

Appendix-II

Sr. No.	Name of the item with specifications	Qty.
1.	<p>Computerised Petrol engine set-up</p> <ul style="list-style-type: none"> ● Three Cylinder , 4 Stroke, Brand New Petrol engine ● Multi Point Fuel Injection, Displacement :796 (cc) ● 10HP Eddy Current Dynamometer. ● Electronic ignition system to adjust ignition timing and Engine Knock Detector ● Software: Engine Combustion Analysis and performance Software. ● Flue gas analyser measures five gases including Hydrocarbons (HC), Carbon Monoxide (CO), Carbon Dioxide (CO₂), Oxygen (O₂), and Oxides of Nitrogen (NO_x). ● CO and CO₂ and HC measurement shall be based on NON-DISPERSIVE INFRA RED (NDIR) and FID method. NO_x and O₂ measurement is carried out with an UV analyzer <p>Accuracy</p> <p>CO: 0 to 1,499 ppm: +-30 ppm abs., 1,500 ppm to 49,999 ppm: +-2% rel.;</p> <p>CO₂: 0 9.99 vol.%: +- 0.1 vol.% abs., 10 - 20 vol.%: +-2% rel.</p> <p>NO: 0 5,000 ppm: +-0.2% FS or +-2% rel. NO₂: 0 2,500 ppm: +-0.2% FS or +-2% rel.</p> <p>HC: 0 to 249 ppmC₁: +-5 ppmC₁, 250 to 30,000 ppmC₁: +-2% rel.</p> <p>O₂: +-1 vol.% FS</p>	01