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NOC

WEST BENGAL POLLUTION CONTROL BOARD

Paribesh Bhawan
10A, Block-LA, Sector-III
Salt Lake City, Kolkata-700 098



Dated 11/07/2006

Memo No. 391-2N-68/2005

From:
Member Secretary,
West Bengal Pollution Control Board

To: M/s. SembRamky Environmental Management Pvt.Ltd.
Jindal Towers Block-A, 4th floor,
21/1/3, Large Road, Kolkata-700017

Sub: Consent to Establish (NOC) from Environmental Point of View

Ref: Your letter No. CKC: Sg: MKTG/231/05 Dated 12/05/05
and your subsequent letter dt. 27/7/05 or No. CKC: pr: CC005:320:05
letter dt. 10/2/06 of No. CKC/MR/019/06, letter dt. 5/4/06 of
No. CKC/MR/EC-008/067/04/06 and letter dt. 25/5/05 of No. CKC/MR/
TGP/05 -06/112

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s SembRamky
Environmental Management Pvt.Ltd.

for manufacturing/storage/installation of a common Bio-medical waste management
facility with autoclave (600 litres batch) Shredder (30-60 kg/hr) at Mouza-Mangalpur, POUZA No. 19, Manbhuma, Tag No. 457(P), 458(P),
JL No. 22, PO-Shergarh Pargana, PS-Raniganj, Burdwan.

this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point
of the above subject to the following conditions and special conditions annexed.

* Incinerator (250 kg/hr.) and ETP for Bio-medical waste from different health care units.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS : 2490 (Pt. I) of 1974; and/or its subsequent amendment and Environment (Protection) Rules 1986;
2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above;
3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board;
4. All emission from your factory shall conform to the standards as laid down by this Board;
5. No emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Control Pollution) Act, 1981;
6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/erected/ re-erected without prior approval of this Board.

7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
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 - Environment (Protection) Act, 1986
 - Environment (Protection) Rules, 1986
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.


SPECIAL CONDITION :

See Annexure.

Gross Capital Investment of the unit on land, building, plant and machinery excluding capital investment on pollution control system - Rs.45,50,000/-.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully,


Member Secretary,
West Bengal Pollution Control Board

Memo No. 391-2N-68/2005

Dated 11/07/2006

Copy forwarded for information to :

- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
- Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
- Guard file, West Bengal Pollution Control Board.
- Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./ Asansol / Sub-R.O./WBPC Board

Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly	Vill, Panpur Kalyani Expressway P.O. Narayanpur Dist. 24 Pgs. (N)	Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan	Bhabani Bhawan 2nd Floor, Alipur Kolkata-700 027
Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata-700 098	Block-05 at 40 Flats Complex Adjacent to Priyambada Housing Estate P.O. : Khanjanchak, P.S. Durgachak Haldia-721602 Dist : Purba Medinipur	Paribahan Nagar Matigara, Siliguri Dist-Darjeeling	10, Camac Street 2nd Floor Kolkata-700 017
	Asansol Sub-Regional Office Ghanty Mansion (2nd Floor) 60, G. T. Road Asansol-713 301		

Member Secretary,
West Bengal Pollution Control Board

Special conditions issued to M/s. SEMBRAMKY ENVIRONMENTAL MANAGEMENT PVT. LTD.

A) -Emission:

- (i) From 1 (one) No. Incinerator Capacity – 250 Kgs/hr. Emission from Incinerator is to pass through Primary chamber, Secondary chamber, Heat Recovery Systems, Ventury Scrubber & Packed Bed Alkaline Scrubber.
- (ii) Minimum stack height should be 30 M from G. L.
- (iii) Temperature of Primary chamber to be maintained not less than 800°C+ 50°C.
- (iv) Temperature of Secondary Chamber to be maintained not less than 1050°C +50°C.
- (v) D.G. Set (63 KVA)-One no. (stand by) – to be provided with 3.5 chimney above the roof of the generator room with acoustic enclosure and residential silencer.

Stacks to have sampling port, platform and ladder as per Emission Regulation Part III of CPCB.

B) Effluent:

1. From Process – Scrubbed water, Autoclave effluent and floor & other washings to be treated in an Effluent Treatment Plant consisting of sand filter, Activated carbon filter and re-circulated in the scrubber. In addition, the treated effluent may be used for vehicle wash, gardening etc
2. Domestic – to be discharge through septic tank to soak pit within the unit premises.

C) Solid Waste: Incineration Ash to be kept in bags in a separate store room initially and finally disposed off to the common treatment, storage and disposal facility of M/s West Bengal Waste Management Ltd at Haldia, Purba Srikrishnapur, Sutahata, Dist: East Midnapore.
Other non-hazardous solid wastes to be disposed off regularly in arrangement with the Municipal Authority.

D) General:

- 1) Noise Control – Ambient noise level not to exceed the permissible limit. Every care to be taken for control noise.
- 2) No additional machinery/equipment can be installed without permission.
- 3) The standards/guidelines for control of noise from stationery D.G. Sets prescribed under notification of Ministry of Environment & Forest, Govt. of India dated 22.12.1998 viz. Environment (Protection)(Second Amendment) Rules 1998 to be followed.
- 4) Bio-medical wastes other than those to be incinerated must be disinfected/autoclaved and shredded before disposal.
- 5) The Incinerator should be attached with automatic feeding device instead of manual system for charging of bio-medical wastes into the primary chamber.
- 6) The Incinerator may be attached with graphic or computer recording devices which shall automatically and continuously monitor and record dates, time of day, batch sequence number and operating parameters such as temperatures in both the chambers.CO,CO₂ and O₂ in gaseous emission should be measured(at least ½ hour at one-minute interval)so that the combustion efficiency of the Incinerator can be calculated.
- 7) The shredder for bio-medical waste shall be compatible with the Autoclave and shall be of robust design with minimum maintenance requirement
- 8) The shredder should be properly designed and covered to avoid spillage and dust generation. It should be designed such that it has minimum manual handling.
- 9) A sharp pit or a facility for sharp encapsulation shall be provided for treated sharps.
- 10) Every time a vehicle is unloaded, the vehicle and empty waste containers shall be washed properly and disinfected. It should be carried out in a shed with proper flooring and liquid effluent so generated shall be collected and treated in the effluent treatment plant.

- 11) High walls, fencing and guarded gates shall be provided at the facility to prevent unauthorized access to the site by humans and livestock.
- 12) Provision shall be made within the confines of the site for parking of required number of vehicles, loading and unloading of the vehicles meant for transporting waste to and from the facility, etc
- 13) An identification board of durable material and finish shall be displayed at the entrance to the facility. This shall clearly display the name of the facility, the name, address and telephone number of the operator and the prescribed authority, the hours of operation and the telephone numbers of the personnel to be contacted in the event of an emergency.
- 14) Good house-keeping to be maintained.
- 15) The open area within the Common Bio-Medical Waste Treatment Facility (CBWTF) shall be developed into greenbelt
- 16) A washing room shall be provided for eye washing/hand washing/bathing etc.
- 17) The following important provisions should be made in a CBWTF:
 - a) A telephone shall be provided and maintained at the facility
 - b) Proper lighting shall be provided at the facility
 - c) Proper care shall be taken to keep the facility and surroundings free from odours
 - d) A First Aid Box shall be provided and maintained at the CBWTF
 - e) Proper fire fighting facilities and emergency alarm shall be installed
 - f) Measures shall be implemented to control pests and insects at the site
 - g) Measures shall be implemented to control the escape of litter from the site
 - h) Necessary protective gear for the waste handlers shall be provided.
- 18) Daily records of waste movement shall be maintained for the waste accepted and treated waste removed from the site. This record shall include the following minimum details
 - a) Waste Accepted: - Waste Collection Date, Name of the healthcare unit, Waste category as per the Rules, Quantity of waste, Vehicle number and Receiving date (at site).
 - b) Treated Waste Removed: - Date., Treated waste type, Quantity, Vehicle number and location of disposal.
- 19) The Bio-medical waste collected in coloured containers shall be transported to the CBWTF in fully covered dedicated vehicles. The vehicles must possess the following:
 - a) Separate cabins shall be provided for driver/staff and the bio-medical waste containers
 - b) The base of the waste cabin shall be leak proof to avoid pilferage of liquid during transportation
 - c) The waste cabin may be designed for storing waste containers in tiers
 - d) The waste cabin shall be so designed that it is easy to wash and disinfect
 - e) The inner surface of the waste cabin shall be made of smooth surface to minimize water retention.
 - f) The waste cabin shall have provisions for sufficient openings in the rear and /or sides so that waste container can be easily loaded and unloaded
 - g) The vehicle shall be labeled with the bio-hazard symbol (as per the Schedule III of the Rules) and should display the name, address and telephone number of the CBWTF.
- 20) Compliance of the Bio-medical wastes (Management & Handling) Rules, 1998 and amendments made thereafter shall be ensured.
- 21) This NOC is valid upto 31.05.2010 for setting up the Common Bio-Medical waste Management facility.


MEMBER SECRETARY
W. B. POLLUTION CONTROL BOARD