



# झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI -834004

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Notification No:

Ranchi, Dated :

## Notification

The Hon'ble Jharkhand High Court in WP (C) No. - 3277/2011, **Sri Ram Metallic and Others vs Union of India and others** vide order dated 19.01.2012 in order to ensure that the running of Iron Ore Crushers do not cause any health hazard, imposed the following conditions for the operation of Iron Ore Crushers as suggested by the Central Pollution Control Board ;

- (i) Providing permanent boundary wall
- (ii) Paved internal roads and roads around units
- (iii) Comprehensive enclosures of crusher and screen units with vent attached with PCDs.
- (iv) Submission of information to JSPCB on source of raw material, quantity processed daily, dispatched and destination on monthly basis to keep vigil on illegal mining.

In order to ensure the effective implementation of the provisions of Air (Prevention and Control of Pollution) Act, 1981 and to take appropriate steps for the preservation of the quality of Air, Control of Air Pollution and maintenance of whole someness of air, the Jharkhand State Pollution Control Board constituted a committee vide notification No.- PC/29/2011-03 dated 15.02.2012 for fixation of standards for stack emission, fugitive emission and approval of design of pollution control devices submitted by Iron Ore Crusher units etc .

As per the recommendation of the committee, following stack and fugitive emission standards are here by notified under section 17 (g) of Air (Prevention and Control of Pollution) Act, 1981 by the Jharkhand State Pollution Board for primary and secondary crushers and others in anticipation of Board's' approval :

## **EMISSION STANDARDS FOR IRON ORE CRUSHER IN THE STATE OF JHARKHAND.**

Sr. No.	Industry	Parameter	Standards
1	2	3	4
1.	Iron Ore Crusher	A. Fugitive Emission  Suspended Particulate Matter  B. Stack Emission  Particulate Matter Emission	The quantitative standard for SPM measured at a distance of 10m (+ 1m) from any process equipment shall not exceed 500 microgram/ m <sup>3</sup> . The measurement should be done on 8-hour basis with high volume sampler.  The dust emission for the crusher should be exhausted out through I.D/F.D. fans through a chimney of height $H=74 Q^{0.27}$ m (where H=Stack height in meters and Q=PM emission in tones/hour). However the minimum height of the stack shall be 15 m from the top of crusher enclosure. A standard of 50mg/Nm <sup>3</sup> of particulate matter at stack exit should be complied.

## A. Primary and Secondary Crusher

- \* The entire area of primary and secondary crusher including ground hopper should be covered from sides to contain dust emission from crushing operation.
- \* There should be a provision of fogging nozzles for spraying water (with fogging chemicals) inside the crusher to prevent dust emission from the crusher. The nozzles should come into operation automatically as soon as crushers are in use.
- \* Throughout the entire process from the crushing to storage, a moisture content of 1% be maintained in the ore.

### NOTE

In case the iron ore crusher unit does not operate continuously on full capacity for 8 hours then in that case the time for measurement can be reduced accordingly. However, it shall be ensured that the iron ore crusher should run on full capacity during monitoring.

## B. Fugitive Emission

- \* All conveyer belts carrying the ore must be fully covered to prevent any fugitive emission.
- \* All transfer points should be fully covered to prevent any fugitive emission.
- \* All storage areas should have wind breaking walls to prevent wind driven fugitive emission.
- \* All free fall of ore in the storage area should have the arrangement to minimize the distance of free fall. Specifically an ore shooting arrangement must be employed with the provision of variable height to drop the ore in storage area.

## C. Technology

- \* The available technology of APC device is Bag filter, ESP, Venturi Scrubber, Cyclone etc and the adequacy of device will depend upon the appropriate technology or combination of technology to meet the aforesaid standard.

This notification will be effective from the date of issue.

Sd/-  
(Sanjay Kumar Sinha)  
Member Secretary

Memo No:

Ranchi, Dated:

Copy to Addl. Chief Secretary, Deptt. of Forest and Environment, Govt. of Jharkhand / Environmental Engineering Board Analyst/AEE's/JEE's/ All Regional Officers for information and necessary action.

Sd/-  
(Sanjay Kumar Sinha)  
Member Secretary

Memo No:

Ranchi, Dated:

Copy to Member Secretary, Central Pollution Control Board, Delhi/Zonal Officer, Central Pollution Control Board East Zonal Office, Kolkata for information and necessary action.

Sd/-  
(Sanjay Kumar Sinha)  
Member Secretary

Memo No:

Ranchi, Dated:

Copy to All the member of the committee constituted vide Notification No. PC/29/2011-03-dated 15.02.2011 for information please.

Sd/-  
(Sanjay Kumar Sinha)  
Member Secretary

Memo No: - 1164

Ranchi, Dated: 12-4-12

Copy to M/S Horizone Softech, Ranchi for information and necessary action. He is requested to upload this Notification in Board's Web Site www.jspcb.org.

Sd/-  
(Sanjay Kumar Sinha)  
Member Secretary