

No:594/CFO/HBL/FSR/Storage/2024

To,
The District Magistrate,
Bagalkot District

Sir,

Sub : Issue of Fire Safety Recommendation Certificate for the storage of 15318 KL of Ethanol in 09 nos. of tanks at Trualt Bioenergy Limited, Unit-4, Sy.No.36/4 & 36/5, Jalageri Village, Badami Taluk, Bagalkot District.

Ref : 1) No.Ethanol/CR- /2024-25/4953/2 dated 12/11/2024
2) C.No.24/RFO/HR/2024 dated 04/01/2025

Please refer to your letter cited above ref:1 The Regional Fire Officer Hubballi has inspected the site Trualt Bioenergy Limited, Unit-4, Sy.No.36/4 & 36/5, Jalageri Village, Badami Taluk, Bagalkot District from the fire prevention fire fighting and evacuation point of view on 26/11/2024 and submitted his inspection report vide ref:2 Wherein 15318 KL of Ethanol is proposed to be stored in 09 nos. of tanks above the ground level. The following are the particulars:

A. Details of Storage premises

- | | | |
|---|-------------------------------|---|
| 1 | Proposed storage and capacity | : 15318 KL of Ethanol in 09 nos. of tank |
| 2 | Type of Storage | : Above the ground level |
| 3 | Size of room/Magazine | : Not applicable |
| 4 | Area Utilized | : 10162.13 Cu. M. |
| 3 | Address of the premises | : Trualt Bioenergy Limited,
Unit-4, Sy.No.36/4 & 36/5,
Jalageri Village, Badami Taluk,
Bagalkot District |



- 4 Surrounding of the premises
- | | | |
|-------|---|-------------------------------|
| East | : | 10.00 mtrs. wide Factory Road |
| West | : | Agricultural Land |
| North | : | Factory Open Land |
| South | : | Future Distillery Section |
- 5 Accessibility : The premises is accessible from Eastern side.
- 6 Name & Address of the applicant : The Authorized Signatory,
Trualt Bioenergy Limited,
Unit-4, Sy.No.36/4 & 36/5,
Jalageri Village, Badami Taluk,
Bagalkot District

B. On inspection of the site and examination of the plan, the following fire prevention, fire fighting and evacuation measures are recommended and they are absolutely essential :

S.L No	Details (1)	Existing (2)	Recommendations (3)
1	Open space around the storage tanks.	Tank-1704 A Eastern side 04.00 mtrs Western side 06.75 mtrs Northern side 08.00mtrs Southern side 12.50mtrs Tank-1704 B Eastern side 04.00 mtrs Western side 06.75 mtrs Northern side 06.75 mtrs Southern side 08.00mtrs Tank-1704 C Eastern side 06.75 mtrs Western side 04.00 mtrs Northern side 08.00mtrs Southern side 12.50mtrs Tank-1704 D Eastern side 06.75 mtrs Western side 04.00 mtrs Northern side 06.75 mtrs Southern side 08.00mtrs Tank-1704 E Eastern side 08.00 mtrs Western side 06.75 mtrs Northern side 09.25 mtrs Southern side 06.75 mtrs	Requirement is complied with. The open space allowed all around should be maintained free without any further construction.



Tank-1704 F

Eastern side 06.75 mtrs
 Western side 08.00 mtrs
 Northern side 09.25 mtrs
 Southern side 06.75 mtrs

Tank-1701 A

Eastern side 03.02 mtrs
 Western side 04.50 mtrs
 Northern side 04.50 mtrs
 Southern side 03.45 mtrs

Tank-1701 B

Eastern side 03.02 mtrs
 Western side 04.50 mtrs
 Northern side 03.45 mtrs
 Southern side 03.45 mtrs

Tank-1701 C

Eastern side 03.02 mtrs
 Western side 04.50 mtrs
 Northern side 03.45 mtrs
 Southern side 04.50 mtrs

- | | | | |
|---|-------------------------------|---|--|
| 2 | Premises Segregation | Premises is segregated by erecting 02.00 mtrs. dyke wall above that 01.00 mtr. high chain link fencing. | Requirement is complied with. |
| 3 | Fire ring main hydrant system | --- | Recommended to provide ring main yard hydrant system of GI 'C' class pipe of minimum 150 mm dia. along with double headed hydrant outlets for every 40 mtrs. with Hose box containing 2 nos. of RRL of 15 mt length and branch pipe. |
| 4 | Set of Pump | --- | Recommended to provide a set of pump consisting 1 Electrical driven pump of 2850 lpm capacity, 1 diesel driven pump of 2850 lpm capacity and 1 jockey pump of 180 lpm capacity in the pump room. |



5 Water tank storage for the hydrant system. Provided UG tank of 1200000 ltrs. capacity. Adequate

6 Fire Prevention Measures.

1. Items falling under purview of Indian Explosive Rules, 1940 shall be stored in accordance with the conditions prescribed therein.
2. License for possessing use and storing the above items shall be obtained from the appropriate authority as specified in the Indian Explosive Rules 1940.
3. No such articles shall be kept or permitted to be kept outside the premises licensed for.
4. No portion of the storage premises shall be used for dwelling or cooking purposes.
5. No naked lights or articles that cause fire or spark shall be allowed in the storage premises.
6. Nothing shall be done or permitted to be done in the premises that may cause fire or otherwise endanger the public safety.
7. No gas cylinders filled with compressed or liquefied gases shall be stored in the premises.
8. The above items shall not be stored along with other inflammable or combustible substances oxidizing agents or acids. Neither they shall be stored nearby the storage.
9. The premises shall be kept clean and free from inflammable materials, waste, vegetation etc.
10. Dragging or package or bags in the premises shall be prevented.



11. While loading and unloading the engine of the vehicles shall be switched off.
12. Unauthorized persons shall not be allowed to handle the Explosives.
13. Free access to the licensed premises shall be given at all reasonable times to any Fire Officer authorised to ascertain that the conditions of this No objection Certificate are complied with.
14. Security staff shall be employed round the clock to ensure strict compliance to the conditions laid down in this No objection Certificate.
15. COPTA Sec-4 direction No Smoking area smoking here is an offence board should be written in English & Kannada both language shall be prominently displayed at inside the entry/exit of the each floor.

7 Fire Fighting

Recommended to provide -

- (1) minimum 06 nos. of ABC Fire Extinguishers each of 10 kg capacity,
- (2) 04 nos. of Trolley type Foam fire extinguishers each of 50 ltrs. capacity
- (3) 12 nos. of fire buckets each of 9 ltrs. capacity filled with clean dry sand.
- (4) **High velocity sprinkler system to be installed all around the tank. Water sprinkler shall be installed in the loading plant. Ethanol leakage dry pit to be created.**
- (5) 02 nos. of water monitors,
- (6) 12 nos. of yard hydrant around Ethanol storage tank,
- (7) Spark & Leak arrestor and for each storage tanks Foam pourer system shall be installed.



8 Training

Recommended to provide Basic fire fighting training to 40% of employees at R.A.Mundkur Karnataka State Fire & Emergency Services Academy, Bannerghatta Road, Bangalore within the period of 03 months.

9 Fire Order

A notice board in bold letters indicating the action to be taken by the employees in an emergency has been provided. In the notice board the telephone number of Badami Fire Station i.e., 08357-221101 & 101 has been displayed.

The Karnataka Fire & Emergency Services Department has No objection for issue of Fire Safety Recommendation Certificate for the storage of 15318 KL of Ethanol in 09 nos. of tanks above the ground level at Trualt Bioenergy Limited, Unit-4, Sy.No.36/4 & 36/5, Jalageri Village, Badami Taluk, Bagalkot District subject to strict adherence to the conditions as laid down in this Fire Safety Recommendation Certificate. *After full-filling the above recommendations, a Certificate should be obtained by this office.* If at any time any of the conditions are found not complied with and any building or permanent establishments etc, come up near the storage site in due course of time against the rules, this Certificate shall stand withdrawn/cancelled. This Certificate is valid for a period of only one year from the date of issue and is renewable.



Yours faithfully,

CHIEF FIRE OFFICER
Karnataka State Fire and
Emergency Services, Hubballi Zone
HUBBALLI-25.

Copy to :

1. The DGP&DG, KSF& ES, Bengaluru for your kind information sir.
2. The Regional Fire Officer Hubballi Range.
3. The Fire Station Officer, Badami Fire Station.