

Annexure R 2(B)
(3 pages)

Minutes of the Committee meeting held on 16.04.2021 via google meet subsequent to the Order dated 09.03.2021 of Hon'ble National Green Tribunal in O.A Nos.76 of 2017, 259 of 2017 and 260 of 2017 dealing with Air pollution and related matters in eight cities of Kerala.

The meeting commenced at 02.30 pm. The following committee members attended the meeting.

1. Dr M.T Karuppiah
Scientist 'D' MoEF& CC
Regional Office, (South Eastern Zone) – Chennai
2. Dr S Prabhu
Scientist 'C' MoEF& CC
Regional Office (South Zone) – Bengaluru
3. Dr R. Sivacoumar
Sr. Principal Scientist
CSIR- NEERI Zonal Centre, Chennai.
4. Dr Deepesh. V
Scientist 'C'
Central Pollution Control Board
Regional Directorate -South (Bengaluru)
5. Smt. Bindhu Radhakrishnan (Member Convenor)
Senior Environmental Engineer
Kerala State Pollution Control Board

Shri Bijumon K, Enforcement RTO, Motor vehicle Dept. was unable to attend the meeting due to certain official preoccupation/ inconvenience. Smt. Bindhu Radhakrishnan, the Member Convenor, cordially welcomed the members of the joint committee to the meeting and briefly explained about the Order dated 09.03.2021 of Hon'ble National Green Tribunal in O.A Nos.76 of 2017, 259 of 2017 and 260 of 2017 dealing with Air pollution and related matters. The Member Convenor highlighted that the Hon'ble NGT Southern Zone, Chennai vide order

dated 09.03.2021 in the matter of O.A. No. 259/2017 (SZ) directed to ascertain the probable peak period and conduct the ambient air quality study and suggest remedial measure after identifying the source and apportioning the liability of the person who will carry out the remedial measures in an effective manner to curb the air pollution in Cochin. It was also directed to conduct Emission inventory and source apportioning studies in these areas so as to ascertain the nature of pollution for a long time and ascertain the source of pollution and then suggest remedial measures to curb the same.

Dr R. Sivacoumar, Sr. Principal Scientist, CSIR- NEERI Zonal Centre, Chennai invited the attention of the committee towards the summary of order and cited the need of emission inventory studies for all 8 cities, Air quality monitoring during peak operation, and remedial measures that needs to be submitted before Hon'ble NGT etc. He also enquired about the possibilities of completing the air quality monitoring studies before July 14th. The convener pointed out the difficulties in conducting the air quality monitoring studies before July 14th as peak status is not expected to achieve and as it's a time consuming process which requires proper planning, execution, financial aid and which may take minimum one year duration. He informed the Committee that, based on his experience at NEERI, source apportionment study will take a minimum of fifteen months time as it includes monitoring as well as air quality modelling. He enquired the committee, regarding the cost of source apportionment study per city and the source of funding for the study. Dr Deepesh. V, Scientist 'C', Central Pollution Control Board mentioned that cost of Source apportionment study may vary from one to 2 Crores per city which depends upon the factors like size of the city, rate of development in the city etc.

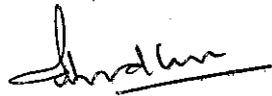
The Committee members then discussed about the points to be considered in finalizing the agencies to conduct the air quality monitoring and modelling. The convener requested Dr Deepesh. V, to provide the list of CPCB approved agencies, if any, for conducting the study. Regarding agencies for conducting the study, Dr R. Sivacoumar suggested that the agency should do air quality monitoring covering all major seasons round the year. Dr Sivakoumar also mentioned that the agency should have sufficient equipment and sufficient expertise in the field for carrying out the work. Other Committee members also have agreed to the point. Dr M.T Karupiah, Scientist 'D', MoEF & CC, Regional Office, (South Eastern Zone), Chennai pointed out the need of uniform methodology to be followed for monitoring and modelling. It was finally decided

to incorporate at least four agencies and request them to suggest their methodologies. CPCB member, informed that CPCB has already framed a conceptual methodology and framework for carrying out emission inventory/ source apportionment studies based on the inputs from organisations like IITs, ARAI, NEERI and TERI. Methodology shall be finalized by the committee and will be directed to all the agencies.

The tentative proposal for carrying out Source Apportionment studies, selection of funding agencies and agencies for carrying out the air quality monitoring study shall be finalized by the committee in the next sitting based on the inputs from Dr Deepesh. V and Dr R. Sivacoumar.

The convenor, Smt. Bindhu Radhakrishnan concluded the meeting with a suggestion that another meeting can be held once the proposal is received from Dr Deepesh. V and Dr R. Sivacoumar.

Meeting came to an end at 03.15 pm and the next meeting of the committee is proposed to be conducted in the first week of May 2021.


CONVENOR

**LIST OF ATTENDANCE OF THE VIDEO CONFERENCE CONDUCTED
ON 16.04.2021**

MEMBERS

SIGNATURE

1. Dr. M.T Karuppiah
Scientist 'E',
MoEF& CC, Regional Office,
Chennai.



2. Dr. S Prabhu
Scientist 'C'
Regional Office (South Zone)
MoEF& CC Regional Office,
Bengaluru



3. Dr. Deepesh. V
Scientist 'C'
Regional Directorate,
Central Pollution Control Board,
Bengaluru



4. Dr. R. Sivacoumar, Sr.
Principal Scientist
CSIR- NEERI Zonal Centre CSIR
Complex, TTTI, Chennai.



5. Sri. Bijumon K
Regional Transport Officer
Enforcement Division,
Thiruvananthapuram

Absent

6. Smt. Bindhu Radhakrishnan Senior
Environmental Engineer Kerala State
Pollution Control Board,
Thiruvananthapuram

