

## Protocol for shortlisting of NABL labs

- I. Display of validated methodology to be used for emissions testing by CSIR-NEERI and NABL labs at website of CSIR-NEERI, PESO and CPCB/MoEF including the following :
  - a. Sampling infrastructure and protocol
  - b. Instrumentation details and analysis methods
- II. Inviting EoI by CSIR-NEERI from labs ( with NABL background) across the country for testing fireworks samples using above validated methodology
- III. Constitution of committee including CPCB, IIT-B & CSIR-NEERI for shortlisting labs with NABL background
- IV. Monitoring , cross checking results of tested samples and verification of emissions testing facility, expertise and methods of analysis of NABL labs by duly constituted committee including CPCB,IIT-B & CSIR-NEERI
- V. Shortlisting of labs for emissions testing by CPCB, IIT-B & CSIR-NEERI
- VI. Submission of samples by FW manufacturers to shortlisted NABL labs /CSIR-NEERI ( after completion of steps ii-v)
- VII. Data sharing by shortlisted NABL labs ( after completion of steps ii-v)for computation and assessing emissions reduction of green crackers vis-a vis conventional counterpart by CSIR-NEERI for maintaining conformity and issuance of QR code through single window
- VIII. Issuance of emissions testing certificate alongwith compositional analysis by CSIR-NEERI with QR codes ( to be issued )and green logo
- IX. Pan India Implementation of Emissions testing facility (ETF) to be initiated by setting up ETF at Sivakasi to begin with

The NABL labs shall be shortlisted and duly approved by technical committee constituted as follows:

- i) Dr Rakesh Kumar , Chairperson
- ii) Prof Sethi : Technical expert , IIT-Bombay
- iii) Dr Abhijit Pathak : Technical expert , CPCB
- iv) Dr A. D. Bhanarkar : Technical expert ,CSIR-NEERI
- v) Dr S. Rayalu :Green cracker formulation &policy interventions expert, CSIR-NEERI
- vi) Er Shilpa: Digital quality control expert , CSIR-NEERI