



**REGD.POST WITH ACK.DUE**

**CONSENT ORDER FOR ESTABLISHMENT**

**Order No.114/PCB/CFE/RO-HYD/HO/2009 - 2288 Dt.07.01.2010**

**Sub: PCB - CFE - M/s. Shasta Bio-Fuels Pvt. Ltd., Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Mahaboobnagar District - Consent for Establishment of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P&C of P) Act, 1981 - Issued - Reg.**

- Ref:**
- 1) Public hearing conducted on 27.6.2009 at Gram Panchayat Office, Rangapuram (V), Peberu (M), Mahaboobnagar District.
  - 2) Environmental Clearance dt. 24.8.2009 issued by MOE&F, GOI.
  - 3) Industry's application received through SWCC on 31.8.2009 and addl. Information on 24.9.2009 & 27.10.2009.
  - 4) R.O's inspection report dt. 30.10.2009
  - 5) CFE Committee meeting held on 5.12.2009

1. In the reference 3<sup>rd</sup> cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to produce the following products with installed capacities as mentioned below, with a project cost of Rs.152.13 Crores.

Sl. No.	Products	Capacity
1.	Rectified Spirit/ Ethanol / ENA (Grain based -Maize / Jowar/ Broken rice - 380 TPD)	150 KLD
2.	Electricity (Coal - 200 TPD OR Rice Husk - 228 TPD)	6.5 MW

2. As per the application, the above activity is to be located at Sy.Nos. 690/AA, 691/AA2 & 692, Rangapuram (V), Peberu (M), Mahaboobnagar District in an area of 25 acres 37 Guntas.
3. The above site was inspected by the Environmental Engineer & Asst. Environmental Engineer, Regional office, Hyderabad, A.P Pollution Control Board on 26.10.2009 and found that the site is surrounded by

**North** : Agricultural lands.  
**South** : Orange / Lemon Garden/ Agricultural lands.  
**East** : Agricultural lands  
**West** : Agricultural lands followed by Krishna Rive basin.

4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT to your unit Under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to manufacture the products as mentioned at para (1) only.**

### SCHEDULE - A

1. Progress on implementation of the project shall be reported to the concerned Regional Office, A.P. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Effluent Treatment Plant (ETP) and Air pollution Control equipments to record energy consumed.
3. The proponent shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec.27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system, only and shall not be allowed to find their way in storm drains or open areas. The industry shall maintain a good housekeeping. All pipe valves, sewers, drains shall be leak proof. Dyke walls shall constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure (s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water Harvesting structure.
9. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.
10. This order is valid for period of 5 years from the date of issue.

### SCHEDULE - B

#### Water:

1. The source of water is Bore well and Krishna River and the maximum permitted water consumption is 3510 KLD.

Sl. No.	Purpose	Quantity (KLD)
a)	Process	1500
b)	Make up water for cooling Tower	1540
c)	Make up water for Boiler	350
d)	D M Plant & Softener regeneration	100
e)	Make up water for CO2 recovery plant	10
f)	Domestic & gardening	10
	<b>Total</b>	<b>3510</b>

**Solid Waste:**

15. The proponent shall comply with the following:

Sl. No	Solid waste	Quantity	Method of disposal
1	DDGS from Decanter	91.7 TPD	Will be sold as cattle feed
2	Ash from boiler	70 TPD (when coal is used) 41 TPD (when rice husk is used)	To brick manufacturers.

16. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

- a) Hazardous waste (Management, Handling and Transboundary Movement), Rules, 2008.
- b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
- c) Rules for Manufacture, Use, Import, Export and Storage of Hazardous micro-organisms/genetically engineered organisms or cells, 1989.

**Other Conditions:**

17. Green belt of width 10 m shall be developed along the boundary of the industry with minimum area of 33% of plant area. Green belt development shall be started along with the construction activity.
18. Ambient Air Quality monitoring stations shall be setup in the down wind direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub>, NO<sub>x</sub> are anticipated in consultation with concerned Regional Office.
19. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be made on quarterly basis and report shall be submitted to concerned Regional Office. The lagoons constructed in the premises shall be away from the river Krishna and Rangapur tank as far as possible.
20. The spent wash shall not be stored more than the permitted days as per CPCB protocol to avoid odour nuisance.
21. The industry shall adopt continuous fermentation technology and spent wash generation shall not exceed 10 KI/KI of rectified spirit. The spent wash after concentration in the multiple effect evaporator to 55% solids shall be incinerated in the spent wash fired / coal fired boilers. The effluent from the boiler blowdown, DM Plant and Softener regeneration after neutralization and treatment and conforming to the prescribed standards shall be used for greenbelt development.
22. The spent wash shall be stored in impervious pucca lagoons with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. The storage of concentrated spent wash shall not exceed 5 days capacity.

23. The recommendations / commitments made during the Public Hearing held on 27.6.2009 at Gram Panchayat Office, Rangapuram (V), Peberu (M), Mahaboobnagar District shall explicitly be followed from pollution control point of view.
24. The proponent shall obtain clearance Ground Water Department / Irrigation Department to draw ground water.
25. The industry shall comply with all the conditions stipulated in the Environmental Clearance dt. 24.8.2009 issued by MOE&F, GOI.

Sd/-  
MEMBER SECRETARY

To  
M/s. Shasta Bio-Fuels Pvt. Ltd.,  
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/// T.C.F.B.O///

  
JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)

8/1/10