

SPEED POST



February 05, 2014

B-29016/04/06/PCI-I/

To

5401  
The Chairman  
All SPCBs/PCCs (as per list enclosed)

**SUB: DIRECTIONS UNDER SECTION 18(1)(b) OF THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974 and THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981 IN THE MATTER OF POLLUTION CONTROL IN 17 CATEGORY OF HIGHLY POLLUTING INDUSTRIES , CETPs AND COMMON HAZRDOUS WASTE & BIOMEDICAL WASTE INCINERATORS- REGARDING SELF MONITORING OF COMPLIANCE**

WHEREAS, under Section 17 of the Water (Prevention & Control of Pollution) Act, 1974, and under Section 17 of the Air (Prevention & Control of Pollution) Act, 1981, one of the function of the State Pollution Control Boards(SPCBs)/Pollution Control Committees(PCCs) is to plan a comprehensive programme for the prevention, control or abatement of pollution of streams, wells and air pollution in the State/Union territory and to secure the execution thereof; and

WHEREAS, under section 16 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 16 of the Air (Prevention & Control of Pollution) Act, 1981, one of the functions of the Central Pollution Control Board (CPCB), constituted under Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards and Pollution Control Committees and to provide technical assistance and guidance to SPCBs / PCCs; and

WHEREAS, the SPCBs and PCCs are empowered to stipulate standards for discharge of environmental pollutants for various categories of industries and common effluent treatment plants (CETPs) , Common Hazardous waste and Biomedical waste incinerators even more stringent than those notified by the Central Government, under the Environmental (Protection) Act, 1986 and rules framed there under; and



WHEREAS, Pharmaceuticals, Chlor Alkali, Fertilizers, Oil Refinery, Dye and dye intermediate, Pesticides, Petrochemical, Large Power plants, Cement, Aluminium, Zinc, Copper, Iron & steel, Large Pulp & paper, Distillery, Sugar and Tannery industries located in States/UTs have been discharging environmental pollutants directly or indirectly into the ambient air and water, which pose constant threat to cause adverse effect on the water and air quality ; and

WHEREAS, Common Hazardous waste and Biomedical waste incinerators and Common Effluent Treatment Plants(CETPs) located in States/UTs have been discharging environmental pollutants directly or indirectly into the ambient air and water; and

WHEREAS, the SPCBs and PCCs are also required to ensure installation and regular operation of the requisite pollution control facilities in the polluting industries; and

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

WHEREAS, number of industries (as per list) under 17 category (Annexure-I) which are operating in the state/UT have been identified can be suitably directed for installation and commissioning of online monitoring systems (emission and or effluent); and

WHEREAS, number of Common Hazardous waste and Biomedical waste incinerators and CETPs operating in the state/UT (as per list) can also be considered for installation and commissioning of online monitoring systems (emission and or effluent);and

WHEREAS, for strengthening the monitoring and compliance through self regulatory mechanism ,online source and effluent monitoring systems need to be



installed and operated by the developers and the industries on 'polluter pays principle' ;and

WHEREAS, some of the SPCBs have already given specific conditions in consent to operate of 17 categories of highly polluting industries/ and Common Hazardous waste and Biomedical waste incinerators to install continuous emission and effluent monitoring systems; and

WHEREAS, it is envisaged in "National Environment Policy- 2006" that to strengthen the testing infrastructure and network for monitoring ambient environmental quality and progressively ensure real-time, and online availability of the monitoring data; and

WHEREAS, CPCB had earlier issued letter dated January 12,2011 to SPCBs /PCCs to direct all the 17 categories of highly polluting industries to install automatic air and water quality stations to monitor the ambient quality; and

WHEREAS ,it is becoming a need and necessity to regulate and minimize inspection of industries on routine basis and instead efforts need to be made to bring self discipline in the industries to exercise self monitoring & compliance and transmit data of effluent and emission compliance to SPCBs/PCCs and to CPCB on continuous basis; and

WHEREAS, there could be some time needed for getting such devices standardised and requiring confidence on data generated but needless to emphasize that efforts towards setting up to continuous monitoring devices is essential; and

WHEREAS, the ground truthing of the values indicated by the online devices need to be done before bringing them in public domain for proper interpretation and such measures need to be taken at the level of SPCBs/PCCs .And whereas for regulatory purposes and for purposes of actions to be taken against non complying industries /facilities, the existing methods of sampling,



analysis and related procedures under the existing statutes need to be continued; and

WHEREAS, SPCBs and PCCS have prescribed standards for various parameters as per the notified standards under Environment(Protection) Act,1986 and the State Boards may refer to the parameters which should be monitored by installing continuous effluent and emission monitoring devices(Annexure -II);and

Whereas, continuous effluent and emission monitoring devices can be installed in those industries which are continuously letting out effluents and emissions out of their premises: and

Now, therefore, in exercise of the powers conferred under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974, and 18 (1) (b) of the Air (Prevention & Control of Pollution) Act, 1981 and keeping in view strengthening of the monitoring mechanism for effective compliance through self regulatory mechanism,you are directed to issue the following directions to all the industries under 17 categories of highly polluting industries, and CETPs, Common Hazardous waste and Biomedical waste incinerators:

- a. To Install online continuous Stack Emission Monitoring Systems (CSEMS) in 17 categories of highly polluting industries and in Common Hazardous waste and Biomedical waste incinerators for the parameters(industry/sector specific parameter) mentioned in the consent to operate/authorisation not later than by March 31,2015;
- b. To install online effluent quality monitoring system at the outlet of effluent treatment plants of the 17 category industries and in CETPs for the measurement of the parameters(industry/sector specific parameter) like flow, pH, COD, BOD, TSS and for other consented parameters as per the guidelines provided; not later than by March 31, 2015;
- c. To connect and upload the online emission and effluent monitoring data at SPCBs/PCCs and CPCB server in a time bound manner but not later than by March 31,2015;






- d. To ensure regular maintenance and operation of the online system with temper proof mechanism having facilities for online calibration;
- e. To submit bank guarantee of 25 % of the cost of online monitoring systems (emission and effluent whichever applicable) for ensuring timely installation of online monitoring systems within 90 days from the date of receipt of directions issued by SPCBs/PCCs to the industries;

The SPCB shall install the necessary software and hardware in their headquarter for centralized data collection, analysis and corrective action .The action taken report along with time bound action plan for each industry under the 17 category of industry and CETPs, Common Hazardous waste and Biomedical waste incinerators for installation of online monitoring systems (emission and or effluent) shall be submitted to the Central Pollution Control Board within 120 days from the date of receipt of these directions.

(Susheel Kumar)  
Chairman

**Copy to:**

1. The Advisor(CP Division)  
Ministry of Environment & Forests  
Paryavaran Bhawan  
CGO Complex, Lodi Road  
New Delhi - 110 003
2. I/C PCI-I,II,III and HWMD
3. All Zonal Officer ,CPCB
4. ✓ I/c IT Division, CPCB
5. I/c. ESS, CPCB

  
(Susheel Kumar)



**State/UT wise List of CETP/ Common Hazardous Waste and Bio medical Waste Incinerators**

S. No.	State/ UT	CETP	Common Hazardous Waste incinerator	Bio medical waste incinerator	Total
1.	Andhra Pradesh	6	2	15	23
2.	Assam	-	-	5	5
3.	Bihar	-	-	2	2
4.	Chandigarh	-	-	1	1
5.	Chhattisgarh	-	-	6	6
6.	Daman & Diu and Dadra & Nagar Haveli	-	1	1	2
7.	Delhi	13	-	3	16
8.	Gujarat	27	5	13	45
9.	Haryana	13	1	7	21
10.	Himachal Pradesh	-	-	2	2
11.	J&K	1	-	2	3
12.	Jharkhand	-	-	1	1
13.	Karnataka	9	5	15	29
14.	Kerala	3	-	1	4
15.	Madhya Pradesh	1	1	15	17
16.	Maharashtra	27	3	34	64
17.	Meghalaya	-	-	1	1
18.	Odisha	-	-	6	6
19.	Puducherry	-	-	1	1
20.	Punjab	4	-	4	8
21.	Rajasthan	14	1	12	27
22.	Tamilnadu	49	1	10	60
23.	Tripura	-	-	1	1
24.	Uttarakhand	3	1	1	5
25.	Uttar Pradesh	4	3	13	20
26.	West Bengal	1	1	7	9
	<b>Total</b>	<b>175</b>	<b>25</b>	<b>179</b>	<b>379</b>





Annexure-II

Sl No	Category	Effluent Parameters	Emission Parameters
1.	Aluminium	pH, BOD, COD, TSS	PM, Fluoride
2.	Cement	pH, BOD, COD, TSS	PM, NO <sub>x</sub> , SO <sub>2</sub>
3.	Distillery	pH, BOD, COD, TSS	PM
4.	Dye and dye intermediate	pH, BOD, COD, TSS, Cr	-
5.	Chlor Alkali	pH, BOD, COD, TSS	Cl <sub>2</sub> , HCl
6.	Fertilizers	pH, BOD, COD, TSS, Ammonia	PM, Fluoride, Ammonia
7.	Iron & steel	pH, BOD, COD, TSS	PM, SO <sub>2</sub>
8.	Oil refinery	pH, BOD, COD, TSS	PM, CO, NO <sub>x</sub> , SO <sub>2</sub>
9.	Petrochemical	pH, BOD, COD, TSS	PM, CO, NO <sub>x</sub> , SO <sub>2</sub> ,
10.	Pesticides	pH, BOD, COD, TSS, Cr, As	-
11.	Pharmaceuticals	pH, BOD, COD, TSS, Cr, As	-
12.	Power Plants	pH, BOD, COD, TSS	PM, NO <sub>x</sub> , SO <sub>2</sub>
13.	Pulp & paper	pH, BOD, COD, TSS, AO <sub>x</sub>	-
14.	Sugar	pH, BOD, COD, TSS	-
15.	Tannery	pH, BOD, COD, TSS	-
16.	Zinc	pH, BOD, COD, TSS	PM SO <sub>2</sub>
17.	Copper	pH, BOD, COD, TSS	PM SO <sub>2</sub>

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**List of SPCBs/ PCCs**

<b>Sl. No.</b>	<b>State/ UT</b>
1.	The Chairman A.P. Pollution Control Board Paryavaran Bhawan Industrial Estate, Sanath Nagar Hyderabad – 500 038
2.	The Chairman Arunachal Pradesh Pollution Control Board Office of Principal Chief Conservator of Forests and Secretary (E & F) Govt. of Arunachal Pradesh Itanagar – 791 111
3.	The Chairman Assam State Pollution Control Board Bamunimaidan Guwahati – 781 021
4.	The Chairman Bihar State Pollution Control Board IInd Floor, Beltron Bhawan Jawaharlal Nehru Marg Shastri Nagar, Patna – 800 023
5.	The Chairman Chandigarh Pollution Control Committee Additional Town Hall Bldg. 2 <sup>nd</sup> Floor, Sector 17-C Chandigarh – 110 017
6.	The Chairman Chattisgarh State Env. Conservation Board Nanak Niwas, Civil Lines Raipur, Chattisgarh – 492 001
7.	The Chairman Daman, Diu, Dadra & Nagar Haveli Pollution Control Committee Office of the Dy. Conservator of Forests Moti Daman, Daman – 396 220
8.	The Chairman Delhi Pollution Control Committee 6th level, B-wing, Delhi Secretariat IP Estate, New Delhi – 110 002
9.	The Chairman Goa State Pollution Control Board Dempo Tower, 1 <sup>st</sup> Floor Patto Plaza, Panaji Goa – 403 001
10.	The Chairman Gujarat State Pollution Control Board Sector 10-A Gandhi Nagar – 382 043



11.	The Chairman Haryana State Pollution Control Board C-11, Sector – 6 Panchkula, Haryana
12.	The Chairman H.P. State Environment Protection and Pollution Control Board Paryavaran Bhawan Phase-III, Below BCS New Simla – 171 009
13.	The Chairman J & K State Pollution Control Board Super Bazar Building, 3 <sup>rd</sup> Floor, City Chowk Jammu
14.	The Chairman Jharkhand Pollution Control Board TA Building, HEC Campus At + P.O. – Dhurba Ranchi
15.	The Chairman Karnataka State Pollution Control Board 6, 7, 8 & 9 <sup>th</sup> Floors Public Utility Building, MG Marg Bangalore – 560 001
16.	The Chairman Kerala State Pollution Control Board Plamoodu Junction Pattam Palace P.O. Thiruvananthapuram – 695 004
17.	The Chairman M.P. State Pollution Control Board Paryavaran Parisar E-5, Arera Colony Bhopal – 462 016
18.	The Chairman Maharashtra State Pollution Control Board Kalpataru Point, 3 <sup>rd</sup> & 4 <sup>th</sup> floors Sion Matunga Scheme, Road No. 8 Opp. Cine Planet, Sion Circle, Sion (E) Mumbai – 400 022
19.	The Chairman Meghalaya State Pollution Control Board Arden, Lumbynggad Shillong – 793 014
20.	The Chairman Mizoram State Pollution Control Board M.G. Road, Khatna Aizwal
21.	The Chairman Orissa State Pollution Control Board



	A-118, Nilkanta Nagar, Unit – VIII Bhubaneswar – 751 012
22.	The Chairman Pondicherry Pollution Control Committee Department of Science Technology & Environment Housing Board Complex 3 <sup>rd</sup> Floor, Anna Nagar Pondicherry – 600 005
23.	The Chairman Punjab State Pollution Control Board Vatavaran Bhawan, Nabha Road Patiala – 147 001
24.	The Chairman Rajasthan State Pollution Control Board A-4, Jalane Dungri Institutional Area Jaipur – 302 004
25.	The Chairman Sikkim State Pollution Control Board State Land Use & Environment Cell Govt. of Sikkim, Deorali Gangtok, Sikkim
26.	The Chairman Tamilnadu State Pollution Control Board No. 100, Anna Salai Guindy, Chennai – 600 032
27.	The Chairman Tripura State Pollution Control Board Vigyan Bhawan, Pt. Nehru Complex Gorkhabasti P.O., Kunjaban Agartala (W) – 799 006
28.	The Chairman Uttarakhand Environment Protection & Pollution Control Board 29/20, Nemi Road, Dehradun, Uttarakhand" Pincode- 24800
29.	The Chairman U.P. State Pollution Control Board 3 <sup>rd</sup> Floor, PICUP Bhawan Vibhuti Khand, Gomti Nagar Lucknow – 226 020
30.	The Chairman West Bengal State Pollution Control Board Paribesh Bhawan 10A, Block LA, Sector 3, Salt Lake City Kolkata – 700 091