

**E6/38/16 Electrical equipment for Mechanic Diesel trade**

SL NO	SI No in the syllabus	Item Description	Recommended specification	QUANTITY REQUIRED
1	6	Ammeter 300A/ 60A DC with external shunt	<u>Ammeter</u> - 60-300A DC with external shunt Analog type with all accessories and leads.	4
2	30	DC Ohmmeter 0 to 300 Ohms, mid scales at 20 Ohms	<u>DC Ohmmeter</u> -0 to 300 Ohms, mid scales at 0-20 Ohms With all accessories and leads.	2
3	83	Multimeter digital	<u>Multimeter</u> - Digital type, hand held, Range- DC volt 200mv-1000v, AC volt 200mv -750volt, AC current 200 $\mu$ A-20A, DC current range upto 20A. Resistance upto 200 Mega ohm, capable of checking resistance, continuity, diode, hfe test etc. With all accessories, battery and leads. Branded, New	5
4	87	Oscilloscope 20MHz	<u>Oscilloscope 20MHz</u> - C.R.O Dual trace/ Double beam 20 MHZ, 20 MHZ band width - DC 20 MHZ , max , input - 400v , display mode - CH1 ,CH2, CH1&CH2, alternate or chop mode , sweeper speed : auto normal , single Branded,New (Performance test needed) Warranty/guaranty started from the date of satisfied performance test only. Commissioning expense meet by the supplier.	2
5	143	Temperature gauge with sensor 0-100 deg c	<u>Thermostat valve</u> - Automotive type fitted on suitable board. (Performance test and original catalog is needed)	2
6	7	Discrete Component Trainer / Basic Electronics Trainer	<u>Discrete Component Trainer</u> - Basic Electronics Trainer Electronic component trainer kit, Facilities to study:- Diodes, Zener diode, Rectifier circuit, Transister, UJT, FET, Mosfet, SCR, TRIAC, DIAC. Working on both AC and DC supply, Pulser switch, Bread board, Speakers, Potentio meters etc with operating manual and connection wires., New (Performance test and original catalog is needed) Warranty/guaranty started from the date of satisfied performance test only. Commissioning expense	1
7	16	Multi Scan Tool with oscilloscope	<u>Multi scan tool</u> -ECU diagnostics kit With suitable cables and adapters for different vehicles with printer, Muliti-brand softwares for different complete scan of vehicles (min: 8 diff: types adapters and softwares for all brands of different vehicle manufactures). With carry case, Branded New (Performance test and original catalog is needed) Warranty/guaranty started from the date of satisfied	1