

**SPECIFICATION:**

**ONLINE EMISSION MONITORING SYSTEM-BOILER**

Integrated CEMS for SPM and GAS Measurement Required

Duo Analyser (Gas & SPM)

Ranges:

SO<sub>2</sub>: 0-50mg/NM<sup>3</sup>

NO: 0-350mg/NM<sup>3</sup>

CO: 0-150mg/NM<sup>3</sup>

O<sub>2</sub>: 0-25%

SPM: 0-50mg/NM<sup>3</sup>

Should Include:

1. Duo Analyser with Panel,
2. Laser emitter L318,
3. Receiver unit R318 with 50 mm detector,
4. Auto Sequential Sampler,
5. Sample conditioning System,
6. Single Phase Step Down Transformer 1KVA (Input 230VAC, Output 110VAC)
7. Compatible to Remote Calibration unit as per latest CPCB Norms
8. Should connect and transmit data to TNPCB server
9. Heated Sample Line for Gas Sampling: 35 mtr approx
10. Sampling Probe with tip filter
11. Signal Transmission Cable (approx 50 Meter) From SPM detector to Analyser
12. Small capacity compressor for providing instrument air to gas analyser (Flow rate 10litres/min at 6kg/cm<sup>2</sup> Pressure)
13. Remote Calibration Module (upload SPM and GAS data to TNPCB server)  
Remote Calibration directly from CPCB/SPCB Server without any intermediate PC as per guidelines
14. Cable laying in supplier scope. Cable tray will be provided by BHEL. Cable tray layig in supplier scope
15. Installation Erection and commissioning in supplier scope