



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE : R.C.PURAM

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REGISTERED POST WITH ACK DUE
CONSENT ORDER FOR ESTABLISHMENT

Order No. Pasha-75/PCB/ZO/RCP/CFE/2004

Date: 05.07.2004

Sub - PCB - CFE M/s.R.R. Laboratories, Plot No.206, Phase-II, IDA, Pashamailaram, Patancheru (M), Medak Dist. - Consent for Establishment of the Board for substitute of products under Sect. 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. Your application for Consent for Establishment received through GM, DIC, Sangareddy on Dt. 01.05.2004 at APPCB, R/o Sangareddy.
 2. APPCB, R/o Sangareddy inspection report Dt.07.05.2004.
 3. CFE Clearance Committee meeting held on 18.05.2004 at APPCB, Zonal Office, R.C.Puram.
 4. Industry's letter dt:14.06.2004.
 5. CFE Committee meeting held on 30.06.2004 at APPCB, Zonal Office, R.C.Puram
 6. Industry's letter dt:01.07.2004.

- I. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to manufacture the following products with capacity as mentioned below with a total project cost of Rs. 79 Lakhs (Rupees Seventy nine Lakhs Only)

Products:

- | | |
|---|---|
| 1. Distillation of spent solvents
(Methanol, Ethyl acetate &
Hexane + MIBK) | - 3000 LPD
(each spent solvent @ 1000 LPD) |
| 2. Serine Methyl Ester Hydro Chloride | - 140 Kg/day |
| 3. N-Benzyl Tertiary Butyl Amine | - 475 Kg/day |
| 4. Sodium Acetate | - 500 Kg/day |

- II. As per the application, the industry i.e., M/s.R.R. Laboratories is to be located at Plot No.206, Phase-II, IDA, Pashamailaram, Patancheru (M), Medak Dist
- III. The above site was inspected by the Asst. Environmental Engineer, Regional Office, A.P. Pollution Control Board, Sangareddy and found that the proposed industry is surrounded by NORTH - Cold storage unit; East:- Road, site of M/s.Reddy Industries (I) Pvt. Ltd.; West:. Open plot; SOUTH:-Road, open plot; NORTH-WEST: Rudraram tank located at a distance of 0.5 KM from site.
- IV. The Board, after careful scrutiny of the application, verification report of Regional Officer, representation made by you in the CFE Clearance Committee meeting held on 30.06.2004 at Zonal Office, R.C.Puram and vide your letter dt:01.07.2004 and recommendation of the CFE Clearance Committee, hereby issues CONSENT FOR ESTABLISHMENT to your industry Under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and Under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under. This order is issued to manufacture the products mentioned at para (I) only.
- V. This CFE is issued from pollution control point of view only. Zoning and other regulation are not considered.
- VI. The CFE now issued is subject to the conditions mentioned in Schedule 'A' and 'B'.

Encl: Schedule 'A' & Schedule 'B'

1. Indigenous species of plants shall be planted and maintained around the plant in an area at least 4 times the built-up area of the industry. Green belt development shall be started along with the construction activity.
2. The industry shall install Air pollution control equipment along with the commissioning of the industry.
3. The industry shall discharge domestic effluents into septic tank followed by sub-surface dispersion trenches.
4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below.
 - a. Cooling & Boiler feed
 - b. Domestic purposes.
5. The industry shall install and commission appropriate control equipments for controlling the stack emissions from boiler to the standard prescribed below.
 - a. Particulate matter 115 mg/Nm³.
6. The industry shall provide stack heights for the following as per standards prescribed by MOE&F vide Notification No. GSR 422(E) of 19.5.93 as amended on 31.12.93.
7. The industry shall provide a sampling port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc. The industry shall provide a platform with suitable ladder below 1 meter of sampling port to accommodate three persons with instruments. The industry shall also provide a 5 AMP 250 V plug point on the platform.
8. 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 applicant shall maintain good house keeping both within the factory and in the premises. All pipe valves, sewers, and drains shall be leak proof.
9. The solid waste arising in the premises shall be properly collected and disposed of.
10. There shall not be any perceptible odour outside the industry's premises.
11. All the rules and regulations notified by Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
12. The industry shall submit Environmental Statement by September of every year and this should also form a part of their annual report.
13. The industry shall report progress on implementation of the project to this office and Regional Office, A.P. Pollution Control Board regularly.
14. The applicant shall obtain Consents for operation regularly 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, for operation of the industry, before starting trial production. The Consent for Operation will be accorded only after ensuring compliance of all the conditions stipulated in this order.
15. The applicant shall comply with and carryout conditions issued by the Board in this consent order scrupulously. The applicant is liable for legal action as per the provisions of the relevant Acts in case of non-compliance of any conditions of the consent order.
16. 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 for the purpose of the Act by the Board.

17. The applicant shall exhibit the consent of the Board in the factory premises at a conspicuous place for the information of the inspecting officers of different departments.
18. The industry is liable to pay compensation for any environmental damage caused by it as fixed by the Collector and District Magistrate as civil liability.

SCHEDULE - B

1. The CFE Order shall be valid for a period of 5 years from the date of issue of this order.
2. The industry shall install water meters and flow meters to measure actual water consumption and waste water discharge.
3. The industry shall manufacture only the three fine chemicals and recover solvents (Methanol, Ethyl Acetate, Hexane and MIBK), as permitted by the Board in this CFE Order.
4. The industry shall install two stage PP/FRP scrubbers to scrub the process emissions namely SO₂ and HCl gases. The spent scrubbing solution shall be utilized in ETP for neutralization purpose.
5. The industry shall obtain letters from the suppliers of spent solvents.
6. The industry shall take membership in TSDF, Dindigal and lift the hazardous solid waste to the TSDF regularly.
7. The industry shall install sub condensers for all the reactors to control the process emissions during distillation.
8. The industry shall take all the safety measures and provide fire fighting equipment in the plant.
9. The total waste water generation from the plant shall not exceed 6700 Ltrs/day and as per the following breakup

Process	-	1500 LPD
Washings	-	2200 LPD
Boiler blow down	-	1000 LPD
Domestic	-	2000 LPD
10. The industry shall collect trade effluents of 4700 LPD into lined collection-cum-neutralization tank of 80 KL capacity. After neutralization the trade effluents shall be disposed to 3 KL steam jacketed forced evaporation reactor provided with condenser facility. The condensate water shall be utilized for cooling tower makeup water purposes.
11. The solid waste (residue distillation, forced evaporation salts and ETP sludge) arising in the premises during process shall not exceed the following quantities:

Distillation (Organic) residue	-	240 Kg/day
Forced evaporation salts	-	45 Kg/day
ETP Sludge	-	20 Kg/day
12. All the solid /hazardous waste of 305 Kg/day shall be collected in HDPE bags, stored in a closed shed on an elevated platform with leachate collection system. The collected solid waste shall be lifted to TSDF, Dindigal. Under no circumstances the solid waste is burnt in boiler or sold to parties.
13. The industry shall store the solvents in dedicated tanks. These tanks shall be kept on an elevated platform with roof and provided with proper ventilation and leachate collection system. Under no circumstances the solvent drums stored on naked ground. The industry shall provide impervious lining or concrete with RCC within the shed to store solvents.
14. The domestic effluents of 2000 Lts/day shall be discharged to septic tank followed by sub-surface dispersion trenches.
15. The industry shall not discharge any waste water outside the factory premises or on-land within their premises. The industry shall ensure zero discharge of trade effluents.

16. The industry shall maintain record of effluent generation/day, quantity of effluent pumped to FES along with characteristics of effluents, solid wastes generated /day, condensate water collected/day quantity of condensate water reused etc. and submit the records to the Regional Office, Sangareddy.
17. The industry shall obtain hazardous waste authorisation under Hazardous Waste (M & H) Rules, 1989 and amendment thereof. Any toxic material container shall be detoxified and disposed as per the conditions stipulated in the authorization under Hazardous Waste (M&H) Rules, 1989 and its amendment thereof.
18. Separate power connection with energy meter shall be provided for the pollution control record of power consumption and chemicals consumption for the operation of pollution control shall be maintained separately.
19. The industry shall maintain the records of spent solvents, received, processed, stored and sold to authorised parties along with invoices, copies of agreement, manifest copies of APPCB along with consent copies and authorization under Hazardous Waste (Management & Handling) Rules.
20. The industry shall transport all the recovered solvents through transport manifest system authenticated by EE, RO, Sangareddy.
21. All the above ground level storage tanks shall be provided with dyke walls and spillage collection pits.
22. The proposed coal fired boiler 1 TPH capacity shall be operated with suitable control equipment for controlling the stack emissions i.e., SPM to the standard 115 mg/m³.
23. The boiler ash shall be disposed off to brick manufacturing units.
24. The industry shall establish appropriate Rain Water Harvesting (RWH) structure / structures on the available up-stream portion of the plant site. The site can approach the State Ground Water Authority, local Municipal / Urban Development Authorities and even private consultants to procure suitable design for these structures. If there is no land available in the industry premises, RWH structures must be raised on the roofs of Administrative Blocks or such buildings where sudden leakages or moisture in the air would not affect the quality of the process or product.
25. The industry shall not manufacture any additional products or additional capacities without approval of the Board.
26. The industry shall obtain CFO of the Board before going for trial production.
27. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate, APPCB as Civil liability.
28. The industry shall comply all the measures suggested by the Hon'ble High Court in connection with W.P.No.19661 of 2002.
29. The industry shall not cause any odour nuisance/air pollution to the surrounding environment.
30. The industry shall produce the product indicated in this Order for a period of at least two years. The CFE application for change of products will be considered only after two years from the date of issue of this order.


JOINT CHIEF ENVIRONMENTAL ENGINEER

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Sl. No.