

REVAMPING ITI CHACKAI**Pump Operator cum Mechanic
PACKAGE 4 TESTING INSTRUMENTS**

| SL NO | SI No in the syllabus | Item Description as per syllabus | Suggested Specification | Qty Required | Remarks |
|--------------|------------------------------|--|--|---------------------|----------------|
| 1 | 30 | Compression testing gauge suitable for diesel Engine | Compression testing gauge suitable for Diesel engine. With different sizes of connectors Suitable for different engines (minimum 4 different types) and pressure holding facility | 2 | |
| 2 | 33 | Cylinder bore gauge capacity 20 to 160 mm | Cylinder bore gauge capacity 20 to 160 mm With measuring head, extension rods, and all accessories. Least count 0.01mm Calibration certificate from NABL approved lab in original to be produced along the instrument (Mitutoyo/Yamayo/Baker) make | 4 | |
| 3 | 37 | Different type of Engine Bearing model | Different type of Engine Bearing model LCV type, Ball, Roller, Tapered roller, Needle , shell, Angular contact roller bearings (Six in a set), Genuine parts, New. | 1 SET | |
| 4 | 62 | Glow plug tester | Power input 8.5–15 Volt Max. current 80 Ampere | 2 | |
| 5 | 80 | Injector – Multi hole type, Pintle type | Injector – (Multi hole type, Pintle type) multi spray nozzle and pintle nozzle injector of CRDI Engine (QTY in sets) | 4 | |
| 6 | 81 | Injector cleaning unit | Injector cleaning unit | 1 | |
| 7 | 82 | Injector testing set (Hand tester) | Injector testing set (Hand tester) Bench Fitted type with all accessories, Gauges, Multiple pipes and mounting bolts. | 1 | |
| 8 | 88 | Lifting jack screw type 3 ton capacity | Lifting jack screw type 3 ton, 5ton & 20 Ton capacity with suitable lever. | 4 | |

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|----|-----|--|--|--------|--|
| 9 | 168 | Temperature gauge 0-100 deg c | Temperature gauge -with sensor 0-100 °c LMV type | 2 | |
| 10 | 169 | Thermostat | Thermostat valve- Automotive type , genuine parts new | 2 | |
| 11 | 178 | Torque wrenches 5-35 Nm, 12-68 Nm & 50-225 Nm | Torque wrenches- 5-35 Nm, 12-68 Nm & 50-225 Nm Pre adjustable type, three nos in a set. IS 6789 : 2008 | 1 EACH | |
| 12 | 182 | Universal puller for removing pulleys, bearings | Universal puller- for removing pulleys, bearings 3 leg type, max: spred, 250mm and 350mm | 1 | |
| 13 | 184 | Vacuum gauge to read 0 to 760 mm of Hg. | Vacuum gauge -to read 0 to 760 mm of Hg. With all accessories | 2 | |
| 14 | 11 | Dual Magnetization Yoke : AC / HWDC, 230 VAC, 50Hz | Dual Magnetization Yoke : AC / HWDC, 230 VAC, 50Hz HWDC for subsurface flaw detection, Lifting capacity 27 kgs in DC, 5 kgs in AC mode. Portable MPI Units | 1 SET | |
| 15 | 18 | Liquid penetrant Inspection kit | Liquid penetrant Inspection kit – with Cleaner, Developer and remover in aerosol can. | 1SET | |