

**Minutes of the 10<sup>th</sup> PAAC-EPC held on October 24, 2018 at CPCB**

The Tenth meeting of Project Appraisal & Approval Committee (PAAC-EPC) was held on October 24, 2018 at CPCB. The meeting was convened under the chairmanship of Chairman, CPCB. List of participants is placed at **Annexure-I**. Committee was briefed about the status of EPC funds.

Sixteen Proposals (03 revisions, 11 new external agencies proposal and 02 CPCB proposals) were considered, and committee's decisions are as below:

**A. Approved Proposals**

- (i) **Delhi air quality experiment: A paradigm shift in source apportionment submitted by IIT, Kanpur:** Prof. Tripathi presented the findings of the study conducted to ascertain sources of pollution on real time basis in Delhi and discussed about the findings indicating contribution from regional sources. Committee expressed that it is a good proposal although not real time but it will look into secondary aerosols and their sources, and, will enhance the understanding of local and regional sources. However, a similar study is under consideration by Delhi Government to Washington University and therefore its scope should be checked to avoid duplication.

The PAAC-EPC approved the proposal in principle for two seasons subject to confirmation regarding Delhi Govt. study to avoid duplication.

- (ii) **Does Poor Air Quality from Crop burning in close proximity to residential areas adversely affects children's respiratory health submitted by TERI:** Based on the earlier recommendations of the PAAC-EPC, the revised proposal was submitted with reduction in cost and sample size of the study made more representative with inclusion of studying impact on men, women and as well as children. Cost was reduced from Rs 82.88 lakh to Rs 50.19 lakh and sample size increased from 1200 representatives to 3600 representatives.

PAAC-EPC approved sanction of EPC funds for this study to TERI at a cost of Rs. 50.19 lakhs (Inclusive GST).

- (iii) **Purchase of vehicle for mobile monitoring station:** PAAC-EPC was briefed that there is requirement of purchase of vehicle for mobile monitoring station as the existing vehicle has become defunct. Analysers for the mobile monitoring station and other stations have already been purchased from the EPC funds sanctioned by PAAC under the project "Up-gradation of laboratory infrastructure in Delhi-NCR". The vehicle can be purchased from the remaining fund available under the said project by CPCB.

PAAC-EPC approved utilization of already sanctioned EPC funds for purchase of vehicle by CPCB for mobile monitoring station under the project "Up-gradation of laboratory infrastructure in Delhi-NCR" as per actual.

- (iv) **CPCB field visits for feedback on air polluting activities in Delhi:** PAAC-EPC was briefed that there will be requirement of payment of TA/DA/ monitoring allowance and vehicle bills for the field visits of teams since September 15, 2018 as done during previous financial year.

PAAC approved utilization of EPC funds as per actual for payment of TA/DA/ monitoring allowance and vehicle bills under the project "CPCB field visits for feedback on air polluting activities in Delhi".

  


## B. Proposals under consideration:

- (v) **Conversion of End-of-life and In-use Diesel Vehicles in Electric Vehicles submitted by Indian Institute of Petroleum (IIP), Dehradun:** PAAC-EPC was briefed that the proposal was sanctioned during 9<sup>th</sup> meeting wherein it was decided that IIP will obtain type approvals of the developed electric conversion kits from concerned agencies for wider application. Subsequently, IIP vide e-mail dated 18.9.2018 made a representation to CPCB requesting not to include type approval of kit as it was not part of the project proposal. Further, subsequent to the lab scale tests and demonstration, field trials are needed before sending it for type approval. Accordingly, type approval may be taken up subsequently and if required in separate study.

IIP representative was invited to discuss the matter through video-conference but could not participate due to prior commitment.

Committee members expressed concern on the issue of safety from usage of electric conversion kits developed under this project and also there is need to check the policy of Central Government on conversion of end-of-life and in-use diesel vehicles to electric vehicles. PAAC-EPC decided that Ministry of Road, Transport and Highways and Department of Heavy Industries, Ministry of Commerce and Industry being the concerned parent ministries in the matter, the proposal shall be forwarded to them to obtain comments before further consideration of the proposal.

## C. Rejected Proposals

PAAC-EPC was briefed that 11 mass awareness proposals on air pollution were received by CPCB for funding under EPC funds and these have been invited for presenting the proposals before PAAC-EPC. Out of 11 project proponents, 8 project proponents were present during the meeting and these presented their proposals before PAAC-EPC:

- 1) Hawa Badlo/ Mission Hawa submitted by Adventures
- 2) Campaign for creating mass awareness on air pollution and its impacts on health among target population groups in Delhi-NCR submitted by Indian Pollution Control Association (IPCA)
- 3) Clean air champions for clean cities submitted by Clean Air Asia
- 4) Capacity development for air quality education, awareness and training submitted by Shiksha Sankriti Utthan Nyas
- 5) Be AIRoSmart! An education, awareness and action programme on issues related to air pollution submitted by TERI
- 6) Popularisation and Demonstration of in-situ paddy straw management machinery in model villages submitted by Punjab Agriculture University, Ludhiana
- 7) Mass awareness on air pollution submitted by SKP Engineering Solutions (P) Ltd.
- 8) To sensitize students to environment issues specifically air pollution submitted by Teach for Green.

PAAC-EPC suggested Punjab Agriculture University to approach Punjab Government for funding of their proposal under Information, Education and Communication activities for which funds have already been provided by Central Government.

PAAC-EPC did not approve any of the proposals considered under the mass awareness category during the meeting. PAAC-EPC opined CPCB and MoEF&CC may look for government agencies that have technical human resources to execute mass awareness proposals related to air pollution.

It was decided that updated status of EPC funds and on-going projects may be presented in the next meeting.

**The meeting ended with vote of thanks to the Chair.**

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**List of participants:**

1. Shri S. P. Singh Parihar, Chairman, Central Pollution Control Board
2. Dr. Prashant Gargava, Member Secretary, Central Pollution Control Board
3. Shri Satyendra Kumar, Deputy Secretary, MoEF&CC
4. Dr. V. K. Soni, Head, EMRC, IMD/MoES
5. Shri J. B. V. Reddy, Sc. 'D', DST
6. Shri R. K. Jaiswal, Development Officer, DHI
7. Shri Atanu Ganguli, Dy. Exec. Dir., SIAM
8. Ms. R Ramila, SO, IFD, MoEF&CC
9. Shri Neeraj Khare, Officer, Biofuel Cell, MoPNG
10. Shri K. M. Srivastava, AEE UPPCB, Noida

**List of Proponents:**

1. Shri Arjun Bhalla, Adventures
2. Dr. Radha Goyal, Deputy Director, Indian Pollution Control Association
3. Ms. Saloni Sharma, Project Assistant (Air Quality), Clean Air Asia
4. Shri Deepak Singh, Shiksha Sankriti Uthan Nyas, Narayana
5. Shri Sanjay Kumar Swami, Shiksha Sanskriti Uthayan Nyas
6. Ms. Livleen Kahlon, Associate Director, TERI
7. Ms. Neha, Fellow, TERI
8. Dr. Gursahib Singh, Senior Research Engineer, Punjab Agriculture University, Ludhiana
9. Dr. Manpreet Singh, Assistant Research Engineer, Punjab Agriculture University, Ludhiana
10. Shri Pratyaksh Kumar, Technical Director, SKP Engineering Solutions (P) Ltd.
11. Shri Ajay Kumar, Founder, Teach for Green
12. Shri Mihit Gupta, Program officer, Green for Teach
13. Shri S. N. Tripathi, Professor, IIT Kanpur
14. Ms. Meena Sehgal, Fellow, TERI

**CPCB Officials:**

1. Shri V. K. Shukla, Sc. 'D' and Head, Air Lab, CPCB
2. Shri Ankush Tewani, Sc. 'C', AQM, CPCB
3. Ms. Parinita Baruah, JRF, AQM
4. Shri Toshesh Bhargava, JRF, AQM
5. Ms. Parul, SRF, AQM
6. Shri H. R. Kaushik, JRF, IT Division
7. Shri Rakesh Chandra Dalakoti, MTS, AQM