

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

Original Application No. 97 of 2021 (SZ)

IN THE MATTER OF:

Ravula Lingaswamy,

Yadadri Bhuvanagiri District and 3 Ors.

...Applicant(s)

Versus

Union of India,

Rep. By its Secretary, MoEF,

New Delhi & Ors.

...Respondent(s)

**REPORT FILED BY THE AGRICULTURE COMMISSIONER RESPONDENT
NO. 4**

SL.NO.	REMARKS	PAGE NO.
1.	REPORT OF AGRICULTURE COMMISSIONER	1-3
2.	ANNEXURE I: SOIL HEALTH CARD OF SY.NO. 242	4
3.	ANNEXURE II: SOIL HEALTH CARD OF SY.NO. 248	5
4.	ANNEXURE III: SOIL HEALTH CARD OF SY.NO. 249	6



COUNSEL FOR THE 4TH RESPONDENT

DATE: 04.04.2024

PLACE: CHENNAI

REPORT OF THE COMMISSIONER OF AGRICULTURE, TELANGANA STATE, HYDERABAD, RESPONDENT No. 04 IN O.A NO. 97 OF 2021 FILED IN THE HON'BLE NATIONAL GREEN TRIBUNAL, SOUTHERN ZONE, CHENNAI, BY SRI RAVULA LINGASWAMY AND THREE OTHERS R/O YADADRI BHUVANAGIRI DISTRICT AGAINST M/S. HAZELO LABS (P) LTD., ANTHAMMAGUDEM(V), POCHAMPALLY (M), YADADRI BHUVANAGIRI DISTRICT REGARDING POLLUTION PROBLEMS.

It is to submit that, Sri Ravula Lingaswamy, s/o Yadaiah, and three others, residents of Anthammagudem village, Yadadri Bhuvanagiri District has filed O.A.No. 97 of 2021 in the Hon'ble National Green Tribunal, Southern Zone, Chennai against the pollution problems caused by M/s. HazeloLabs (p) Ltd., Anthammagudem (V), Pochampally (M), Yadadri Bhuvanagiri District.

In the petition, the main allegation of the petitioner is that, M/s. Hazel Labs (p) Ltd., (Respondent No.6) is causing offensive odour, Air, Water and Soil pollution. Due to bulk drug industry, residents are facing severe physical and financial loss due to the pollution. They also complained about several health issues apart from Ground water pollution, Reduction in agriculture yield, soil pollution, loss of cattle, poultry etc., resulting in damage to the land, water, air causing severe financial loss and unemployment to the local population.

In this regard, the Hon'ble NGT during the hearing held on 9.4.2021 directed the TSPCB to submit a status report regarding functioning of M/s Hazelo Labs, with analysis of water, AAQM, soil, Ground water etc. heard the interim prayers of the petitioner and passed orders dated 03-03-2022.

In this regard, the detailed report regarding Soil Sample and water analysis is furnished below.

The Agriculture Department officials have inspected the fields on 11.03.2022 at survey numbers viz., 242,247,248,249 situated at Jiblakpally Revenue village of Anthammagudem Gram Panchayat and collected Soil (3 samples) and one water sample from Bore well in the fields at survey numbers mentioned above and sent to Soil Testing Laboratory Rajendranagar for analysis. The details of the field inspection is as given below.

- Sri Ravula Lingaswamy, and three others namely, Valluri Kumar, Ravula Srishailam and Banda Kistaiah are not having any agricultural land in the above survey numbers.
- In Survey Number 242 (Total extent is Acres 9-37 Guntas) M/s Hazelo Lab Pvt Ltd is having 9 Acres 13 Guntas land and remaining land is possessed by Gummi Narender Reddy s/o Ranga Reddy i.e., 24 Guntas in 242/e/1 sub survey number (Non Digitally Signed Land by Tahsildar).
- In survey Number 247 (Total Extent is Acres 12.24 Guntas) individual farmers doesn't have agricultural land and total extent is converted as Non Agricultural Land and is possessed by M/s Hazelo Pvt Ltd.
- In survey Number 248 (Total Extent is Acres 10.37 Guntas) M/s Optimus is having 1 acre 4 Guntas NALA land, M/s HAZELO LAB PVT LTD is having 6 acres 31 Guntas NALA land, Gummi Narender Reddy s/o Ranga Reddy 24 Guntas, Vaspari Jangamma w/o Narsimha 18 Guntas, Kandi Yadi Reddy s/o Buchhaiah 1 acre 13 Guntas, Yenugu Srilatha w/o Malla Reddy 10 Guntas , Yenugu Sattamma w/o Ramchandra Reddy 4 Guntas, Vaspari Ramulu s/o Lachhaiah 7 Guntas, Kandi Kamma w/o Buchhi Reddy 6 Guntas agricultural land.
- In survey Number 249 (Total Extent is 19 Acres 9 Guntas) Gummi Narender Reddy s/o Ranga Reddy has 4 Acres 22 Guntas, Valluri NAGIAH S/O Yellaiah 1 Acre 35.5 Guntas, Kandi Yadi Reddy s/o Buchhaiah 1 Acre 21 Guntas, Vaspari Jangamma w/o Narsimha 34.5 Guntas land.

3

➤ Three soil samples were collected on 15th March 2022 from the fields of Gummi Narendra Reddy s/o Ranga Reddy, Vaspari Jangamma w/o Narsimha and Valluri Nagaiah s/o yellaiah representing **Sy. Nos 242, 248 and 249 respectively** and one water sample was collected on 16th March 2022 and submitted soil and water samples at Soil Testing Laboratory, Rajendranagar.

➤ Based on the analytical reports furnished by the Soil Testing Laboratory, the details are given as below.

➤ **Water Quality:**

The sample is having the Very high Electrical Conductivity of 4.06 which is not suitable for irrigation under normal conditions with High Salinity. These are not suitable for irrigation under ordinary conditions. This water can be used occasionally if the soil is permissible and arrangement for adequate drainage facilities and salt tolerance crops should be selected.

➤ **Soil Quality:**

The soil samples were analyzed for the parameters of pH, EC, OC, N, P, K and other micro nutrients. All these 3 soil samples are suitable for raising the crop having a pH range in between 6.5 to 8.0 and the EC (electrical conductivity) is also less than 1.0 which is suitable range for raising the crops.


**Commissioner of Agriculture
Telangana, Hyderabad**



FARMER NAME : Gummi Narendar Reddy
VILLAGE : Jilbackpalli
MANDAL : pochampally
DISTRICT : Yadadri



**GOVERNMENT OF TELANGANA STATE
 DEPARTMENT OF AGRICULTURE
 SOIL HEALTH CARD**



Date: 21.03.2022

Soil Test Results - Soil Testing Laboratory, Rajendranagar

Sl. No.	Lab No.	Sy. No. / Sample Details	Texture	Efferscence (Calcium Status)		pH		Gypsum (T/A) or Lime (Kg/A)	Electrical Conductivity (Millimhos /cm)		Organic Carbon		Available Nitrogen (Kgs / Ac)		Available Phosphorous (P2O5) Kgs / Ac		Available Potassium (K2O) Kgs / Ac		Available Sulphur (ppm)		MICRO-NUTRIENTS								
				Value	Status	Value	Status		Value	Status	Value	Status	Value	Status	Value	Status	Value	Status	Value	Status	Value	Status	Value	Status	Value	Status			
1	1369	242	SCL	Nil		6.73	Neutral	----	0.53	Normal	High	126.75	Medium	31	High	58	Low	6.864	Low	0.444	Low	0.86	High	11.131	High	8.913	High	0.759	High

SL=Sandy Loam, SCL=Sandy Clay Loam, CL=Clay Loam

Assistant Director of Agriculture
 Soil Testing Lab, Rajendranagar

Secondary & Micro Nutrients Recommendations (Through Soil / Through Spray, if deficiency occurs)

→ Zinc (Zn) Zinc sulphate (15-25 kg/ha) (or) Add 5 g of zinc sulphate and 2.5 g of lime to 1 litre of water
 → Iron (Fe) Ferrous sulphate (25-50 kg/ha) (Soil application is preferred) (or) 1% FeSO4 (Spray thrice) 0.5 g → Manganese (Mn) Manganese sulphate (10-25 kg/ha) (or) 1% MnSO4 + 0.25% lime (or) 0.5% MnSO4 (3 sprays)
 → Sulphur (S) S of 20-40 kg/ha (Gypsum 140-280 kg/ha)
 → Copper (Cu) Copper Sulphate (5 kg/ha)
 → Lime (Ca) Application of Lime (6-34q/ha in furrow for each crop is recommended except for low land rice)
 → Organic Manures improve Soil Health Use Saline water after mixing with canal water
 → Excess use of Fertilizer is injurious to soil health and plant growth Recclaim Soda Soil with Gypsum Treat Alkaline soil with Lime
 → The Soda water after treatment with gypsum Treat acidic soil with Lime
 → Organic Manures improve Soil Health Use Saline water after mixing with canal water
 → Adequate Integrated Nutrient Management for healthy soil & enhancing farm income

GO FOR SOIL TESTING **SAVE FERTILIZER** **SAVE SOIL** **SAVE EARTH**

6



GOVERNMENT OF TELANGANA STATE
DEPARTMENT OF AGRICULTURE
SOIL HEALTH CARD

Date: 21.03.2022

FARMER NAME : Valluri Nagaiyah/V. Yelliah
VILLAGE : Jilbackpalli
MANDAL : pochampally
DISTRICT : Yadadri

Soil Test Results -- Soil Testing Laboratory, Rajendranagar

Sl. No.	Lab No.	Sy. No. / Sample Details	Texture	Efferscence (Calcium Status)	pH		Gypsum (T/A) or Lime (Kg/A)	Electrical Conductivity (millimhos /cm)		Organic Carbon	Available Nitrogen Kgs / Ac		Available Phosphorous (P2O5) Kgs / Ac		Available Potassium (K2O) Kgs / Ac		Available Sulphur (ppm)		MICRO-NUTRIENTS									
					Value	Status		Value	Status		Value	Status	Value	Status	Value	Status	Zinc (ppm)	Boron (ppm)	Manganese (ppm)	Ferrous (ppm)	Copper (ppm)							
1	1367	249	SCL	Medium	7.95	Mod Alkali	----	0.49	Normal	High	30.42	Low	1.3	High	17	Low	4.368	Low	0.501	Normal	0.95	High	1.444	Low	5.629	High	1.056	High

SL=Sandy Loam, SCL=Sandy Clay Loam, CL=Clay Loam

Assistant Director of Agriculture
Soil Testing Lab, Rajendranagar

Secondary & Micro Nutrients Recommendations (through Soil - Brown Spots if deficiency noticed)

Zinc (Zn) : Zinc sulphur (15-25 kg/ha) add 5 g of zinc sulphate and 5 g of zinc sulfate and 5 g of zinc sulfate and 5 g of zinc sulfate
Iron (Fe) : Ferrous sulphate (25-50 kg/ha) (Soil application is preferred) or 1% FeSO4 (Spray done) + 0.5%
Sulphur (S) : S @ 20-40 kg/ha (Gypsum 140-280 kg/ha)
Copper (Cu) : Copper Sulphate (5 kg/ha)
Manganese (Mn) : Manganese sulphate (10-25 kg/ha) or 1% MnSO4 + 0.25% lime (or) 0.5% MnSO4 (3 sprays)
Boron (B) : Boron (0.5-1 kg/ha) or 0.5% Borax + 0.25% lime (or) 0.5% MnSO4 (3 sprays)
Nickel (Ni) : Nickel Sulphate (5 kg/ha)
Cadmium (Cd) : Cadmium Sulphate (5 kg/ha)
Cobalt (Co) : Cobalt Sulphate (5 kg/ha)
Molybdenum (Mo) : Molybdenum Sulphate (5 kg/ha)
Selenium (Se) : Selenium Sulphate (5 kg/ha)
Zinc (Zn) : Zinc Sulphate (5 kg/ha)
Iron (Fe) : Ferrous Sulphate (5 kg/ha)
Copper (Cu) : Copper Sulphate (5 kg/ha)
Manganese (Mn) : Manganese Sulphate (5 kg/ha)
Boron (B) : Boron (5 kg/ha)
Nickel (Ni) : Nickel Sulphate (5 kg/ha)
Cadmium (Cd) : Cadmium Sulphate (5 kg/ha)
Cobalt (Co) : Cobalt Sulphate (5 kg/ha)
Molybdenum (Mo) : Molybdenum Sulphate (5 kg/ha)
Selenium (Se) : Selenium Sulphate (5 kg/ha)

GO FOR SOIL TESTING SAVE FERTILIZER SAVE SOIL SAVE EARTH