



BY REGISTERED AD

CPCB/IPC-II/AI/OMS/2017-18/ 8439

23/08/2017

To

M/s Utkal Alumina International Limited,
Doraguda, Post: Kucheipadar
Distt. Rayagada, Odisha.

Sub.: Directions under Section-5 of the Environment (Protection) Act, 1986 to ensure compliance on installation of on-line effluent and emission monitoring system and pollution control measures.

Ref:

- i. CPCB's earlier direction/notice no. CPCB/PCI-II/AI/OMS/5151, dtd. July 23, 2015.
- ii. CPCB's notice no. CPCB/PCI-II/AI/OMS/19108-110, dated Feb 11, 2016.

WHEREAS, 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 & SO₂ parameters and online effluent monitoring system w.r.t. pH, BOD, COD & TSS in copper industries; and

'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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

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 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 in response to the CPCB's Directions **M/s Utkal Alumina International Limited, Doraguda, Post: Kucheipadar Distt. Rayagada, Odisha** had sent letters dated 01/09/2015 and dated 23/09/2016 indicating that the industry has installed the Online Continuous Emission and Effluent Monitoring Systems (OCEMS) and hooked up the data to the CPCB servers; 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 Utkal Alumina International Limited, Doraguda, Post: Kucheipadar Distt. Rayagada, Odisha**, large number of SMS alerts have been generated in last three months; and

WHEREAS, in order to verify the compliance and find out the status of online monitoring system, a team from CPCB, Kolkata Office (RD-East) carried out an inspection of **M/s Utkal Alumina International Limited, Doraguda, Post: Kucheipadar Distt. Rayagada, Odisha** during May 08-12, 2017 and made some observations requiring actions , which are as follows:


1. The analytical result of PM shows that the stack emission level at Calciner-2 is 59 mg/Nm³ , which is more than the prescribed limit of 50mg/Nm³.
2. Surrounding area of ash pond is found as open and without any guard wall . In order to prevent any accident, the industry needs to make guard wall of sufficient height around the ash pond immediately.
3. Industry needs to be advised for proper calibration of online monitoring system regularly and maintain log- Book for the same.
4. Online monitoring system for the parameters namely temperature , Conductivity, TDS & water level meter are installed at Piezometer Well in Red Mud Pond (RMP) area but as the RMP waste water is alkaline in nature, pH meter may be also installed at this point. Sampling facility from the Piezometer well may be developed to see any contamination from the seepage of RMP.
5. As per records of the industry, 30% of the ash generated is stored in an ash-pond and remaining 70% of the ash is utilized by the industry for filling low lying areas within the premises itself.
6. OSPCB has given permission to unit for utilization of ash for filling of low lying area.
7. The industry has installed four no of CAAQMS, (on the roof of EHS building, training centre, CPP Area and Nupada township). Inspection of CAAQMS at EHS building was made and observed as operational.

WHEREAS, based on through examination and OCEMS connectivity status provided by CPCB IT Division on 21.08.2017, it has been noticed that 2 stacks attached to Alumina Refinery and 03 CPP units of the industry are connected to CPCB server for the parameters PM and PM/SO₂/NO_x respectively as per guidelines of CPCB and Flow-meter at ETP outlet point.

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, **M/s Utkal Alumina International Limited, Doraguda, Post: Kucheipadar Distt. Rayagada, Odisha**, is hereby directed to initiate the corrective actions in respect of the following short-falls immediately and complete the same by 22.09.2017:

- i. Web camera at outlet be connected with CPCB server by 25.08.2017 to ensure ZLD condition. At present only flow meter is connected.
- ii. pH meter in piezometer well in red mud pond(RMP) be installed as the RPM wastewater is alkaline in nature.
- iii. Proper operation & maintenance including augmentation (if required) of the air pollution control device installed at Calciner-2 be made to bring the PM emission of 59 mg/Nm³ within prescribed limit of 50 mg/Nm³.
- iv. Guard wall be built immediately around ash pond in order to prevent any accident.
- v. Proper calibration of OCEMS be undertaken on regular basis and logbook be maintained for the same.

M/s Utkal Alumina International Limited, Doraguda, Post: Kucheipadar Distt. Rayagada, Odisha 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 further legal action as per the provisions of the National Green Tribunal Act, 2010.



(S.P.S. Parihar)
Chairman

24/08/2017



Copy for kind information to:

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


(Dr. A.B. Akolkar)
Member Secretary

