



ANDHRA PRADESH POLLUTION CONTROL BOARD

'Paryavarana Bhavan', A-3, Industrial Estate, Sanathnagar, Hyderabad - 500 018.

Off : +91-40-23887500

Fax : +91-40-23815631

Grams : "Kalushya Nivarana"

e-mail : info@appcb.org

Website : www.appcb.org

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CONSENT ORDER FOR ESTABLISHMENT

Order No. APPCB/BMWM/2006- 14

Dt. 31.03.2006

Sub:- PCB - CFE - **M/s.G.J.Multiclave (India) Pvt.Ltd., Eadulapally (V), Kothur (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.Your application Dt. 20.07.2005
2.R/O's Inspection report Lr.dt. 16.08.2005

- I. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to set up an incinerator with installed capacity of 200 kgs/hr.
- II. As per the application, the treatment facility is to be located at Survey No.179 & 181, Eadulapally (V), Kothur (M), Mahaboobnagar District.
- III. The above site was inspected by the Regional Office, A.P.Pollution Control Board, Hyderabad on 20.07.2005.
- IV. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT** to your facility under Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. This order is issued for establishment of the incinerator mentioned at para (I) only.
- V. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' and Schedule 'B'.

SCHEDULE – A

1. The facility shall install and commission 30 mts stack for incinerator and Air Pollution control equipment including a wet scrubber.
2. The facility shall provide a sampling port provided with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times of diameter of the stack from the nearest constraint. The facility shall provide a platform with suitable ladder below 1 meter of sampling port to accommodate three persons with instruments. The facility shall also provide 5 AMP 250 V plug point on the platform.
3. All the rules and regulations notified by the Ministry of Environment and Forests, Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
4. A generator shall be installed in a closed area with a silencer and suitable acoustics so as to comply with the ambient noise level standard as mentioned below.
The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.
5. The facility shall install minimum stack height to DG set as per CPCB guidelines. The minimum stack height shall be calculated based on the following formula.
$$H = h \times 0.2 \sqrt{KVA}$$

H = height of stack in meters.
H = height of the building in meters, where DG set is installed.
KVA = Total generator capacity.
6. The facility shall implement the following rules and regulations notified by the MOE&F, GOI.
 - a. Bio Medical Waste (Management & Handling) Rules, 1988.
 - b. Hazardous Waste (Management & Handling) Rules, 1989.
7. The facility shall submit Annual Report to the Board in Form II of BMW Rules 1998 by 31st January every year.
8. The facility shall report progress on implementation of the incinerator to this office and Regional Office, A.P. Pollution Control Board regularly.
9. The applicant shall obtain Consents for Operation regularly from APPCB, as required 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.
10. The applicant shall comply with and carry out conditions issued by the Board in this consent order scrupulously. The applicant is liable for legal action as the provisions of the relevant Acts in case of non-compliance of any conditions of the Consent Order.
11. Notwithstanding anything contained in the conditional letter or consent, the Board hereby reserves its right and power 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 alteration as deemed fit and stipulate any additional conditions for the purpose of the Act by the Board.

12. The applicant shall exhibit the Consent of the Board in the facility premises at a conspicuous place for the information of the inspecting officers of different departments.
13. The facility is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
14. Indigenous species of plants shall be planted and maintained around the plant in an area atleast 4 times the built up area of the Facility. Green belt development shall be started along with the construction activity.

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SCHEDULE - B

1. The proponent shall collect the Bio-Medical waste from the jurisdiction of Hyderabad and Rangareddy Districts only.
2. The facility shall be set up as per the guidelines of CPCB.
3. the proponent shall maintain quality of waste (batch wise) burnt in the incinerator.
4. The common bio-medical waste incinerator shall have following treatment facilities.

Incinerator:

- Incinerator shall be dualchambered i.e primary and secondary chambers.
- Incinerator should be provided with a well-designed scrubber preferably using alkaline solution.
- Incinerator shall have PLC (Programmable Logic Control) based temper-proof control panel display and recording device to measure temperatures and time in both the chambers.
- The incinerator shall have data-logging facility and print out arrangements for temperature, flue-gas pressure etc data. It shall comply with all specifications as per the notification and have a stack height of a minimum of 30 meters.
- The solid waste from the incinerator shall be disposed in a secured landfill designated to ensure non-contamination of the soil and ground water.
- The facility shall make adequate arrangements for scrubbing the emissions from the incinerator for control of odour.
- The incinerator shall meet the operating standards and emission standards as specified in schedule - V of Bio-Medical Waste (Management & Handling) Rules, 1998.

Standards for Incinerators:

The incinerator shall meet the following operation and emission standards:

A. Operating Standards:

1. Combustion efficiency (CE) shall be at least 99.00%.
2. The Combustion efficiency is computed as follows:
$$C.E = \frac{\%CO_2}{\%CO_2 + \%CO}$$
3. The temperature of the primary chamber shall be 800 ± 50 deg.C.
4. The secondary chamber gas residence time shall be at least 1(one) second at $1050 + 50^\circ C.$, with minimum 3% Oxygen in the stack gas.

B. Emission Standards

Parameters	Concentration mg/Nm ³ at (12% CO ₂ correction)
(1) Particular matter	150
(2) Nitrogen Oxides	450
(3) HCl	50
(4) Minimum stack height shall be 30 meters above ground	
(5) Volatile organic compounds in ash shall not be more than 0.01%	

- The proponent shall supply non-halogenated bags to the HCEs for segregation of the Bio-Medical Waste.
- No halogenated plastics should be incinerated in the incinerator.

The emissions shall not contain constituents in excess of the prescribed limits as laid down hereunder

CHIMNEY FOR GENERATOR

Chimney No.	Parameter	Emission standards
1	SPM	115.00 mg/Nm ³
2	SPM	115.00 mg/Nm ³

NOISE LEVELS Day time (6AM to 9 PM) – 75 dB (A)
 Night time (9 PM to 6 AM) 70 db (A)


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MEMBER SECRETARY

- VII. The proponent shall immediately submit the detailed time schedule for the completion of the works and commissioning of the plant. The time schedule shall reach this office within one month from the date of issue of the order, failing which the Consent Order shall be cancelled without further notice.


MEMBER SECRETARY

✓ To :
The Director,
G.J.Multiclave (India) Pvt.Ltd.,
7-1-47/1/A,
Dharamkaran Road,
Ameerpet,
Hyderabad


25-3-07

Copy to: The JCEE, Hyderabad for information and necessary action.
The E.E., R.O., Hyderabad for information and necessary action.