



केंद्रीय प्रदूषण नियंत्रण बोर्ड

CENTRAL POLLUTION CONTROL BOARD

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)

(Ministry of Environment, Forest & Climate Change, Govt. of India)

परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar

Delhi - 110 032.

Sub.: Meeting held on March 18, 2016) for Tendering, procurement, Installation, operation, data purchase of 45 CAAQMS in 21 cities of 11 States/UT with funding support by 7 CPSUs – regarding.

The CPCB conceived to be procured under BOO mode (Built, Own and Operate by the supplier) for 5 years, while operator shall supply validated data to concerned SPCBs/UT & CPCB) by CPCB (vide pre-pages). In this matter, a meeting was organized with participating CPSUs [M/s RINL (1 station), NMDC (9), SAIL (7), Power Grid (1), MOIL (1), BPCL (1) and NTPC (25) on March 18, 2016 in CPCB. CPCB also invited concerned SPCBs/UT to participate in the meeting.

As desired by Chairman, Central Board in his note; M/s CCIL, M/s CIL, M/s, ONGC, M/s EIL (who also interacted to participate in this program) were also invited to participate in this meeting, please see Note below.

The meeting was attended by 6 participating CPSUs (except BPCL) and 1 interested CPSU (M/s EIL) along with 4 SPCBs (AP, MP, UP & Maharashtra) participated in the meeting. The meeting was organized in two slots: first one with CPCB, CPSUs & SPCBs and second one with CPCB & SPCBs (**Attendance sheet enclosed**).

In the discussion matter, CPCB made a presentation and discussed (a) on the delayed implementation of the program (b) Build, Own and Operate (BOO) mode of procurement (c) shouldering the responsibility by CPCB with respect to tendering, procurement, coordination with CPSUs & SPCBs, fund management, fund utilization etc. by CPCB.

The surmised discussion issues and resolutions are as under:

1. The CSR fund being meant for asset creation on the life of the CAAQMS being considered for 10 years, thus it was resolved that procurement shall be made by adoption of Build, Own, Operate and Transfer (BOOT) method, wherein vendor selected by ICB following

GFR and the selected vendor shall be asked to Build, Own, Operate and Transfer the system. In this matter contract with vendor shall be made for initial 07 years for supply of validated data to concerned SPCBs in parallel with CPCB and then the systems shall transferred over to concerned SPCBs / PCCs, who shall be responsible for operation under O&M Contract with the vendor for next 3 years.

2. CPCB to act as Nodal agency for the entire tenure of the program. CPCB may also create a separate cell for the entire period so that the project is operated smoothly.
3. Tendering to be done Zone wise (CPCB's Zonal Zone wise) so as to keep CPCB Zonal Offices in the loop.
4. Cloud server and CPCB's data transfer protocol shall be used for this program.
5. CPCB to float Expression of Interest (EoI) and on the basis of response CPCB shall act for floating International Competitive bidding (e-tender), pre-bid meeting, evaluation and award of contract etc.
6. CPCB shall prepare the revised concept note along with cost estimate and circulate the same to all participating CPSUs separately. On receipt of the approval (with token 15% of fund share), CPCB & concerned CPSU may sign MoU so as to transfer the balance fund to CPCB (yearly or for the entire period).
7. The CPCB shall maintain auditable account for the purpose and bank details etc. and intimate to CPSUs so that CPSUs may transfer fund by RTGS mode.
8. The CPCB may constitute a Committee (involving CPSUs, SPCBs & CPCB), who shall act to expedite tendering process, evaluation of tender, monitoring of the project including inspection of the operation of the entire system across the country.
9. The CPCB shall forward the meeting record, concept note to all participating CPSUs and interested CPSUs for in principle approval of the project.
10. The CPCB shall prepare time line and circulate to all.

Annexure I

Setting of Continuous Ambient Air Quality Monitoring Station under Central Public State Undertaking CSR Funds

S. No.	Zone	City	No. of CAAQMS	Name of the CPSUs	State	
01.	South	Vishakhapatnam	01	RINL (1)	Andhra Pradesh	
02.		Madurai	02	NTPC (2)	Tamil Nadu.	
03.	Central	Raipur	03 + 03*	NMDC (9) CIL (3)*	Chhattisgarh	
04.		Indore	03		NTPC (6) CIL (3)*	Madhya Pradesh
05.		Jabalpur	03			
06.		Bhopal	03 + 03*			
07.		Gwalior	03			
08.	East	Kolkata	03 + 03*	SAIL (5) CIL (3)*	West Bengal	
09.		Howrah	01		NTPC (3) CIL (3)*	Jharkhand
10.		Dhanbad	01			
11.		Ranchi	03 + 03*			
12.		Patna	02	NTPC (2)	Bihar	
13.		Bhubaneswar	01	CIL (1)	Odisha	
14.		West	Nagpur	01 + 03*	MOIL (1) CIL (3)*	Maharashtra
15.	Mumbai		01	BPCL (1)		
16.	Pimpri - Chinchwad		02	NTPC (2)		
17.	North	Delhi	02	SAIL (2)	Delhi	
18.		Faridabad	01	POWER GRID (1)	Haryana	
19.		Varanasi	02	NTPC (10)	Uttar Pradesh	
20.		Lucknow	02			
21.		Meerut	03			
22.		Allahabad	03			
Total		22 Cities	61 CAAQMS	08 PSUs	12 States	

RINL - Rashtriya Ispat Nigam Limited; **NMDC** - National Mineral Development Corporation

CIL - Coal India Limited; **MOIL** - Formerly Manganese Ore (India) Limited,

SAIL - Steel Authority of India Limited; **POWER GRID** - Power Grid Corporation,

NTPC - National Thermal Power Corporation; **BPCL** - Bharat Petroleum Corporation Limited;

* **Re-distribution for attending more coverage of left over cities has been requested to Coal India Limited**

Note:

- a. With a view to accommodate M/s Coal India Limited (CIL), due consideration has been made in this resolution. In view of this, total number of Continuous Ambient Air Quality Monitoring Station to be considered 2016 - 2017 will be 61 in 12 States and total participating Central Public Sector Undertakings would be 8 as per **Annexure I**.
- b. The tentative fund requirement is given in the table below:

S. No.	Description	Total Cost in (Rs. Crores)
01.	The estimated cost of data purchase under BOOT system is approximately Rs. 4.50 Lacs per station per month. The total annual charges will be Rs. 54.00 Lacs per station. 61 nos. of stations are being consider under Central Public State Undertaking project, so total fund requirement for five years is: Rs. 54.00 Lacs x 61 stations x 7 years:	230.58
02.	Development of Data Acquisition (Hardware & Software), Data Handling and Training (one time cost):	1.70
03.	Project staff salary for 04 officials: Rs. 18.00 Lacs per annum with 10% increment in every year. The total fund requirement for seven years:	1.78
04.	Incidental charges i.e. @Rs. 1.00 Lacs for CPCB and Rs. 1.00 Lacs for SPCB per month. 12 SPCBs are participating in the CPSUs Project i.e. Rs. 1.00 x 12 = Rs. 12.00 Lacs per month (for SPCBs), so total fund requirement in this head will be Rs. 13.00 Lacs x12x7:	10.92
Grand Total		244.98

The cost per station will be Rs. 244.98 /61 = Rs. 4.02 Crores for 7 years

Meeting ended with thanks to and from Chair.

Attendance Sheet

Sub: Meeting with SPCBs and CPSUs

Ref: Setting up of CAAQMS under CPSUs CSR Funds

Date & Time: March 18, 2016, 11.00 A.M.

Venue: Conference Hall, 2nd Floor, Parivesh Bhawan, CPCB, Delhi

S. No.	Name of the participants	Organisation
1.	Dr. D. Saha, Sc. 'E'	CPCB
2.	Sh. S.K. Sharma, Sc. 'C'	CPCB
3.	Sh. D.C. Jakhwal, Sc. 'C'	CPCB
4.	Sh. S.S.S. Murali	APPCB
5.	Sh. A. Ram Chand, CEE	APPCB
6.	Dr. Rajendra Chaturvedi, Scientist	MPPCB
7.	Sh. S.C. Kollur, Scientific Officer	MPCB
8.	Smt. Sapna Srivastava, Assistant Scientific Officer	UPPCB
9.	Sh. R.K. Bagchi, General Manager (Env.)	NTPC Ltd.
10.	Sh. G.C. Sharma, Assistant General Manager	Power Grid
11.	Sh. Somnath Acharya, Manager-In-Charge	NMDC Ltd.
12.	Smt. Rakhi Sen, Sr. Manager (EMD)	SAIL
13.	Sh. P.B.C. Rao, General Manager (Env.)	RINL
14.	Sh. Kishor Magre, Dy. General Manager (Mines)	MOIL
15.	Sh. P.S. Sharma, Dy. Manager	EIL

The Second Meeting (CPCB & SPCBs):

1. Local level Association for commissioning of the systems,

All SPCBs have agreed to extend all cooperation to the selected bidder including submission of / issuance of NOC for space, power connection, connectivity for data transfer, local security, installation of data display board etc.

2. Issues on conditions to be incorporated in Tender document including its finalization,

Since the project shall operate for 7 years, conditions like (a) the standard operation of the system for the entire period including needed maintenance so that the system can be operated for 3 more years [to the life expectancy for the system is considered to be TEN years]; (b) on completion of initial 7 years of validated data from the operator, SPCBs/PCC shall take over the station and operate the station on O&M basis, thus it was resolved that at the time of tendering process, cost of O&M from 8th year onwards shall also be considered; (c) the bidding to be done zone wise (CPCB Zonal Office wise) so that Zonal Offices of CPCB may be in the loop and better competitions in the bidding process, (d) installation of Data Centre at the Head Office of each SPCB, (e) incorporation of data validation process in the Tender document, (f) CPCB shall organize comprehensive training program for routine O&M, data validation & Auditing procedure etc. for identified Nodal Officers and his staff.

3. Participation in the pre-bid meeting,

All SPCBs have agreed for their participation in the pre-bid meeting, bid evaluation as and when required.

4. Fund transfer to SPCBs & submission of U/C,

For Routine Activity by SPCBs

It was resolved that SPCB shall engage one Technical personal for regular association with the system and provide information to CPCB so that provide correct information on AQI.

The SPCBs shall also constitute one committee for data validation at local level having representative of IIT or institute of repute, Zonal Office of CPCB etc.

It was requested by all SPCBs that they should be given a grant of Rs. 12 Lacs per annum / Board to meet the expenses for

engagement of addition project staff for data / status management on daily basis and meeting the expenses for incidental charges for data validation on quarterly basis, inspections etc.

For Data Purchase

It was resolved that the data validations shall be done by the committee at SPCBs level on regular basis (Quarterly) and submit to CPCB for release of payment to the operator. This was decided so that the CPCB can maintain the fund properly.

- 5. Maintenance of status of systems on regular basis,

It was agreed that the SPCBs shall provide operational status of each station well in advance so that no wrong information is given in the AQI to public in general.

- 6. Any other issues.

Ambient Station: It was agreed by all that while selection of stations adequate care is taken to meet the requirements of Ambient Air Quality Station.

Station for new capital city of Amravati: The representative of Andhra Pradesh PCB requested to consider some stations for their new capital being set at Amravati. It was also resolved that they would approach RINL at their level for getting the fund and forward the acceptance to CPCB, who would increase the number of systems in the Tender document.

In the meeting, it was agreed by all that the issues related to taking over of the Stations and operate under O&M contract, recruitment of staff for the project on contractual basis, receipt of fund from CPCB including its timely utilization, active participation in this program shall be taken up in respective Board meeting and resolution taken in principle therein shall be submitted to CPCB at an early date.

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Meeting ended with thanks to and from Chair.
