

Minutes of Meeting held on June 16, 2015 on online Monitoring System

A meeting was held with Industrial Associations and Common Waste Management facilities on 16.6.2015 to review the status of compliance to the CPCB's directions dated 5.2.2014 for implementation of on-line effluent and emission monitoring devices. The meeting was chaired by the Joint Secretary of MoEF&CC and Chairman, CPCB.

The meeting was attended by the Associations of 17 categories of industries and operators of common bio-medical waste management facilities apart from 13 SPCBs. The list of participants is attached at Annexure-I& Annexure-II.

Chairman CPCB in his opening address made it clear that Online Monitoring system is an important initiative of Government of India. MoEF&CC as well as CPCB are committed for its implementation. Chairman, CPCB, initiating the discussions, made it clear that the directions of CPCB issued to SPCBs on 5.2.2014 for 17 categories of industries, common Bio-Medical Waste Treatment facilities and common hazardous waste treatment & disposal facilities including Common Effluent Treatment Plants will have to be complied. He requested SPCBs to provide current status of compliance by industries giving details how many units have fully complied, partially complied and not taken any initiative so far. Chairman further mentioned that a time frame/ road map should be prepared for the industries who have not taken initiatives and in the event of extension, it should be linked with the Bank Guarantees.

Adviser (CP), Dr. Rashid Hasan reiterated that installation of on-line devices is necessary for self-regulation and to secure compliance with the standards. He further emphasized that such installations are even more critical in polluted areas.

CPCB further clarified that cost involved in installation of on-line devices is not an issue. It was also stated that installation of monitoring devices should be based on performance standards and if met by domestic manufacturers, there would be no objection for such installations provided they meet norms laid down in protocol is thus required. The performance of both domestic and international shall be checked by accredited laboratories and be ensured that results will be in acceptable range.

Chairman, CPCB invited views and intervention of industrial representations. The views given by the Associations and response of CPCB are summarized as under;

1. Alkali Manufacture Associations of India.

- (i) Out of 34 plants, 29 units have provided on-line effluent devices and 20 industries have placed the work orders for emission monitoring .
- (ii) Data from the units however, has not been hooked-up with server of SPCBs and CPCB.
- (iii) In order to complete the task of installations, Associations requested for extension of time upto 30.9.2015.

2. Bulk Drug Manufacture Association/IDMA

- (i) Mentioned about not insisting on-line for those industries connected with CETP or moved to ZLD. Installation of such devices is cost prohibitive and this will increase cost of product. The cost of online monitoring system is Rs 40 lacs approx which is not affordable for SSI units.
- (ii) Suggested for exemption for SSI for installation.

It was stated by CPCB that in case of ZLD units, the CPCB has already clarified in its guidelines that ZLD based plants have to provide cameras and linkages to be given. If any industry has taken environmental clearance, the conditions of installation of online monitoring will have to be complied.

3. Indian Chemical Council.

- (i) The Council has more than 28000 manufacturers.
- (ii) Informed that bigger units to comply first and followed by others small and medium scale industries
- (iii) There are many domestic manufacturers for online instruments, the Indian manufacturer need to be encouraged.

It was stated that there will not be any objection on installation of devices by domestic manufacturers if they meet with the performance standards.

4. Indian Paper Mill Associations.

- (i) Informed that many of the Units have installed online devices. However, there is connectivity issue for transmitting the data to SPCBs/CPCB.
- (ii) Mentioned about difficulty in monitoring AOx and this may not be insisted at this stage.
- (iii) The spike observed in the online monitoring system should be deducted and based on weighted average value of 24hrs monitoring should be considered and accordingly, standards can be matched.

- (iv) Need extension till 30.9.2015

It was stated that with regard to AOX monitoring, UV technology can be applied.

5. Small and Medium Pulp & Paper Associations.

- (i) Need extension till 30.9.2015
- (ii) In Ganga basin, units are required to meet standards for irrigations and ZLD being adopted by waste paper-based units and on-line for such industries may not be insisted.
- (iii) Most of the industries which have adopted the ZLD and production is in 5-10 ton per day capacity may be exempted from the installation of online monitoring system.

Incase of small Pulp & Paper units, it should be linked with EC conditions.

6. All India distillery association:

- (i) Most of the industries have adopted ZLD by installing RO & MEE technology.
- (ii) Requested time extension for 3-4 months i.e. by 30th September 2015.

7. Petrochemical and refinery association:

- (I) Most of the industries has informed that they have installed SO₂ and NO₂ monitoring system. For PM & CO industry need to be shut down for installation.
- (II) The association submitted that petrochemical industry has complex infrastructure and after technical evaluation, purchasing order for online instrument will be placed by December 31, 2015 and installation will be completed by June 30, 2016.
- (III) A separate meeting will be conducted with technical team of CPCB on 17th June 2015 to assess status.

It was stated that the Refineries should start sending the data for SO₂ and NO_x by 30th September, 2015 on the servers of CPCB & SPCBs. The time sought by the Refineries is too long for other parameters and it should be committed for compliance within a reasonable time frame. This has been realized on account of shut downs to be taken in accordance with the schedule of Ministry of Petroleum.

8. Mini Cement association (Small scale VSK plants) :

- I) The representative of small cement units which were commissioned between year 1984 and 2000 submitted that these units are based on vertical shaft kiln technology and semi wet process.

- ii) Because of high moisture content in kiln, sensors for online monitoring instrument do not work properly.
- III) It was also informed that due to small capital base these units need interest free loan from the government for installation of online monitoring system.

CPCB clarified in a separate meeting held on 17th June, 2015 that monitoring equipment's are available and the Association can contact the vendors for demonstration of technology/CEMS for their performance evaluation and get the CEMS installed in all the mini cement plants, based on their performance. The association will provide time schedule for installation of CEMS within a week.

9. Fertilizer association of India (FAI):

- (I) The association informed that the 70-75 % industries has already installed the online effluent monitoring system
- (II) However for installation of online emission monitoring system more time is required i.e. up to September 30, 2015.

10. NTPC:

- (I) The representative of NTPC submitted that out of 104 plants 102 plants have installed emission monitoring system.
- (II) Time extension upto October 31, 2015 is requested.
- (III) There are difference in the data transmission guidelines of some SPCB (e.g. Orissa SPCB) and CPCB, which need to be corrected and uniform guidelines should be followed.

11. Cement manufacturer association:

- i. The association informed that most of the integrated plants have installed online monitoring systems and some has been connected to SPCB.
- ii. The association requested a clarification on applicability of direction for the grinding units.
- iii. Most of the plants are located at remote locations and there are problems in data transmission.
- iv. Less than 3 MTA capacity industry need to be exempted as per MoEF notification.
- V. Time extension up to December 31, 2015 is requested.

It was stated that those industry who have set up online monitoring system first to connect SPCBs and CPCB server by 30th September, 2015 and those who have not initiated shall submit the road map.

12. Integrated steel plant (SAIL):

- (i) The representative informed that out of 5 integrated plants 3 plants are ready to connect data to the SPCB servers.
- (ii) It was also requested that the requirement of USEPA approved instrument supplying vendors need to be reconsidered as the industry has already placed order and re-tendering is not possible and also time consuming being it's a PSU which has to follow CVC guidelines.
- (iii) Time extension up to December 31, 2015 is requested.

It was stated that there will not be any objection on installation of devices by domestic manufacturers if they meet with the performance standards.

13. Chhattisgarh Sponge Iron manufacturer association:

- (I) The association requested that the units less than one million ton capacity are exempted from taking EIA and covered under schedule B of EIA.
- (II) They requested that these industries which are covered under schedule B should be exempted from installation of online stack monitoring system.
- (iii) The industries are located in remote area where even BSNL services are not available for the data connectivity.

14. Aluminum association of India:

- (i) The association informed that the online monitoring systems has been procured and in the process of installation however the SPCB servers are not ready for data transmission.
- (ii) The time extension up to 30th September 2015 requested.

15. Common Bio medical waste treatment facilities:

- (i) The representative submitted that they are not industry but serviceprovider and their investments are not very large.
- (ii) Some units have incinerators which are also not operated continuously for 24 hours. The units are working mostly for 4-6 hours in a day.
- (iii) These units should be exempted from installation of online system.

CPCB clarified in a separate meeting held on 17th June, 2015 that monitoring equipment for CO and temperature would be essential for assessing the combustion efficiency and the other parameters may not be required at this stage.

16. Dyestuff manufacturer association of India:

- (i) The association requested that they are mainly 75-80% medium & small scale industries which may be exempted from installation of online system.

In case of small Dye & dyes manufacturing units, it should be linked with EC conditions.

17. Indian Captive power producer association:

- (i) The representative from Captive power plant association (capacity less than 50 MW) raised the issue that as no clear cut coal linkages have been given to them they have to depend on various sources for coal procurement and there is a wide variation in quality of the coal.
- (ii) Due to variation in input quality of coal they are finding it difficult to install online SO₂, NO_x analysers/monitors however PM is not a difficulty. They may be allowed to install only PM monitors.
- (iii) The time extension up to June 30, 2016 requested.

18. Pesticides Manufacturers & Formulators Association of India (PFMAI):

- (i) The association submitted that the 40-50% units are medium & small scale and cannot install online monitoring system without any financial support,
- (ii) More time is required for installation of online system.

It was clarified that pesticide formulation units may not be insisted at this stage as no manufacturing activities are involved.

19. Indian Sugar Mill association:

- (i) The association informed that the most of the units has placed order for online system.
- (ii) The systems has been installed but as the sugar industry has been closed for this season. The next season will start only in November-December 2015, during which the systems will be checked and verified,
- (iv) The time extension up to December 31, 2015 requested.

Regarding issues related to the SPCB servers for data connectivity the issue will be further discussed with SPCBs after the meeting. The Chairman, CPCB also requested that the technical inputs from the industry need to be submitted for preparation of comprehensive technical protocol for online monitoring system.

Conclusions

Chairman concluded the meeting with remarks that

- (i) The Industrial Associations and Member representatives have committed to set up on-line devices irrespective of the technical difficulties/constraints.

- (ii) By-and-large, Associations have agreed for meeting the deadlines by 30.9.2015 except in case of MiniCement Plants; Refinery & Petrochemicals and Common Bio-medical facilities. For these sectors, the review will be held separately with technical team of CPCB on 17.6.2015. The meeting was subsequently held on 17.06.2015 and the response has been incorporated.
- (iii) SPCBs/PCCs will urgently inform the status of installation of devices giving list of full compliance, (both effluent and emission) partial compliance (either effluent/emission) and who have not shown any intention. This list will be made available to CPCB before 22.6.2015.
- (iv) On exemption of SSI for not installing on-line devices, it was made clear that those granted with EC where such units have been insisted, will have to comply and therefore, as per EC installations has to be executed.
- (v) CPCB has prepared guidelines for effluent monitoring and protocol/SOP for emissions and this will be placed on the web-site of MoEF&CC/CPCB and separately also circulated to SPCBs.
- (vi) The connectivity issue between CPCB and SPCBs will be taken up separately.
- (vii) In case of extensions of dead-line, BG will be must and decided as per directions issued by CPCB.

Chairman made observation that it is anticipated 90% compliance will be achieved.

- (viii) The SPCBs/PCCs will finalise the list of industries which will be insisted for installation of on-line devices taking consideration of small scale industries and the relevance of such devices as applicable to other sectors. Such 17 categories of list will be finalized and forward to CPCB.
- (ix) There will be no objection on installation of devices by the domestic manufacturers provided they meet with the performance standards which would also be applicable to imported/internationally certified manufacturers.

MEETING ENDED WITH THANK TO CHAIR.

LIST OF PARTICIPANTS

S. No.	Name	Organisation
ASSOCIATION MEMBERS		
Aluminium Smelter		
1	Sh. K. Venkatesh	Aditya Birla
2	Sh. R.K. Narang	Vedanta
3	Sh. S.S. Malhotra	
Caustic Soda		
4	Sh. B.S. Girda	AMAI
5	Sh. K. Srinivasan	AMAI
6	Sh. H.K. Anand	AMAI
7	Dr. K.V. Reddy	Aditya Birla
Cement		
8	Sh O.P. Mittal	Mini Cement Association
9	Dr.S.K.Handoo	CMA
10	Sh. Sanjay Jain	Dalmia Cement
11	Sh. Asad Warsi	Clan Tech
12	Sh. Sandeep Shrivastava	Ambuja Cement
13	Sh. Karni Singh	ACC Ltd.
13	Dr. Vinod Kr. Verma	Aditya Birla
15	Sh. AbhishekKumar	Aditya Birla
16	Sh. Vikas Ghalot	
Copper Smelter		
17	Sh. V. Jayaraman	Vedanta
18	Sh. Pradeep Singh	Vedanta
Distilleries		
19	Sh. Anant Panda	Jubilant Industries

S. No.	Name	Organisation
Dyes & Dye Intermediates		
20	Ashish Mehta	Luthra Group
21	S. K. Mishra	GDSMA
Fertiliser		
22	Sh. S. Nand	FAI
23	Sh. Manish Goswami	FAI
24	Sh. Rajiv Agarwal	ICPP Association
25	Dr. N.K. Veena	IFFCO
Integrated Iron & Steel		
26	Sh. K.M. Khare	SAIL
27	Sh. R. Mitra	SAIL
28	Sh. Sunil Singal	SAIL
29	Sh. Vijay Jhanwar	CGSIMA(Chhattsgarh sponge iron Asso)
30	Sh. Ramesh Agarwal	CGSIMA
31	Sh. B.M. Mendiratta	
Tanneries		
32	Sh. Firoz Alam	Small Tanneries, Kanpur
33	Sh. I. Ahmad	Small Tanneries, Kanpur
Pesticides		
34	Dr. Uday Kr. Srivastava	PMFAI
35	Ms. Nirmala Pathrawal	CROP CARE FEDERATION OF INDIA
36	Sh. R. D. Shroft	CROP CARE FEDERATION OF INDIA
37	Dr. Lokesh Singhal	
Petrochemicals/		
38	Sh. N.K. Borah	Assam Petrochemicals
39	Sh. Anil Ch. Barman	Assam Petrochemical
40	Sh. Mahinder Singh	CPMA

S. No.	Name	Organisation
41	Dr. Ashutosh Gautam	IGL
42	Sh. R.S. Yadav	IGL
43	Sh. Mathew P. Thomas	BPCL
44	Sh. Ramesh K.	BPCL
Drugs & Pharmaceuticals		
45	Sh. A.K. Khullar	BDMA
46	Sh. E. reddy	BDMA
47	Sh. A.K. madan	IDMA
48	Sh. Majumdar	IDMA
49	Dr. J. V. N. Reddy	Aurobindo Pharma
50	Sh. R. Reddy	Aurobindo Pharma
51	Dr. S. Hariharan	ICC
Pulp & Paper		
52	Sh. Neehar Aggarwal	IPMA
53	Sh. Rohit Pandit	IPMA
54	Sh. Vijay Kumar	INMA
55	Sh. Ved Ratna Sinha	INMA
56	Sh. P.G.Mukundan	IARPMA
57	Sh. T. Daya Prakash	IARPMA
Oil Refineries		
58	Sh. S.M. Joshi	BPCL
59	Sh. S.S Sunderjan	BPCL
60	Sh. Subhash Nandanwar	HPCL
61	Sh. Gautam	NRPL
62	Sh. K.H.Manjul	MRPL
63	K. Swaminathan	IOCL
64	M. A. Choudhary	IOCL
65	Sh. C. Abrham	IOCL
66	Sh. Gopal S.	Numaligarh Refinery Limited (NRL)

S. No.	Name	Organisation
67	Sh. Anoop Gohai	BORL
Sugar		
68	G. K. Thakur	ISMA
69	Dr. A.V. Singh	Bajaj Hindustan
70	Sh. V. Raina	Mawana Sugar
71	Sh. R.Dhingra	Mawana Sugar
Thermal Power Plants		
72	Sh. Tanmay Vyas	Association of Power producers
73	Sh. R.K. Bagchi	NTPC
74	Dr. A. Rastogi	NTPC Ltd.
Zinc Smelter		
75	Sh. L. Prgazhenlty	ILZDA
76	Sh. Veeru Mukka	ILZDA
Common Waste treatment Facility		
77	Sh. Vinod Kachhadie	CBWTF Association
78	Sh. Bijendra Srivastava	Ramky
79	Sh. Sanjiv Kumar	Ramky
80	Sh. P. Thirupathi	Telangana Stage Gen. Sec.
81	Sh. G. Srinivas Reddy	Telangana State Gen. Sec.
82	Sh. P. Bakka Reddy	JETL, Hyderabad
83	Sh. S.K.Tandon	Confederation of Delhi Industries and CETP Societies
84	Sh. Ashok Alagh	Confederation of Delhi Industries and CETP Societies

Annexure-II

CENTRAL POLLUTION CONTROL BOARD/ POLLUTION CONTROL COMMITTEES		
S. No.	Name	Organisation
1.	Sh. Subrat Mukherjee	West Bengal SPCB
2.	Sh. Krunesh Garg	Punjab SPCB
3.	Sh. Ajay Kadian	Haryana SPCB
4.	Sh. Sanjeev Kumar	Haryana SPCB
5.	Sh. Rajneesh Jain	Rajasthan SPCB
6.	Sh. M.B. Sharma	-do-
7.	Sh. P.K. Mirashe	Maharashtra SPCB
8.	Sh. Raghunathan Swami	Telangana SPCB
9.	Sh. B. Raghu	Telangana SPCB
10.	Sh. R. Kumar	TNPCB
11.	Sh. R. Harishekharan	TNPCB
12.	Dr. A.K. Swar	Odisha SPCB
13.	Sh. Chirag Bhimani	Gujarat SPCB
14.	Sh. R.N. Kashyap	Jharkhand SPCB
15.	Dr. B.R. Balangandhar	KSPCB
16.	Sh. S. Nanda Kumar	KSPCB
17.	Smt. Manju Gupta	UP SPCB
18.	Sh. A. Sudhakar	CPCB, Delhi
19.	Dr. S.K. Paliwal	CPCB, Delhi
20.	Smt. Reena	CPCB, Delhi
21.	Dr. S.K. Tyagi	CPCB, Delhi
22.	Sh. Ankur Tiwari	CPCB, Delhi
23.	Sh. Vinod Babu	CPCB, Delhi
24.	Dr. D. Saha	CPCB, Delhi
25.	Sh. Vivek	CPCB, Delhi
26.	Sh. Kamlesh Singh	CPCB, Delhi
27.	Sh. Aditya Sharma	CPCB, Delhi

28.	Sh. Bharat K. Sharma	CPCB, Delhi
29.	Sh. N.K. Gupta	CPCB. Delhi