



SPEEDPOST

CPCB/IPC-II/AI/OMS/2017-18 10220

Sept. 05, 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- Revocation 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.
- iv. VL's reply letter no. (VL/CPCB/004/2017-016), dtd. 18/08/2017.

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

WHEREAS, to this effect and exercise of 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 for 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 Sesa Sterlite Limited) Aluminium & Power, 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 , Kolkata carried out an inspection of M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, 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. All the CEMS and EQMS analysers are connected to SPSB and CPCB server; 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 PM<sub>2.5</sub> is found 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 had 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 Potrooms, 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 point were to be connected with CPCB server by the timeline of 28.02.2017 which has been over long-back.

WHEREAS, 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 Chairman, CPCB, following directions were issued vide CPCB letter dated 14/08/2017:

1. M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha was directed to close down all 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 Vadanta 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 PM<sub>10</sub> & PM<sub>2.5</sub> of SMCPPCAAQ 1 & 2 shall be made operational.
  - ii. Analysers for PM 10 & PM<sub>2.5</sub> 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 written permission of CPCB.


WHEREAS, the industry replied vide their letter no. VL/CPCB/004/2017-016 dated 18/08/2017 has reported that online monitoring systems for both emission and effluent parameters have been installed as per guidelines of CPCB and data connectivity to CPCB server for emission and effluent parameters have been completed in all the left out stacks of smelter plant-1 and CPP units and;

WHEREAS, It has also been reported that smelter plant-2 is yet to be commissioned and industry has complied with all the shortcomings reported during CPCB inspection and listed out in CPCB Closure Directions dated 14/08/2017 and;

WHEREAS, it is observed that the URL links for installed online analysers are found operational, the online data can be accessed at CPCB end, and the same has been confirmed by the IT Division of CPCB's report dated 28/08/2017 and:

**NOW, THEREFORE**, material facts available with CPCB including compliance of directions issued and in exercise of powers vested under Section-5 of the Environment (Protection) Act, the closure directions dated 14/08/2017 issued to M/s Vedanta Limited (Formerly known as Sesa Sterlite Limited) Aluminium & Power, Vill. Bhurkamunda, PO-Kalimandir, Distt. Jharsugda, Odisha are hereby revoked with the following conditions :

1. The industry shall operate only with valid consent under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, & Authorisation under H&OW (M&TBM) Rules, 2016 and
2. The industry shall ensure continuous data transmission from online emission and effluent monitoring systems to CPCB and SPCB.
3. Any expansion of the existing project including commissioning of Smelter Plant 2 shall be intimated to CPCB and State Pollution Control Board, Odisha and applicability and scope of the installation of OCEMS will be subjected to proposed expansion activities.

  
06/09/17  
(S.P. S. Parihar)  
Chairman

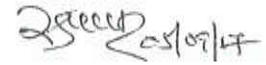






Copy to:

1. The Chairman : For follow-up & compliance,  
Odisha State Pollution Control Board, please  
A-118, Nilakanta Nagar, Unit -VIII,  
Bhubaneshwar - 751012
2. The Regional Director (East) : For follow-up & compliance,  
Central Pollution Control Board, please  
Southend Conclave, Block 502,  
5<sup>th</sup> & 6<sup>th</sup> Floors,  
1582 Rajdanga Main Road,  
Kolkata-700107 (West Bengal)
3. The Additional Secretary [AKM] - CP  
Division  
Ministry of Environment, Forest and Climate  
Change  
Indira Paryavaran Bhawan, Jorbagh Road  
New Delhi - 110003
4. The Divisional Head IT Division, CPCB, Delhi
5. The Divisional Head IPC- VI ,CPCB, Delhi



[A Sudhakar]

Member Secretary

