

Minutes of the 16th meeting of Project Appraisal & Approval Committee (PAAC-EPC)

The 16th meeting of PAAC-EPC headed by Chairman CPCB was held on October 10, 2019 at CPCB, Delhi. List of participants is placed at Annexure – I.

The meeting commenced with brief discussion on project proposal placed on agenda. Three revised and one fresh proposal was placed before PAAC-EPC for consideration. The observation and decisions of the technical committee are summarized below:

- 1. Health impact of firecrackers bursting during Diwali in National Capital of Delhi:** Project proponent presented the revised proposal before PAAC-EPC and informed about enhanced project cost from Rs 1,50,60,000 to Rs 2,63,45,000 due to inclusion of JRFs and testing of 400 blood and urine samples i.e., 200 samples each pre and post Diwali event as against 200 proposed earlier. Project proponent further clarified that biomarker IL-6 and IL-8 was proposed to be analysed earlier under the study however considering that the two biomarker have similar response now it is proposed to analyse carboxy-hemoglobin instead of IL-8. Committee suggested that proponents should associate with nearby major hospitals for medical record and other public health information influenced under air pollution. The committee felt the project to be useful for understanding public health impact of firecrackers during festival and thus approved the proposal and sanction of EPC funds for the study to MAMC at cost of Rs 2,63,45,000/-.
- 2. A prospective cohort study of Air Pollution Impact on Respiratory System:** Dr. Sagnik Dey presented the proposal with increased study period from 03 to 04 years and corresponding revised budget from Rs 96.40 lakhs to Rs 188.74 lakhs. Dr. Dey informed that project duration has been increased by 1 year based on DAPHNE (Delhi Air Pollution Health and Effects) study experience and expressed the necessity for examination of 1000 samples for an effective outcome of cohort study-analysis. PAAC-EPC expressed that a health study is already being conducted by MoEF&CC for 20 cities including Delhi, and accordingly advised CPCB to enquire whether COPD cohort study is included in MoEF&CC study in order to avoid duplication of work, before further consideration of this proposal by PAAC-EPC.
- 3. Demonstrating the feasibility of reducing air pollution exposure in urban area by using large scale cleaning system:** The proposal involves development and deployment of large scale air purifying system similar to Xian –SALSCA (Solar-Assisted Large-Scale Cleaning System). China with change of system operation through downdraft approach for reduction of pollutants. Committee appreciated the project proposal and recommended to forward the proposal to DST committee for their opinion on technology, energy requirement and on cost of project besides possibility of considering this project under CSIR funds. PAAC-EPC also recommended involving DPCC during evaluation of project proposal by DST committee.
- 4. Investigations into mass and chemical characterization of fugitive dust and settling up environmental guidelines for control of these emissions in Delhi-NCR:** PAAC-EPC was informed that as desired in the last meeting CPCB enquired about work done on development of source profiles of PM_{2.5} for road dust and same was confirmed by TERI. However, TERI had developed source profile of PM_{2.5} for only road dust, using single chamber technique. In present proposal IIT-K

 

proposed to work on fugitive emission profiles $PM_{2.5}$ for road dust, C&D, Fly ash with double chamber technique to obtain better accuracy of profiles. Committee expressed the need of conducting a source profile study with wider scope and objective to include more sources and involve experts from multiple institutions such as IIT-Mumbai, NEEERI, TERI etc. PAAC-EPC accordingly expressed to work out the revised proposal.

Meeting ended with vote of thanks to the Chair.


Anurag


List of Participants:

1. Sh. S. P. Singh Parihar, Chairman, Central Pollution Control Board
2. Dr. Prashant Gargava, Member Secretary, Central Pollution Control Board
3. Dr. V. K. Soni, Head, EMRC and Sc. 'E', IMD/MoES
4. Dr. M. P. George, Sc. 'D', DPCC
5. Dr. Rashid Hasan, Advisor., SIAM
6. Dr. J. B. Sharma, RO, HAPCB, Faridabad
7. Sh. Naveen Gulia, RO, HSPCB, Ballabgarh
8. Sh. B. K. Singh, AEE, UPPCB, Ghaziabad
9. Sh. Subhash Chandra, UPPCB, Ghaziabad

List of Proponents:

1. Prof. Sagnik Dey, Professor, IIT Delhi
2. Prof. Y. S. Mayya, Professor, IIT Bombay (via VC)
3. Dr. Mukesh Sharma, Professor, IIT Kanpur (via VC)
4. Dr. Harpreet Singh, Maulana Azad Medical Collage, Delhi
5. Sh. Govind, Maulana Azad Medical Collage, Delhi
6. Ms. Amrapali, Maulana Azad Medical Collage, Delhi

CPCB Officials:

1. Sh. V. K. Shukla, Sc. 'E' and Head, AQM
2. Sh. Ankush Tewani, Scientist 'D', AQM
3. Sh. Toshesh Bhargava, JRF, AQM
4. Mrs. Simpy Singh, JRF, AQM
5. Sh. Hrishi Kaushik, SRF, IT Division