

ವಿಭಾಗೀಯ ಕಛೇರಿ,
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ,
ಸಿಎ-2, 3ನೇ ಹಂತ,
ಕೆ.ಹೆಚ್.ಬಿ. ಕಾಲೋನಿ, ಪ್ರಗತಿ ಗ್ರಾಮೀಣ ಬ್ಯಾಂಕ್ ಹಿಂಭಾಗ,
ಕೆ.ಹೆಚ್.ಬಿ. ಕಛೇರಿ ಹತ್ತಿರ, ಸಾದಿಕ್ ನಗರದ ರಸ್ತೆ,
ಚಿತ್ರದುರ್ಗ-577501



Divisional Office,
Karnataka State Pollution Control Board,
C.A-2, 3rd Main,
KHB Colony, Behind Pragathi Gramin Bank,
Near KHB Office, Sadik Nagar Road,
Chitradurga-577501

No. PCB/SEO-CTA/Random IR/2017/ 373

December 4, 2017

To,
The Member Secretary
KSPCB, Bengaluru 560001

Kind Attn. CEO-1, 17 Category Section

Sir,

Sub: Random inspection of organization identified based on computerized risk assessment

Ref: 1. Board Office Memo No. PCB/09/EGV-14/1553 dated 21.06.2016
2. CEO-1 Letter No.PCB/05/Egv-16/3679 dated 06.10.2017

Adverting to the above M/s Eswari Global Metal Industries Pvt Ltd, Plot No. 101 A&B, Industrial Area, Baikampady, Mangalore 575 015 has been inspected along with officers of RO-Mangalore on 29.11.2017 and report is enclosed herewith for further needful action.
Encl. as above

Yours faithfully

SEO - Chitradurga



Copy to,

1. The Senior Environmental Officer, KSPCB, Mangalore for information.
2. E-Gov Cell, KSPCB, Bengaluru 560001 for n/a.
3. The Regional Officer, KSPCB, Plot No 10B, Baikampady Industrial Area, Mangalore 575011 for information and n/a.



No.PCB/SEO-CTA/Random Inspection/2017/

December 4, 2017

Inspection Notes of C.D.Kumar, SEO, Chitradurga

Name of The Industry visited	M/s Eswari Global Metal Industries Pvt Ltd, Plot No. 101 A&B, Industrial Area Baikampady, Mangalore 575 015
Date of Visit	29.11.2017
Officers Accompanied	Rajshekar Puranic, EO Keerthi Kumar, DEO
Person Contacted	Sabarinathan, Managing Director

It is a hazardous waste re-processing unit viz re-processing of used lead acid battery plates, lead scraps/ashes/residues/slag/dross for which the Board has issued consent under Water Act 1974 and Air Act 1981 for the period up to 30.06.2022 besides granted Authorisation under HWM Rules up to 30.06.2020 with conditions. The unit was visited in view of the instructions issued through e-mail dated 06.10.2017 under random inspection of organization identified based on computerized risk assessment. The unit was in operation and following are the observations.

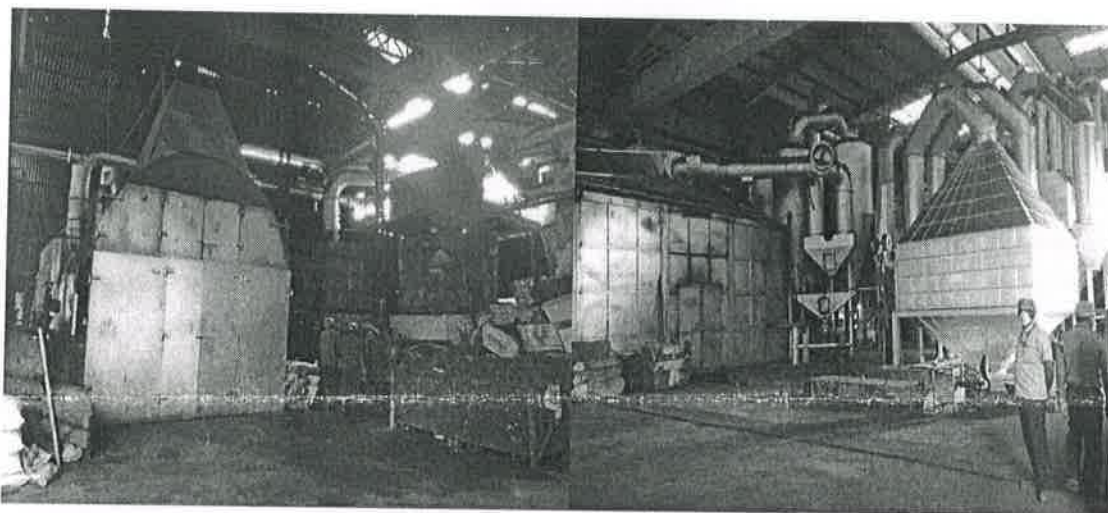
- Newly installed Rotary Furnace of 50,000 MTA capacity was in operation. To a query the M.D. Informed that this furnace commissioned in September 2017 and they are using either steam coal or FO as fuel. For this Furnace settling chamber, serpentine cyclone, spark arrestor, bag filter, wet alkaline scrubber followed by a chimney of height 30 mts AGL are provided as APC measures. Also closed fugitive hood is provided for this Kiln along with multi cyclone, bag filter are provided as APC measures and the emissions are connected to the chimney of the Kiln. The old Rotary Kiln of 40,000 MTPA was also in operation and equalization chamber, settling chamber, bag filter, wet scrubber followed by chimney of 30 mts AGL are provided as APC measures. Also closed fugitive hood is provided for this Kiln along with settling chamber & bag filter are provided as APC measures and the emissions are connected to the chimney of the Kiln. All the control equipments were in operation during visit.
- Three FO fired Pot Furnaces' are installed to convert crude lead (from furnaces) to lead ingots. For the furnaces burners common chimney of 9 mts AGL provided. Also for process emissions emanating from these furnaces cyclones, bag filters followed by a common chimney of 30 AGL provided as APC measures.
- In addition to the Rotary and Pot furnaces one DG of 500 KVA installed with acoustic enclosure for which 3 mts ARL chimney provided against requirement of 6 Mts ARL. During discussions the MD has agreed to raise the chimney height immediately.
- For the treatment of trade effluents generated from scrubber, floor wash, machine cooling etc treatment system of 2 KLD comprising collection tank, neutralization tank, filter press followed by sand filter provided. The treatment unit was not in operation during visit and to query the MD informed that they will carryout chemical treatment in batch process depending on the quantity of effluents by adding lime and polyelectrolyte.

- Further he informed that the treated waste water is re-used as scrubber makeup and the solid generated in filter press is feeding again into rotary furnace for recovery of lead.
- The hazardous waste generated from the process viz lead ash/slag (about 100-110 MT/week) is said to be disposed to TSDF on regular basis (3-4 times/week). About 50-60 tons of lead slag stored in the shed noticed during visit.
 - The RO was instructed to verify the manifest of disposal of lead slag besides to conduct regular stack monitoring for lead emissions.

The photographs taken during visit are enclosed.

Encl. as above


SEO-Chitradurga



New Rotary Kiln with APC Measures



Stock of Lead Slag

ETP-Filter Press