

E6/36/16 Workshop tools for Mechanical Diesel trade

SL NO	SI No in the syllabus	Item Description	Recommended sepcification	QUANTITY REQUIRED
1	2	Air blow gun with standard accessories	Air blow gun- With trigger operated, coil type hose 6mtrs, suitable adapters and nozzles	1
2	3	Air impact wrench with standard accessories	Air impact wrench- Working torque 7-100 Nm, with FRL, flexible hose, suitable connectors and adapters, shut off valve, drain valve, pipe fittings between compressor outlet and tool inlet, with all suitable sockets and all accessories. Branded new (Performance test and original catalog is needed)	1
3	4	Air ratchet with standard accessories	Air ratchet- Working torque 13-122 Nm, with FRL, flexible hose, suitable connectors and adapters, shut off valve, drain valve, pipe fittings between compressor outlet and tool inlet, with all suitable sockets and all accessories. Branded new (Performance test and original catalog is needed)	1
4	12	Belt Tensioner gauge	Belt Tensioner Gauge- tensioning of all automotive V-belts, including 7/8" top width, scale reads pounds and kg, measuring tension from 15-75kg.(instructions packed with product and performance test needed), With all accessories. Branded, new.(Performance test and original catalog is needed) Warranty/guaranty started from the date of satisfied performance test only. Commissioning expense meet by the supplier.	1
5	25	Compression testing gauge suitable for diesel Engine with standard accessories	Compression testing gauge -suitable for Diesel engine, range 0-70 kg/sq cm .With diifferent sizes of connectors and adapters Suitable for different engines (minimum 4 different types) and pressure holding facility, push button pressure relieving facility, gauge with rubber impact jacket etc. (Performance test and original catalog is needed) Warranty/guaranty started from the date of satisfied performance test only. Commissioning expense meet by the supplier.	1
6	26	Connecting rod alignment fixture	Connecting rod alignment fixture -with base All accessories, checking, bent, twist, offset, precision ground surface, connecting rod without piston v-block, bent and twist indicator, bending bar with aligner. New	1

7	28	Cylinder bore gauge capacity 20 to 160 mm	Cylinder bore gauge- capacity 20 to 160 mm With Dial, measuring head, extension rods, suitable spanner, distance pieces, and all accessories. Least count 0.01mm Calibration certificate from NABL approved lab in original to be produced along the instrument Branded, new.(With suitable box), Warranty/guaranty started from the date of satisfied performance test only. Commissioning expense meet by the supplier.	3
8	29	Cylinder liner- Dry & wet liner, press fit & slidefit liner	Cylinder liner- Dry & wet liner, press fit & slidefit liner (4 nos in sets) New, Genuine parts	1
9	32	Dial gauge type 1 Gr. A (complete with clamping devices and with magnetic stand)	Dial gauge- type 1 Gr. A (complete with clamping devices and stand) International standard, Least count 0.01mm with all accessories. Calibration certificate from NABL approved lab in original to be produced along the instrument Branded, new.(With suitable box) IS 2092-1983	4
10	42	Engineers stethoscope	Engineer's stethoscope- Hand held type, With all accessories.	1
11	54	Fuel injection pump dismantling tool kit /Universal Vice	Fuel injection pump dismantling tool kit -/Universal Vice universal vice, pump coupling, holder spanner, screw driver, spring locking plates, governor weight remover, with all other accessories (if any), in a set	1
12	57	Glow plug tester	Glow plug tester -Power input 8.5–15 Volt Max. current 80 Ampere	2
13	105	Radiator cut section-cross flow	Radiator cut section -cross flow LMV type, Genuine parts, New, fitted with suitable stand of 85cm height.	1
14	106	Radiator cut section-down flow	Radiator cut section -down flow LMV type, Genuine parts, New, fitted with suitable stand of 85cm height.	1
15	107	Radiator pressure cap	Radiator pressure cap- LMV type, Genuine parts, new	2
16	120	Solid Parallels in pairs (Different size) in Metric	Solid Parallels -in pairs (Different size) in Metric Stainless Steel made with wing nut holding. 5mm-20mm (4 different sizes)	2
17	129	Starter motor axial type, pre-engagement type & Co-axial type	Starter motor- axial type, pre-engagement type & Co- axial type with all accessories, Genuine parts, New (EACH)	1
18	133	Straight edge gauge 2 ft.	Straight edge gauge -2 feet.Stainless steel made, 5mm thick, New	2
19	134	Straight edge gauge 4 ft.	Straight edge gauge -4 feet .Stainless steel made, 5mm thick New	2
20	135	Stud extractor set of 3	Stud extractor -set of 3 With handle. Ezy out type	2
21	136	Stud remover with socket handle	Stud remover -with socket handle and all accessories.New	1
22	139	Tandem master cylinder with booster	Tandem master cylinder -with booster LCV type with operating mechanism. Genuine parts, New.	4
23	146	Timing lighter	Timing lighter - DC three lead type.(Performance test and original catalog is needed)	1

24	151	Universal puller for removing pulleys, bearings	Universal puller- for removing pulleys, bearings 3 leg type, max: spread, 250mm and 350mm (one each)	1
25	153	Vacuum gauge to read 0 to 760 mm of Hg.	Vacuum gauge -to read 0 to 760 mm of Hg. With gauge, suitable adapters, for petrol and diesel engines and accessories, (Performance test and original catalog is needed)	1
26	157	Vice grip pliers	Vice grip pliers -10" size, With gripped jaws.	2