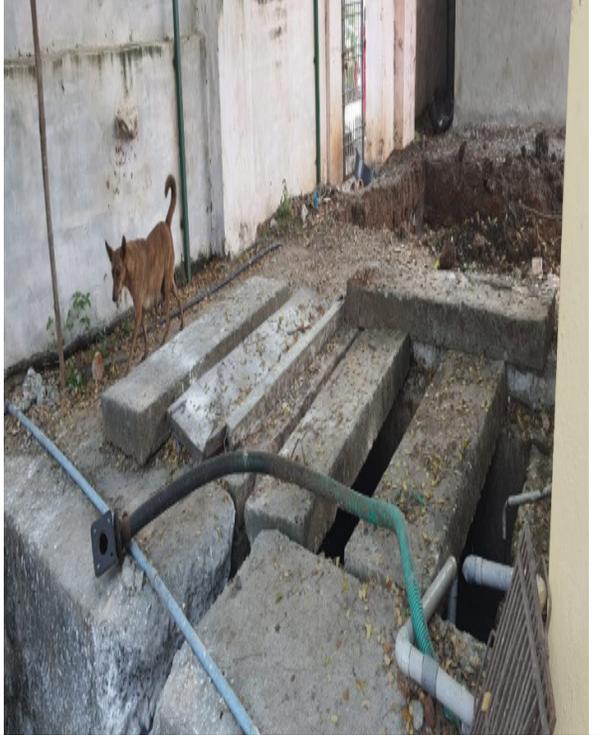
Environmental Engineer, APPCB,
Regional Office, Eluru.

Annexure -A

INSPECTION PHOTOS OF MODERNIZATION OF EXISTING SLAUGHTER HOUSE

 <p>Oct 27, 2022 10:09:02 Eastern Street Paidichintapadu Eluru West Godavari Andhra Pradesh</p>	
<p>Modernization of Slaughter House.</p>	<p>Skin Peeling Arrangements For carcasses</p>
	
<p>Hygienic Flooring Inside the Slaughter House Hall</p>	<p>Floor washings containment collection Pipe line.</p>
	
<p>Cement Roads within Slaughter house premises</p>	<p>Installation iron sheets towards Road side</p>

Annexure -B

	
<p>Civil structure of Effluent Treatment Plant Section Wise</p>	<p>Sludge drying beds</p>
	
<p>Waste Water collection sump with pipeline</p>	

Annexure –C

Photographs of lairage



Ventilation fodder and water arrangements at lairage.



Transport vehicle for Goats



**ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL LABORATORY – VIJAYAWADA**

Plot No.41, Sri Kanakadurga Officers' Colony,
Gurunanak Road, Vijayawada-520008

**K.SRINIVAS, M.Sc., M.Tech.,
Senior Environmental Scientist**

e.mail: zovjalab-ses1@appcb.gov.in
Tel No: 0866-2546218

Water & Waste Water Test Report

Report No	2210W005	Report Date	28.10.2022
Sample code	Y2210202 & 203	Test Completion Date	28.10.2022
Sample Collected date	18.10.2022	Sample Received Date	19.10.2022
Sample Collected by	Environmental Engineer, RO – Eluru (NGT Case).		
Name & Address of the Customer	Environmental Engineer, RO – Eluru.		
Sample Reference	Hon'ble NGT in O.A.No. 317 of 2022 Eluru Slaughter House Case – Water samples of Bore wells.		
Description of Sample	Y2210202 – Bore well water sample within the Slaughter House, Thoorpuveedi, Eluru, Eluru District. Y2210203 – Bore well water sample in the House of Sri. Mandala Tirupathi Rao, Thoorpuveedi, Eluru, Eluru District and it is 158m distance from the Slaughter House.		

S.No	Parameter (s) / Name of Test	Test Method	Units	Sample Code		Drinking water specifications as per IS : 10500 : 2012 (Permissible Limit)
				Y2210 202	Y2210 203	
1	pH	APHA (23 rd Edition) 4500 – H+B:2017	----	7.30	7.24	6.5 – 8.5
2	Electrical Conductivity	APHA (23 rd Edition) 2510-B: 2017	µS/cm	3409	3387	----
3	Total Dissolved Solids	APHA (23 rd Edition) 2540 – C:2017	mg/L	2080	2058	2000
4	Chemical Oxygen Demand (COD)	APHA (23 rd Edition) 5220-B: 2017	mg/L	20	16	----
5	Biochemical Oxygen Demand (BOD) For 3days @ 27 °C	IS 3025 (Part 44): 1993	mg/L	BDL	BDL	----
6	Alkalinity	APHA (23 rd Edition) 2320-B: 2017	mg/L	600	592	600
7	Total Hardness	APHA (23 rd Edition) 2340-C: 2017	mg/L	364	376	600
8	Calcium (Ca ²⁺)	APHA (23 rd Edition) 3500-Ca B: 2017	mg/L	69	64	200
9	Magnesium (Mg ²⁺)	APHA (23 rd Edition) 3500-Mg B: 2017	mg/L	47	52	100
10	Chlorides	APHA (23 rd Edition) 4500-Cl B: 2017	mg/L	420	375	1000
11	Sulphates	APHA (23 rd Edition) 4500-SO ₄ E: 2017	mg/L	181	177	400
12	Nitrate as NO ₃	APHA (23 rd Edition) 4500-NO ₃ -B: 2017	mg/L	150	132	45
13	Phosphates as P	APHA (23 rd Edition) 4500-P D: 2017	mg/L	BDL	BDL	----
14	Fluoride	APHA (23 rd Edition) 4500-F & D: 2017,	mg/L	0.56	0.78	1.5
15	Total Coliform	APHA (23 rd Edition) 9221-B : 2017	MPN/ 100ml	43	39	Shall not be detectable in any 100ml sample
16	Fecal Coliform	APHA (23 rd Edition) 9221-E : 2017	MPN/ 100ml	Absent	Absent	Shall not be detectable in any 100ml sample

BDL – Below Detectable Limit.

Remarks: The water is not contaminated by chemical/microbiological agent.

Note:

- ❖ The contents of the report shall not be reproduced either in full or in part without prior written consent of the issuing authority.
- ❖ The results relate only to the items tested.

K. Srinivas
SENIOR ENVIRONMENTAL SCIENTIST



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL LABORATORY – VIJAYAWADA

Plot No.41, Sri Kanakadurga Officers' Colony,
Gurunanak Road, Vijayawada-520008

K.SRINIVAS, M.Sc., M.Tech.,
Senior Environmental Scientist

e.mail: zovjalab-ses1@appcb.gov.in
Tel No: 0866-2546218

Water & Waste Water Test Report

Report No	2210W005	Report Date	28.10.2022
Sample code	Y2210204	Test Completion Date	28.10.2022
Sample Collected date	18.10.2022	Sample Received Date	19.10.2022
Sample Collected by	Environmental Engineer, RO – Eluru (NGT Case).		
Name & Address of the Customer	Environmental Engineer, RO – Eluru.		
Sample Reference	Hon'ble NGT in O.A.No. 317 of 2022 Eluru Slaughter House Case – Water samples of Bore wells.		
Description of Sample	Y2210204 – Bore well water sample in the House of Sri. Kadharvalli, D.No. 7D-2-58, Thoorpuveedi, Eluru, Eluru District and it is 180m distance from the Slaughter House.		

S.No	Parameter (s) / Name of Test	Test Method	Units	Sample Code	Drinking water specifications as per IS : 10500 : 2012 (Permissible Limit)
				Y2210204	
1	pH	APHA (23rd Edition) 4500 – H*B:2017	----	7.61	6.5 – 8.5
2	Electrical Conductivity	APHA (23rd Edition) 2510-B: 2017	µS/cm	3240	----
3	Total Dissolved Solids	APHA (23rd Edition) 2540 – C:2017	mg/L	1980	2000
4	Chemical Oxygen Demand (COD)	APHA (23rd Edition) 5220-B: 2017	mg/L	12	----
5	Biochemical Oxygen Demand (BOD) For 3days @ 27 °C	IS 3025 (Part 44): 1993	mg/L	BDL	----
6	Alkalinity	APHA (23rd Edition) 2320-B: 2017	mg/L	568	600
7	Total Hardness	APHA (23rd Edition) 2340-C: 2017	mg/L	370	600
8	Calcium (Ca ²⁺)	APHA (23rd Edition) 3500-Ca B: 2017	mg/L	67	200
9	Magnesium (Mg ²⁺)	APHA (23rd Edition) 3500-Mg B: 2017	mg/L	48	100
10	Chlorides	APHA (23rd Edition) 4500-Cl B: 2017	mg/L	390	1000
11	Sulphates	APHA (23rd Edition) 4500-SO ₄ E: 2017	mg/L	172	400
12	Nitrate as NO ₃	APHA (23rd Edition) 4500-NO ₃ -B: 2017	mg/L	124	45
13	Phosphates as P	APHA (23rd Edition) 4500-P D: 2017	mg/L	BDL	----
14	Fluoride	APHA (23rd Edition) 4500-F & D: 2017,	mg/L	0.52	1.5
15	Total Coliform	APHA (23rd Edition) 9221-B : 2017	MPN/100ml	43	Shall not be detectable in any 100ml sample
16	Fecal Coliform	APHA (23rd Edition) 9221-E : 2017	MPN/100ml	Absent	Shall not be detectable in any 100ml sample

BDL – Below Detectable Limit.

Remarks: The water is not contaminated by chemical/microbiological agents.

Note:

- ❖ The contents of the report shall not be reproduced either in full or in part without prior written consent of the issuing authority.
- ❖ The results relate only to the items tested.

End of Test Report

K. Srinivas

SENIOR ENVIRONMENTAL SCIENTIST

National Ambient Air Quality Monitoring

Sampling Date	Station	State	4 hourly Value of SO ₂										4 hourly Value of NO ₂							1-Hour Value of NH ₃						
			17_21	21_02	02_05	05_09	09_13	13_17	Day Max	Day Avg	17_21	21_02	02_05	05_09	09_13	13_17	Day Max	Day Avg	17_21	21_02	02_05	05_09	09_13	13_17	Day Max	Day Avg
18.10.2022	Slaughter House, Thoorpuveedi, Eluru, Eluru District.	Andhra pradesh	4.6	4.2	4.3	4.8	5.4	5.2	5.4	4.8	18.8	15.3	13.6	18.5	22.4	20.6	22.4	18.2	16.0	14.8	14.0	18.1	22.6	23.8	23.8	18.2
Standards (24 Hourly Avg.)			80										80							400						

8- hourly Value of RSPM						8- hourly Value of TSPM					
17_02	02_09	09_17	Day Max	Day Avg	63.9	17_02	02_09	09_17	Day Max	Day Avg	147.2
60.2	69.5	61.9	69.5	63.9	138.5	166.8	136.2	166.8	147.2		
100										

All the values are expressed in µg/m³

K. Srinivas
 SENIOR ENVIRONMENTAL SCIENTIST
 28.10.22