

Annexure-V

Compliance report

Note: The bidder is required to mention detailed specifications clearly in column named as Specifications from Bidder against each item as mentioned in below format. Please note that merely mentioning Yes/No in deviation column will lead to disqualification of the bidder.

(I) Name of Instrument : Computerised Diesel engine set-up

Sr. No.	Specification of e-Tender	Specification of Bidder/Vendor	Deviation (Yes/No)	Remarks
1.	Computerised Diesel engine set-up <ul style="list-style-type: none"> • Two cylinder, 4 stroke, Diesel engine with Exhaust Gas Recirculation with EGR cooler • Power: 35BHP@ 3750RPM or better. • Torque : 75Nm @1800-2200RPM or better. • Electric Start • Engine Aspiration: Engine should have the ability to run on both natural and turbo charged mode • Diesel Injection Pressure sensing • Fuel System: CRDI Diesel injection with the ability to change the start of injection, injection duration, injection pressure and multiple injection. Charging of injection parameters should be controlled from the computer. • The engine should be capable to run on CNG as secondary fuel. • Dynamometer: The Engine should be coupled with suitable Eddy Current Dynamometer with strain Gauge Load cell. • Controls: Fuel injection System with controls • Software: Engine Combustion Analysis and performance Software, Fuel injection and control software. • Crank Angle sensor of 0.1° • Smoke meter for full load application 			

	<ul style="list-style-type: none"> • Measurement range: 0 to 10 FSN (filter smoke number) Detection limit : 0.002 FSN or 0.02mg/m^3 • Resolution: 0.001 FSN or 0.01 mg/m^3. 			
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(II) Name of Instrument : Computerised Petrol Engine set-up

2.	Computerised Petrol Engine set-up <ul style="list-style-type: none"> ● Three Cylinder, 4 Stroke. Brand New Automotive petrol engine water cooled, 4 valve per Cylinder, with catalytic convertor. ● Multi Point Fuel Injection, Displacement: 998 (cc) or better. ● Suitable Eddy Current Dynamometer. ● Fuel Quantity Control (Lambda based) Fuel Calculations- Open ECU Injection Angle Control (Injection Stop Angle Before TDC) ● Ignition Time Control, ● Dwell Time Control, ● Electronic Throttle Control, ● Crank Angle Sensor 0.1° ● Software: Engine Combustion Analysis and Performance Software. ● Exhaust Gas analyzer to measures five gases including Hydrocarbons (HC), Carbon Monoxide (CO), Carbon Dioxide (CO2), Oxygen (O2), and Oxides of Nitrogen (NOX). <p>For both diesel & petrol application</p>			
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