



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

CPCB/PCI-II/A1/OMS/732 SPEEDPOST

14/08/2017

To

The Unit Head  
M/s Vedanta Limited-Smelter & CPP  
(Formerly known as Sesa Sterlite Limited)  
Bhurkmunda, Sripura,  
Jharsugda, Odisha-768202

**Sub. :** Directions under Section-5 of the Environment (Protection) Act, 1986 regarding Non-compliance- Closure thereof.

**Ref :**

- i. CPCB's direction/notice (CPCB/PCI-II/Cu/OMS/5147), dtd. 23/07/2015.
- ii. VL's reply letter no. (VL/CPCB/004/2015-007), dtd. 14/09/2015.
- iii. VL's reply letter no. (VL/CPCB/004/2016-004), dtd. 08/03/2016.

WHEREAS, the primary aluminium industries are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

WHEREAS, there is need to inculcate habit of self-monitoring within the industries for complying with the prescribed standards and this can be achieved by methods like installing online effluent and emission monitoring devices; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online source emission and effluent monitoring systems need to be installed and operated by the industries on 'polluter pays principle'; and

WHEREAS, direction under section-18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs)/ Pollution Control Committees (PCCs) for installation of online emission monitoring system w.r.t. PM & SO<sub>2</sub> parameters and online effluent monitoring system w.r.t. pH, BOD, COD & TSS in copper industries; and

WHEREAS, it was clarified that flow meter & web camera be installed in case of units with zero liquid discharge (ZLD) by March 31, 2015 vide Guidelines dtd. 07.11.2014 as uploaded on website of CPCB; and

WHEREAS, the Ministry of Environment, Forest and Climate Change, Government of India vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers under section 5 of the Environment (Protection) Act, 1986 to the Chairman, Central Pollution Control Board to issue Directions to any industry or any Local Body or any other Authority for violations of the Standards and Rules notified under the Environment (Protection) Act, 1986 and amendment thereof; and

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाईट/Website : www.cpcb.nic.in

WHEREAS, to this effect and exercise of the powers vested under section 5 of the Environment (Protection) Act, 1986, CPCB had served a number of Notices / Directions to the industry during 2015-2016 as referred above including series of meetings and CPCB Directions dated 23/07/2015 to ensure compliance of the following by the industry:

1. The Unit shall submit documentary evidence regarding status of installation of online emission & effluent monitoring system.
2. The Unit shall submit the status on connectivity for submission of online 24x7 monitoring data to SPCBs/PCCs and CPCB.
3. The Unit shall submit the details as per Annexure-I through
  - (a) E-mail id - cems.cpcb@nic.in
  - (b) Uploading the data on the link provided on CPCB Website (www. cpcb.nic.in) and
  - (c) By speed post

to the Member Secretary, Central Pollution Control Board.

WHEREAS, the industry had replied vide its letter no. VL/CPCB/004/2015-007 dated 14/09/2015 reporting that online monitoring system for both emission and effluent parameters has been installed and data connectivity to CPCB server for emission and effluent parameters has been completed; and

WHEREAS, the SMS alerts are supposed to be generated and sent to concerned dealing officer in CPCB as well as in plant whenever concentration of any pollutant exceeds the limit as prescribed. However, in case of M/s Vedanta Limited (Formerly known as M/s Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha, large number of SMS alerts have been generated during Jan.-March, 2017; and

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from CPCB, Regional Directorate- East , Kolkatta carried out an inspection of M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha on 18-19/04/2017 and made following observations requiring attention:

1. There are 30 online analysers in all the stacks of the industry (CAAQMS-8, CEMS-19, and EQMS-3).
2. These CEMS and EQMS analysers are connected with Servers of OSPSB and CPCB ; however, CAAQMS are not connected to CPCB server.
3. Analysers of PM<sub>10</sub> & PM<sub>2.5</sub> of SMCPPCAAQ 1 & 2 are not working.
4. Analysers at IPPCAAQ 1 & 2 are giving erroneous result as the value of PM<sub>2.5</sub> is found to be higher than PM<sub>10</sub>
5. All the monitored and online values are matching except TSS for the samples collected from the out let of Smelter 1 and CPP.

WHEREAS, based on through examination and the connectivity status provided by CPCB IT Division on 27.07.2017, It has been noticed that only 04 CPP stacks for parameters PM, SO<sub>2</sub>, NO<sub>x</sub> and CO and 02 ETP points for parameters pH, TSS, COD, BOD and Fluoride are connected with CPCB server; and

WHEREAS, there are a total of 15 stacks in the industry which are connected with Pot-rooms, Bake-ovens and CPPs as evident from the CTO issued to the industry by OSPCB and as per Guidelines issued by CPCB on installation & connectivity of OCEMS, all the 15 Emitting stacks and 02 Effluent points were to be connected with CPCB server by the timeline of 28.02.2017 which has been over long-back.

**NOW, THEREFORE,** based on the observations made by CPCB inspection team and all material facts available with CPCB and in exercise of powers vested under Section-5 of the Environment (Protection) Act, 1986 to the Chairman, CPCB, following directions are hereby issued :

1. M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha is hereby directed to close down all the operations/production activities with immediate effect till Online Emission and Effluent monitoring systems are installed in all the remaining stacks and uplinked with CPCB Server as per guidelines issued by CPCB.
2. M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha shall initiate the corrective actions immediately in respect of the following short-falls and complete by 31.08.2017:
  - i. Analysers of PM10 & PM2.5 of SMCPPCAAQ 1 & 2 shall be made operational.
  - ii. Analysers for PM 10 & PM2.5 at IPPCAAQ 1 & 2 shall be calibrated.
  - iii. All the CAAQMS analysers shall be connected with CPCB server.
  - iv. The online TSS analysers at the outlet of the smelter I shall to be properly calibrated.
3. The industry shall not re-start its operation without the written permission of CPCB.

The industry shall submit the action taken report for rectification of the short-falls as highlighted above within 15 days from the date of issue of these directions. Violation of the directions shall attract legal action including prosecution as per the provisions of the National Green Tribunal Act, 2010.

(S.P. S. Parihar)  
Chairman

16/08/2017

Copy to:

1. The Chairman Orissa Pollution Control Board, A-118, Nilakanta Nagar, Unit -VIII, Bhubaneshwar - 751012	For follow-up & compliance, please
2. The Chairman Western Electricity Supply Company of Orissa Limited, BURLA- 768017, DIST - SAMBALPUR , ORISSA	The electricity connection of the industry be disconnected immediately.
3. The District Magistrate District Collectorate Office Jharsuguda, Odisha- 768204	For compliance please.
4. The Additional Secretary (AKM) - CP Division Ministry of Environment, Forest and Climate Change Indira Paryavaran Bhawan, Jorbagh Road New Delhi - 110003	
5. The Regional Director (East) Central Pollution Control Board, Southend Conclave, Block 502, 5 <sup>th</sup> & 6 <sup>th</sup> Floors, 1582 Rajdanga Main Road, Kolkata-700107 (West Bengal)	: For follow-up & compliance, please
6. Divisional Head IT Division CPCB, Delhi	
7. Divisional Head IPC- VI Division CPCB, Delhi	



(Dr. A.B. Akolkar)  
Member Secretary