

No. PCB/CEO-2/2016-17/ *3570*

Dated: **28 SEP 2016**

Inspection report of Sri.B.G.Mohan Krishna, Chief Environmental Officer-2, Karnataka State Pollution Control Board, Bangalore.

Name & Address of the : M/s. Jayvel Enterprises, Plot No. 26-A, KIADB Industrial Area, Malur, Kolar District.

Category : Small Red.

Activity : Lead recycling unit involving smelting.

Date of Inspection : 20.09.2016.

Name of the person contacted : Sri. Lokanath, Plant Head.

Officers of the Board present : 1) Sri. Somashekar K.M., DEO, Kolar.
2) Sri. Mruthunjaya, AEO, Kolar.

Keeping in view of the Memo No.PCB/05/EGV-16/2533, dated 03.08.2016 with regards to inspection of the above industry under the Random inspection of organization identified based on computerized risk assessment, the industry was inspected to verify the status of compliance to the consent conditions.

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This is a small Red category industry engaged in Reprocessing of used lead acid batteries and lead scrap with an installed capacity of 6000MT/Annum. Further, they have also obtained consent for reprocessing of copper durid and brass scrap of installed capacity of 500 MT/Annum. Industry is basically a hazardous waste unit and not significant under water pollution control.

Water Pollution Control

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There is no usage of water in the lead processing activity. Industry consumes around 500lpd of water for drinking purposes and the wastewater is disposed through septic tank and soak pit.

Air Pollution Control

The details of Air pollution control equipments installed by the industry is as per **Annexure enclosed.**

At the time of inspection, the furnace and the kiln was not in operation. However, the Cyclone Separator followed by Bag Filter was in working condition. However, industry has not installed energy meter to the Air pollution control equipments as well as not maintained log books. Industry was advised to provide separate energy meter immediately with an advise to DEO, Kolar to follow up on the matter.

Even though industry has obtained consent of the Board for processing brass and copper scraps, it was informed by the factory authorities that they are yet to commission the same due to market conditions. However, industry has provided required Air pollution control equipments and scrubber which are at present un-used. Industry was advised to provide separate energy meter for the same as well as submit proposals for scientific disposal of scrubbed effluents to take further action. They have also been advised to keep the Board informed about the commissioning of the brass and copper unit well in advance.

Hazardous Waste Rules Compliance

Industry has obtained authorization for Hazardous Waste handling which is valid for the period from 05.05.2014 to 30.06.2018. During inspection, it was observed that the industry has not made any provisions to securely store the Hazardous Waste in separate area earmarked for the purpose. The entire waste generated are collected on the open ground adjacent to the kilns and covered by tarpaulin sheet. This issue requires to be rectified immediately. The entire process area is hapazardously maintained and the housekeeping is very bad. Lead gross, battery casing etc., are stored adjacent to kiln etc., which should be avoided and provide separate enclosures.

Further, as per Hon'ble Supreme Court Order, Hazardous Waste generating unit shall have to display all the particulars in a Board to be placed before the gate at the entrance of the company. Industry has installed the Board, however, there are no entries or any particulars. Factory authorities were advised to follow the direction of the Hon'ble Supreme Court and the Regional Officer was advised to follow up and report on the matter with photographic evidences.

Recommendations

Industry could be addressed on all the above observations with a direction to Regional Officer to follow up



**B.G.MOHAN KRISHNA
CHIEF ENVIRONMENTAL OFFICER-2**

To,

The Member Secretary, KSPCB for information.

Copy submitted to:

1. The Chairman, KSPCB for information.
2. The CEO-1, KSPCB for information & necessary action.
3. The Regional Office, Kolar for information & necessary action.
4. Senior Environmental Officer, Waste Management Cell for information.



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ANNEXURE

Chimney number	Chimney Attached to	Minimum Chimney Height to be Provided	Constituents to be controlled in the emission	Tolerance limits Mg/NM ³	Air Pollution Control equipment to be installed, in addition to Chimney height as per Col (3)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	a. Reverberatory furnace b. Rotary Kiln (3 Tonne capacity)	Common chimney 30 m AGL	SPM Pb (Lead)	50 10	Gravity chamber, Cyclone separator followed by bag filter (180 No's) and chimney height as per col (3) and project report.	Complied
2	Brass/Copper crucible	30m AGL	SPM	50	Hood wet, Scrubber and chimney as per col (3) and project report.	Complied
3	125 KVA DG Set	5 m ARL	NO _x (as NO ₂) Non methane Hydrocarbon (NMHC) (as C)	710 ppmv 100mg/Nm ³ 75mg/Nm ³	Chimney height as per col (3) with acoustic enclosures.	Complied

Note: Factory authorities not provided energy meter for Air pollution control sources.



CHIEF ENVIRONMENTAL OFFICER