



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

SPEED POST

B-33014/07/2018/IPC-II/TPP/ 776 To 833

April 16, 2018

To

(As per List Enclosed)

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 regarding compliance of emission limit notified vide notification No.S.O.3305 (E) dated 07.12.2015 in Captive Power Plants (CPP)- reg.**

WHEREAS, taking into consideration pollution from thermal power plants, Ministry of Environment, Forest & Climate Change had issued notification in the year 1984 laying out standards for thermal power plants. Further, the stack height regulation was notified in the year 1989 and effluent standard for thermal power plants was notified in the year 1986. The revised temperature limit of discharge of cooling water from the plants was notified in the year 1999 and thereafter use of beneficiated coal in the plants was issued in June 2002. The fly ash utilization notification was also issued On 14th September, 1999 and amended in the year 2003 and 2009. Thereafter, MoEF&CC vide Notification No. S.O.3305(E) dated 07.12.2015 has amended emission limit for particulate matter and notified new limits for Sulphur dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>) and mercury emission, and water consumption limit for coal/lignite based thermal power plants. As per the notification dated 07.12.2015, thermal power plants were required to achieve the notified limit within two years from the date of the notification i.e. by 07.12.2017;

WHEREAS, with the implementation of the amendment dated 07.12.2015, it is expected that there would be reduction in emission of PM, Sulphur dioxide and oxide of Nitrogen, which in turn will help in improvement in Ambient Air Quality in and around thermal power plants, besides reduction of mercury emission and water use in the thermal power plants will reduce;

WHEREAS, electricity is cleanest form of energy which helps in mitigating house hold air pollution which is matter of concern;

WHEREAS, there is need to provide electricity supply to people who do not yet have access to it;

WHEREAS, taking into consideration the technical challenges and time requirements for installation of FGD and other technologies to meet the new emission limits, the MoEF & CC vide its letter F. No. Q-15017/40/2007-CPW dated 07.12.2017 has directed CPCB to direct all the thermal power plants to ensure compliance with the norms laid down in the 07.12.2015 notification in accordance with the revised Plan submitted by the Ministry of Power letter dated 13.10.2017;

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WHEREAS, vide email dated 20.12.2017 MoEF & CC further directed CPCB to issue directions on similar lines to the units having Captive Power Plants.

WHEREAS, to decide time line for implementation for installation of FGD and other technologies to meet new emission in Captive Power Plants, meetings with Industrial Associations and technology providers were organised on January 17, 2018 & February 09, 2018 respectively and based on the assessment of time required to implement necessary measures to achieve revised emission norms, following time lines were decided for implementation of new emission norms notified on 07.12.2015 in Captive Thermal Power Plants:

- Captive Power Plants based on FBC (CFBC/AFBC and PFBC) to comply with new emission norm for PM & SO<sub>2</sub> by December 31, 2018.
- The Captive Power Plants which have to install FGD to comply with new emission norm for SO<sub>2</sub> by June 30, 2020 but comply with PM norms by December 31, 2018. The plants commissioned prior to December 31, 2003 to achieve NO<sub>X</sub> 600 mg/Nm<sup>3</sup> by December 31, 2018 and plants commissioned during 01.01.2004 -31.12.2016 to comply with emission limit of 300 mg/Nm<sup>3</sup> by June 30, 2020.

WHEREAS, vide No. letter B-33014/7/2018/IPC-II dated February 13, 2018, the Ministry of Environment, Forest & Climate Change, Government of India, has been requested to consider the proposed time lines and grant approval for issuing directions to CPP for implementation of new emission norms as per the time line mentioned above.

WHEREAS, the MoEF&CC vide its letter F. No. Q-15017/40/2007-CPW dated 27.02.2018 has directed CPCB to take necessary action in the above matter under appropriate section of EPA, 1986;

WHEREAS, CPCB convened meetings with State Pollution Control Boards on 10 & 11 April, 2018 to obtain list of captive power plants in their States so that CPCB can issue directions for compliance of new norms.

WHEREAS, the Ministry of Environment, Forest & 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 vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 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) Rules, 1986 and amendment thereof.

**NOW, THEREFORE,** taking into consideration all material facts including environmental concerns and ensuring stability of power supply and need for implementation of new emission norms notified on 07.12.2015 and in exercise of powers vested under Section 5 of the Environment

(Protection) Act, 1986, you are hereby directed to comply with following directions :

- That Captive Power Plants based on FBC (CFBC/AFBC and PFBC) shall comply with new emission norm for PM & SO<sub>2</sub> by December 31, 2018.
- That Captive Power Plants which have to install FGD shall comply with new emission norm for SO<sub>2</sub> by June 30, 2020 and to comply with PM norms by December 31, 2018.
- That plants commissioned prior to December 31, 2003 to achieve NO<sub>x</sub> 600 mg/Nm<sup>3</sup> by December 31, 2018 and plants commissioned during 01.01.2004 -31.12.2016 to comply with emission limit of 300 mg/Nm<sup>3</sup> by June 30, 2020.

A PERT chart indicating month wise activities to comply with the above directions shall be submitted to CPCB & SPCB within 2 months, failing which action will be taken under appropriate provisions of the Environment (Protection) Act, 1986

(SPS Parihar)  
Chairman

19/04/18

Copy to:

The Chairman  
Chhattisgarh State Environment Conservation Board,  
Paryavas Bhawan, North Block Sector-19,  
Naya Raipur - 492 002, Chhattisgarh

The Adviser (CP Division)  
Ministry of Environment, Forests and Climate Change  
Prithvi Wing, 2nd Floor, Room No. 216  
Indira Paryavaran Bhawan, Aliganj,  
Jor Bagh Road, New Delhi - 110003

The Regional Director  
Central Pollution Control Board  
4th Floor, Sahkar Bhawan,  
North TT Nagar,  
Bhopal - 462 003

The Divisional Head - IT, CPCB

28/04/18

(A. Sudhakar)  
Member Secretary



### List of Industries (Captive Power Plants) in Chhattisgarh

Sl. No.	Name of Industries
1	M/s Bharat Aluminium Co. Ltd., (540 MW & 1200 MW), Balco Nagar, Korba
2	M/s Bharat Aluminium Co. Ltd., (270 MW), Jamnipali, Korba
3	M/s Sarda Energy & Minerals Limited, Industrial Area Siltara, Phase-I, Raipur
4	M/s Godawari Power & Ispat Ltd., Phase I, Siltara, Dist. -Raipur
5	M/s Vandana Global Ltd., Industrial Area Siltara, Phase - II, Dist. -Raipur
6	M/s S.K.S. Ispat & Power Ltd., Industrial Area Siltara, Phase II, Dist. -Raipur
7	M/s Mahendra Sponge & Power P. Ltd., Industrial Area, Phase II, Siltara, Dist. -Raipur
8	M/s Baldeo Alloys Pvt. Ltd., Industrial Area Siltara, Phase II, Dist. - Raipur
9	M/s Rashmi Sponge Iron & Power Pvt. Ltd., Industrial Area Siltara, Phase -2, Raipur
10	M/s G.R. Sponge and Power Pvt. Ltd., Industrial Area Siltara, Phase II, Dist.-Raipur
11	M/s Jayaswal Neco Industries Ltd., (M/s Abhijeet Infrastructure Ltd.) Village-Giroud, Dist. - Raipur
12	M/s Vaswani Industries Ltd., Industrial Area, Siltara Phase II, Dist. -Raipur
13	M/s Bhagwati Power & Steel Pvt. Ltd., Industrial Area, Phase II, Siltara, Dist.- Raipur
14	M/s A.P.I. Ispat & Power Tech Pvt. Ltd., Industrial Area Siltara, Phase II, Raipur
15	M/s Real Ispat & Power Ltd., Borjhara, Dist. - Raipur
16	M/s Droliya Electro Steels (P) Ltd., Industrial Area, Siltara, Phase -II, Dist.-Raipur

17	M/s Hi-Tech Power & Steel Ltd., Village-Parsada, Dist.-Raipur
18	M/s Monnet Ispat & Energy Ltd., Mandir Hasoud, Dist.-Raipur
19	M/s Indsil Energy & Electro Chemicals Ltd., Industrial Area, Urla, Dist. -Raipur
20	M/s Hira Power & Steel Ltd. Unit-II, Industrial Area Urla, Dist. - Raipur
21	M/s Shri Bajrang Power & Ispat Ltd., (TMT Division) Industrial Area Urla, Dist.-Raipur
22	M/s Ultratech Cement Ltd. (Hirmi Cement Works), Village -Hirmi, Dist. - Balodabazar-Bhatapara
23	M/s Ambuja Cement Eastern Ltd., Post. - Rawan, Dist. -Balodabazar-Bhatapara
24	M/s Ultratech Cement Ltd. (Rawan Cement Works), Village -Rawan, Post-Grasim Vihar, Dist.-Balodabazar-Bhatapara
25	M/s Alok Ferro Alloys Limited, Industrial Area Urla, Raipur
26	M/s Hira Ferro Alloys Limited (Unit-2), Industrial Area Urla, Raipur
27	M/s Century Cement, Baikunth, Dist.- Raipur
28	M/s Emami Cement Limited, Village-Risda & Dhandhani, Dist.-Balodabazar-Bhatapara
29	M/s Shree Cement Limited, (Unit Shree Raipur Cement Plant) Village- Khaparadih, Tehsil- Simga, Dist.- Balodabazar-Bhatapara
30	M/s Chhattisgarh Steel & Power Ltd., Village-Amjhar, Tehsil-Champa, Distt.-Janjgir-Champa
31	M/s Steel Authority of India Limited, Bhilai Steel Plant, Bhilai, Distt.-Durg
32	M/s NTPC SAIL Power Company Private Limited, (A Joint Venture of National Thermal Power Corporation Limited & Steel Authority of India Limited) Bhilai Steel Plant, P.O. Bhilai (East) District.-Durg
33	M/s NTPC SAIL Power Company Private Limited, Captive Power Plant-2 (A Joint Venture of National Thermal Power Corporation Limited & Steel Authority of India Limited) Bhilai Steel Plant, P.O. Bhilai (East) 490021, District.-Durg

34	M/s ACC Limited Post Jamul Cement Works, District-Durg
35	M/s Topworth Steel & Power Private Limited, Village-Rasmada, Industrial Growth Centre, Borai, Tahsil & District-Durg
36	M/s Crust Steel & Power Private Limited, Village-Joratarai, District-Rajnandgaon Limited
37	M/s Raipur Power & Steel Limited, Plot No. 75 & 76, Industrial Growth Centre, Borai, Tahsil & District-Durg
38	M/s Jai Balaji Industries Limited (Captive Power Plant), Industrial Growth Centre, Borai, Tahsil & District-Durg
39	M/s Bhoramdev Sahkari Shakkar Karkhaana Maryadit, Village - Ramhepur, District - Kabirdham
40	M/s Danteshwari Maiya Sahkari Shakkar Karkhaana Maryadit, Village - Karkabhat, District - Balod
41	M/s Sardar Vallabh Bhai Patel Sahkari Shakkar Karkhaana, Village - Visesara, District - Kabirdham
42	M/s Maa Mahamaya Sahkari Shakkar Karkhaana Maryadit, Village - Kerta, District - Surguja
43	M/s Prakash Industries Ltd., Champa, Village-Hathnevrta, Tehsil-Champa, Distt.-Janjgir-Champa
44	M/s Madhya Bharat Papers Ltd (Captive Power Plants), Village-Birgahni Tehsil-Champa, Distt.-Janjgir- Champa
45	M/s Jindal Steel & Power Limited Dongamahua Captive power plant, Tamnar Raigarh
46	M/s Jindal Steel & Power Limited Patrapali, Raigarh
47	M/s Monnet Ispat & Energy Ltd., Naharpali, Raigarh
48	M/s M.S.P. Steel & Power Ltd, Jamgaon, Raigarh
49	M/s Nalwa Steel & Power Ltd., Taraimal, Raigarh
50	M/s Singhal Interprises Pvt. Ltd., Taraimal, Raigarh
51	M/s Anjani Steels Ltd., Ujjalpur, Raigarh

52	M/s Nav Durga Fuel Pvt. Ltd., Saraipali, Raigarh
53	M/s Salasar Sponge & Power Ltd., Gerwani, Raigarh
54	M/s M.S.P. Sponge Iron Ltd., Manuapali, Raigarh
55	M/s Sky Alloys Pvt. Ltd., Temptema, Raigarh
56	M/s Maa Kali Alloys Pvt. Ltd., Pali, Raigarh
57	M/s Shri Shyam Ispat (India) Pvt. Ltd., Taraimal, Raigarh
58	M/s N.R. Ispat & Power Pvt. Ltd., Gourmudi, Raigarh