WHEREAS, M/s. Semb Ramky Environmental Management Pvt. Ltd. (hereinafter referred to as the industry) located at ‘F’ Road, Belgachia, P.S.- Liluah, Dist.- Howrah, Pin – 711 105 is engaged in treatment of bio-medical waste generated from member health care units.

AND WHEREAS, the officials of the WEST BENGAL POLLUTION CONTROL BOARD (hereinafter referred to as the Board) inspected the industry on 17/12/2013. During inspection the autoclave of capacity 430 lit/batch was found in operation. The autoclave of 800 lit/batch capacity, shredder machines of 140 kg/hr. and 60 kg./hr. were not in operation. The shredder machine of 140 kg/hr. capacity and the autoclave of 430 lit/batch capacity have been installed and operated by the industry without obtaining CFE & CFO from the Board.

AND WHEREAS, the representative of the industry informed during inspection that the old incinerator was not operated since December 2012. During inspection the new incinerator of capacity 250 kg/hr. was found in operation, it was provided with quencher, venturi scrubber, wet scrubber and moisture remover as APC device. But activated carbon treatment unit for the new incinerator (as was proposed during CFE application) is not yet installed. The representative of the industry informed that they had installed activated carbon treatment unit but due to operational problem the same had been removed and a quencher has been installed instead of the activated carbon treatment unit. Closed door feeding mechanism, automatic weight recording system, graphic or computerized recording devices for continuous monitoring and recording batch sequence number and continuous online monitoring system for gaseous emission for the new incinerator are yet to be installed.

AND WHEREAS, the effluent treatment plant (ETP) of the industry has been upgraded and started operating since July 2012. The upgraded ETP comprises of bar screen, equalization tank or collection sump, chemical reaction tank, primary tube settler, fluidized aerobic bio-reactor, secondary tube settler, clarified water tank, pressure sand filter, activated carbon filter, neutralization tank and sludge drying bed. During inspection the ETP was found in operation. Sediment generated from settling chambers of the ETP was found to be disposed on land beside the vehicle washing platform bypassing the sludge drying bed using flexible pipe.

AND WHEREAS, during inspection stack emission monitoring of new incinerator was conducted and the industry failed to meet the PM emission standard (PM-190.12 mg/Nm³ against the permissible limit 150 mg/Nm³). Effluent sampling was also carried out by the Board during inspection and the industry failed to meet the liquid discharge standard in respect of TSS (128.00 mg/l), COD (607.30 mg/l) & BOD (153.10 mg/l).

AND WHEREAS, the industry was earlier directed on 08/02/2013 to rectify/upgrade the pollution control systems to ensure compliance of the effluent and PM emission standards. Previous Bank Guarantee of Rs. 5.00 lakh was also forfeited as a Pollution Cost for failing to comply with the PM emission standard as well as the liquid discharge standard.
AND WHEREAS, the ‘Consent to Operate’ & ‘Bio-medical Waste Authorisation’ of the industry expired on 30/11/2012 and they have applied for renewal of the same on 14/01/2013. They have submitted Annual Report for the year 2012 on 14/01/2013.

AND WHEREAS, the industry was called for a technical hearing on 20.02.2014 at the head office of the Board for the non-compliance as mentioned above.

AND WHEREAS, the representatives of the industry appearing in the hearing agreed with the above mentioned observations of the Board. They submitted that they would conduct a detailed study of waste characteristics vs. feed rate in order to find out the reason of high PM concentration and taking appropriate measures to meet the PM emission standard and the report will be submitted to the Board within 4-5 months.

NOW, THEREFORE, considering the above, M/s. Semb Ramky Environmental Management Pvt. Ltd. located at ‘F’ Road, Belgachia, P.S.- Liluah, Dist.- Howrah, Pin – 711 105 is hereby directed as follows:

1. That the industry shall conduct a comprehensive study of waste characteristics vs. feed rate for the incinerator and based on that report necessary modification/up-gradation of air pollution control device(APCD) shall be done to meet the PM emission standard within 6(six) months from hereof.

2. That, the industry shall install closed door feeding mechanism, automatic weight recording system, computerized recording devices for continuous monitoring and recording batch sequence number and continuous online monitoring system for gaseous emission for the new incinerator within six months from hereof.

3. That, the industry shall deploy dedicated technical manpower to operate and maintain the newly installed ETP in order to ensure compliance of liquid effluent discharge standard.

4. That, the industry shall execute a Bank Guarantee (proforma enclosed) of Rs. 5,00,000/- (Rupees Five lakh) only valid for twelve (12) months within fifteen [15] days from the date of issuance of this direction in favour of the WEST BENGAL POLLUTION CONTROL BOARD as an assurance to comply with the above direction.

The Sr. Environmental Engineer, Howrah Regional Office will keep a strict vigil on the industry and if the industry is found to violate the above direction and environmental norms stricter regulatory order will be issued.

This direction is issued in exercise of the powers conferred under provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Environment (Protection) Act, 1986 and especially the Bio-Medical Waste (Management & Handling) Rules, 1998 after being approved by the Competent Authority.

By Order,

Sd/-
Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board