

Minutes of the 18th Meeting of Project Appraisal & Approval Committee (PAAC-EPC)

The 18th meeting of PAAC-EPC headed by Chairman CPCB was held on April 22, 2020 at CPCB, Delhi to discuss the issues related to project on smog tower awarded to IIT Bombay. List of Participants is placed at **Annexure-I**.

DH AQM briefed PAAC-EPC committee about the background of the project and informed that subsequent to the approval of the project by PAAC-EPC in the last meeting held on 28.1.2020, the draft MoU prepared by CPCB was sent to IITB for concurrence along with the final project cost (Rs 18.58 crores) based on the review by CPCB. IITB in response have sent the revised MoU (Rs 18.52 crores) to CPCB wherein there are various issues that needs to be discussed and resolved. The issues were discussed and following decisions were taken:

1. Signing of Tripartite agreement between CPCB, IITB and TPL – Committee recommended that tripartite agreement can be signed with IITB giving its advice to CPCB on inclusion of TPL along with the reasons for involving TPL. Accordingly, the payments will be released to IITB and TPL separately as per the MoU. Release of funds to TPL will be done on the recommendations of IITB.
2. Coordination of the overall project and operation and maintenance of smog tower – Committee felt that IITB should take the full responsibility of overall coordination of the project. The operation and maintenance of the project shall be carried out by TPL as it will be involved in designing and commissioning of tower and therefore will be having expertise to operate the tower and can easily carry out maintenance. TPL submitted that the cost of O&M is not included in the proposed budget and the institutional overheads are for the services provided for installation and commissioning of tower. Committee suggested that O&M can be given to TPL under AMC. TPL shall submit proposal for 4 years AMC to CPCB through IIT Bombay with detailed cost break-up. AMC for four years includes two years post installation of tower and two years' post completion of study by IITB. Warranty available for first year after commissioning of tower shall be taken into account in the AMC proposal. Warranty clause shall not cover filter component.
3. Timeline for installation of smog tower- IITB and TPL informed that it is not technically possible to complete the project in 03 months. As per the details worked out for execution of the project it can be completed within 10 months with all best efforts. Committee recommended that IITB and TPL should provide detailed justification for timeline of 10 months.
4. Payment terms and deliverables – Committee recommended that terms of payments be finalized in a manner that these align with various project activities so as to ensure smooth execution of the project.
5. Bank guarantee and utilization certificate – TPL to provide bank guarantee amount equal to the advance payment released by CPCB. This shall exclude the payment amount to be paid to UoM. UoM component of payment shall be released on recommendations of IITB. IITB shall submit UC/details of committed expenditure to CPCB for release of funds.
6. PAAC-EPC agreed to the project cost of Rs 18.52 crores plus actuals and AMC shall be submitted by TPL through IITB for consideration.

PAAC-EPC committee recommended CPCB to modify the MoU based on above decisions and further make changes on other minor points of MoU and formalise the same quickly with IITB.

List of Participants:

1. Sh. Ravi Shanker Prasad, Chairman, Central Pollution Control Board
2. Dr. Prashant Gargava, Member Secretary, Central Pollution Control Board
3. Sh. Sundeeep, Director, MoEF&CC (via VC)
4. Sh. Sudheer Chenttapali, Addl. Director, MoEF&CC (via VC)
5. Sh. Gaurav Kumar, Director, MoPNG (via VC)
6. Dr. J.B.V. Reddy, Scientist 'E', DST (via VC)
7. Sh. R. K. Jaiswal, Development officer, DHI (via VC)
8. Dr. Rashid Hasan, Advisor., SIAM (via VC)
9. Sh. Anwar Ali, SEE, DPCC (via VC)
10. Sh. Utsav Sharma, RO, UPPCB, Ghaziabad (via VC)
11. Sh. Praveen Kumar, RO, UPPCB (via VC)

List of Proponents:

1. Prof. A. M. Pradeep, Assoc. Dean (R&D), IIT Bombay (via VC)
2. Prof. Y. S. Mayya, Professor, IIT Bombay (via VC)
3. Prof. Manoranjan Sahu, Asst. Professor, IIT Bombay (via VC)
4. Ms. Joyita Roy Sarkar, IIT Bombay (via VC)
5. Sh. Pralhad Panwar, CTO, Tata Projects Limited (TPL) (via VC)

CPCB Officials:

1. Sh. V. K. Shukla, Sc. 'E' and Head, AQM
2. Sh. Virendra Bansal, Head F&A, CPCB
3. Sh. G. Rambabu, Scientist 'D' and Head Law Division, CPCB
4. Sh. Ankush Tewani, Scientist 'D', AQM
5. Sh. Gautam Sharma, Scientist 'B', AQM
6. Sh. Toshesh Bhargava, JRF, AQM
7. Sh. Hrishi Kaushik, SRF, IT Division