PRINCIPAL /SECRETARY IMC

GOVT. INDUSTRIAL TRAINING INSTITUTE , BERLA

DIST. - BEMETARA (C.G.)

SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M1

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-1/01	Adjustable spanner (pipe wrench 350mm)	2	
2	MECH-1/02	Allen Key set of 12 pieces (2 mm to 14 mm) High stainless steel	10	
3	MECH-1/03	Angle plate adjustable 250x150x175 cast iron	1	
4	MECH-1/04	Angle plate size 200x100x200 cast iron	2	
5	MECH-1/05	Anvil 50 kgs with Stand cast steel	1	
6	MECH-1/06	Caliper inside 15 cm Spring High carbon steel	10	
7	MECH-1/07	Caliper outside 15 cm Spring High carbon steel	10	
8	MECH-1/08	Center Punch 10mm.Dia.x100 mm High carbon steel	6	
9	MECH-1/09	Chisel 10 cm flat High carbon steel	4	
10	MECH-1/10	Chisels cross cut 200 mm X 6 mm	4	
11	MECH-1/11	Circlip pliers Expanding and contracting type 15cm and 20 cm each	4	
12	MECH-1/12	Clamps C 100 mm	2	
13	MECH-1/13	Clamps C 150 mm	2	
14	MECH-1/14	Clamps C 200 mm	2	
15	MECH-1/15	Cleaning tray 45x30 cm.	4	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M2

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-2/01	Depth micrometer 0-25mm	4	
2	MECH-2/02	Dividers 15 cm Spring High carbon steel	10	
3	MECH-2/03	Drift Punch Copper 15 cm high carbon steel	4	
4	MECH-2/04	Drill point angle gauge	1	
5	MECH-2/05	Drill twist 1.5 mm to 15 mm (various sizes) by 0.5mm	4	
6	MECH-2/06	Drilling Machine bench to drill up to 12 mm dia aliong with accessories	1	
7	MECH-2/07	Engineer's square 15 cm. Blade	4	
8	MECH-2/08	Engineers stethoscope	1	
9	MECH-2/09	Feeler gauge 20 blades (metric)	4	
10	MECH-2/10	File flat 20 cm bastard High carbon steel	4	
11	MECH-2/11	File, half round 20 cm second cut high carbon steel	4	
12	MECH-2/12	File, Square 20 cm second cut high carbon steel	4	
13	MECH-2/13	File, Square 30 cm round high carbon steel	4	
14	MECH-2/14	File,triangular 15 cm second cut high carbon steel	4	
15	MECH-2/15	Files assorted sizes and types including safe edge file (20 Nose)	2 set	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M3

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-3/01	Flat File 25 cm second cut high carbon steel	4	
2	MECH-3/02	Flat File 35 cm bastard high carbon steel	4	
3	MECH-3/03	Gas Welding Table 1220mm X760mm	2	
4	MECH-3/04	Gloves for Welding (Leather and Asbestos)	5 set	
5	MECH-3/05	Glow plug tester	2	
6	MECH-3/06	Granite surface plate 1600x1000 with stand and cover	1	
7	MECH-3/07	Grinding Machine(general Purpose)D.E.-pedestal with 300mm dia wheels rough and smooth	1	
8	MECH-3/08	Hacksaw frame adjustable 20-30 cm	10	
9	MECH-3/09	Hammer ball peen 0.5kg with handle	6	
10	MECH-3/10	Hammer Ball Peen 0.75 kg	4	
11	MECH-3/11	Hammer Chipping 0.25 kg	5	
12	MECH-3/12	Hammer copper 1 kg with handle	4	
13	MECH-3/13	Hammer Mallet	4	
14	MECH-3/14	Hammer Plastic	4	
15	MECH-3/15	Hand operated crimping tool (i) for crimping up to 4mm and (ii)for crimping up to 10mm	2	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M4

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-4/01	Hand reamers adjustable 10.5 to 11.25 mm, 11.25 to 12.75 mm, 12.75 to 14.25 mm and 14.25 to 15.75 mm	2 sets	
2	MECH-4/02	Hand Shear Universal 250 mm	2	
3	MECH-4/03	Hand vice- 37 mm	2	
4	MECH-4/04	Hollow Punch set of seven pieces 6mm to 15mm	2 sets each	
5	MECH-4/05	Left cut snips 250mm	4	
6	MECH-4/06	Magneto spanner set with 8 spanners	1 set	
7	MECH-4/07	Magnifying glass 75mm	2	
8	MECH-4/08	Marking out table 90x60x90 cm.	1	
9	MECH-4/09	Oil can 0.5/0.25 liter capacity	4	
10	MECH-4/10	Oil stone 15 cm x5 cmx2.5cm	1	
11	MECH-4/11	Outside micrometer 0 to 25mm	4	
12	MECH-4/12	Outside micrometer 25 to 50mm	4	
13	MECH-4/13	Outside micrometer 50 to 75mm	1	
14	MECH-4/14	Outside micrometer 75 to 100mm	1	
15	MECH-4/15	Philips Screw Driver set of 5 pieces (100 mm to 300 mm)	8	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M5

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-5/01	Pipe Bending Machine (Hydraulic type)12 mm to 30 mm	1	
2	MECH-5/02	Pipe cutting tool	2	
3	MECH-5/03	Pipe flaring tool	2	
4	MECH-5/04	Pneumatic rivet gun with standerd accessories	2	
5	MECH-5/05	Prick Punch 15 cm	4	
6	MECH-5/06	Punch Letter 4mm (Number)	2 set	
7	MECH-5/07	Right cut snips 250mm	2	
8	MECH-5/08	Rivet sets snap and Dolly combined 3mm, 4mm, 6mm	2	
9	MECH-5/09	Scraper Triangular 25 cm high carbon steel	2	
10	MECH-5/10	Scraper flat 25 cm high carbon steel	2	
11	MECH-5/11	Scraper half round 25 cm high carbon steel	2	
12	MECH-5/12	Scriber 15 cm alloy steel or high carbon steel	8	
13	MECH-5/13	Scriber with Scribing black universal	2	
14	MECH-5/14	Set of stock and dies metric	2 set	
15	MECH-5/15	Shear Tin Man's 450 mm x 600 mm	2	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M6

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-6/01	Shear Tinmans 300mm	4	
2	MECH-6/02	Sheet Matal Gauge	2	
3	MECH-6/03	Solid Parallels in pair (different size) in metric	2	
4	MECH-6/04	Spring tension tester	1	
5	MECH-6/05	Steel measuring tape 10 meter in a case	4	
6	MECH-6/06	Steel rule 15 cm inch and metric	4	
7	MECH-6/07	Steel rule 30 cm inch and metric stainless steel	10	
8	MECH-6/08	Steel tool box with lock and key (folding type) 400x200x150mn	6	
9	MECH-6/09	Straight edge gauge 2 ft.	2	
10	MECH-6/10	Straight edge gauge 4 ft.	2	
11	MECH-6/11	Stud extractor set of 3	2 set	
12	MECH-6/12	Stud remover with socket handle	1	
13	MECH-6/13	Surface gauge with dial test indicator plunger type i.e. 0.01 mm	4	
14	MECH-6/14	Tachometer (Counting type)	1	
15	MECH-6/15	Taps and Dies complete sets (5 types)	1 set	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- MECHANICAL GROUP

PACKAGE NO - M7

S.No.	CODE No.	Item with specification	Quantity	Remark
1	MECH-7/01	Taps and wrenches - metric	2 set	
2	MECH-7/02	Thread pitch gauge Metric,	2	
3	MECH-7/03	Tin smiths bench folder 600 X1.6mm	1	
4	MECH-7/04	Trammel 30 cm	2	
5	MECH-7/05	V' Block 75 x 38 mm pair with Clamps	2	
6	MECH-7/06	vernier caliper 0 - 300 mm with least count 0.02mm	4	
7	MECH-7/07	Vice grip pliers	2	
8	MECH-7/08	Welding plant Oxy-Acentylene complite (high pressure)	1	
9	MECH-7/09	Welding Transformer(150-300 Amps)	1	
10	MECH-7/10	Hands files cut 20 cm. Second cut flate high carbon steel	6	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- ELECTRICAL GROUP

PACKAGE NO - E1

S.No.	CODE No.	Item with specification	Quantity	Remark
1	ELE-1/01	Ammeter 300A/60A DC with external shunt	4	
2	ELE-1/02	Auto Electrical test bench	1	
3	ELE-1/03	Battery charger	2	
4	ELE-1/04	Blow lamp one litre	2	
5	ELE-1/05	DC Ohmmeter 0 to 300 Ohms, mid scales at 20 Ohms	2	
6	ELE-1/06	Discrete Component Trainer/Basic Electronics Trainer	1	
7	ELE-1/07	Dual Magnetization Yoke: AC/HWDC,230VAC,50Hz	1 set	
8	ELE-1/08	Electric Soldering Iron 230 V 60 watts 230 V 25 watt	2 each	
9	ELE-1/09	Electric testing screw driver	4	
10	ELE-1/10	Electrician Screw Driver 250mm	6	
11	ELE-1/11	Growler	2	
12	ELE-1/12	Insulated screw driver 20 cm X 9mm blade	4	
13	ELE-1/13	Insulated screw driver 30 cm X 9mm blade	4	
14	ELE-1/14	Multi Scan tool with oscilloscope	1	
15	ELE-1/15	Multimeter digital	5	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- ELECTRICAL GROUP

PACKAGE NO - E2

S.No.	CODE No.	Item with specification	Quantity	Remark
1	ELE-2/01	Pliers combination 20 cm alloy steel	8	
2	ELE-2/02	Pliers flat nose 15 cm alloy steel	2	
3	ELE-2/03	Pliers round nose 15 cm alloy steel	2	
4	ELE-2/04	Pliers side cutting 15 cm alloy steel	2	
5	ELE-2/05	Portable electric drill machine	1	
6	ELE-2/06	Screw driver 20cm.X9 mm. Blade	6	
7	ELE-2/07	Screw driver 30cm.X9 mm. Blade	6	
8	ELE-2/08	Soldering Copper Hatchet type 500 gms	2	
9	ELE-2/09	Stater moter axial type, per- engagement type &Co-axial type	1 each	
10	ELE-2/10	Telescope gauge	4	
11	ELE-2/11	Thermostat	2	
12	ELE-2/12	Wire cutter and stripper	6	
13	ELE-2/13	Wire guage(matric)	2	
14	ELE-2/14	Copper bit soldering iron 0.25 Kg	4	
15	ELE-2/15	oscilloscope 20 MHz	2	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- AUTOMOBILE GROUP

PACKAGE NO - A1

S.No.	CODE No.	Item with specification	Quantity	Remark
1	AUTO-1/01	Air ratchet with standard accessories	4	
2	AUTO-1/02	Air blow gun with standard accessories	1	
3	AUTO-1/03	Air impact wrench with standard accessories	4	
4	AUTO-1/04	Arbor press hand operated 2 ton capacity	1	
5	AUTO-1/05	Automotive exhaust 5 gas analyzer(Pertol & Diesel)or Diesel smoke meter	1	
6	AUTO-1/06	Belt Tensioner gauge	1	
7	AUTO-1/07	Bench lever shears250mm Blade X 3 mm Capicity	1	
8	AUTO-1/08	Car Jet washer with standard accessries	1	
9	AUTO-1/09	Chain Pulley Block -3 ton capacity with tripod stand	1	
10	AUTO-1/10	Compression testing gauge suitable for diesel Engine with standard accessories	2	
11	AUTO-1/11	Connecting rod alignment fixture	1	
12	AUTO-1/12	Cylinder bore gauge capacity 20 to 160mm	4	
13	AUTO-1/13	Cylinder liner dry &wet liner, press fit & slidefit liner	1 each	
14	AUTO-1/14	Dial gauge type 1 Gr. A (complete with clamping devices and with magnetic stand)	4	
15	AUTO-1/15	Diesel Engine (Running Condition)stationary type	1	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- AUTOMOBILE GROUP

PACKAGE NO - A2

S.No.	CODE No.	Item with specification	Quantity	Remark
1	AUTO-2/01	Diesel Engine-CRDI-4 stroke for Dismantling and assembling with swivelling stand	1	
2	AUTO-2/02	Diffrent type of Engine Bearing model	1 set	
3	AUTO-2/03	Diffrent type of piston model	1 each	
4	AUTO-2/04	Fuel feed pump for Diesel	1	
5	AUTO-2/05	Fuel injection pump (Diesel) inline	1	
6	AUTO-2/06	Fuel injection pump dismantling tool kit/Univesal Vice	1	
7	AUTO-2/07	Fuel injection pump VE pump/ Distributor fuel rotary pump (DPC) pumps / along with special tools and accessories.	1 each	
8	AUTO-2/08	Grease Gun	2	
9	AUTO-2/09	Grease Gun heavy duty trolley type 10 kg capacity	1	
10	AUTO-2/10	Heavy Commericial vehicle type(without body on frame)	1	
11	AUTO-2/11	Hydraulic jack HI-LIFTtype -3 ton capacity,and 5 ton capacity	1 each	
12	AUTO-2/12	Injector testing set (Hand tester)	1	
13	AUTO-2/13	Injector - Multi hole type , Printel type	4 each	
14	AUTO-2/14	Injector cleaning unit	1	
15	AUTO-2/15	Lifting jack screw type 3 ton , 5 ton & 20 Ton capacity	1 each	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- AUTOMOBILE GROUP

PACKAGE NO - A3

S.No.	CODE No.	Item with specification	Quantity	Remark
1	AUTO-3/01	Liquid penetrant Inspection kit	1 set	
2	AUTO-3/02	Oil pump for dismantling and assembling	2	
3	AUTO-3/03	Piston ring compressor	2	
4	AUTO-3/04	Piston Ring expander and remover.	2	
5	AUTO-3/05	Piston Ring groove cleaner.	1	
6	AUTO-3/06	Radiator cut section- cross flow	1	
7	AUTO-3/07	Radiator cut section- down flow	1	
8	AUTO-3/08	Raditor pressure cap	2	
9	AUTO-3/09	Spanner Clyburm 15 cm	1	
10	AUTO-3/10	Spanner D.E. set of 12 pieces (6 mm to 32 mm) alloy steel	10	
11	AUTO-3/11	Spanner socket with speed handle, T- bar ratchet and universal upto 32	8	
12	AUTO-3/12	Spanner T. flocks for screwing up and up-screwing inaccessible	2	
13	AUTO-3/13	Spanner, adjustable 15 cm	2	
14	AUTO-3/14	Spanner, ring set of 12 metric sizes 6 to 32 mm alloy steel or high carbon tensile	10	

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SCHEDULE OF REQUIREMENTS

PACKAGE NAME- AUTOMOBILE GROUP

PACKAGE NO - A4

S.No.	CODE No.	Item with specification	Quantity	Remark
1	AUTO-4/01	Spark lighter	2	
2	AUTO-4/02	Spark plug spanner 14 mm x18 mm x Size	2	
3	AUTO-4/03	Tandem master cylinder with booster	4	
4	AUTO-4/04	Temperature gauge with sensor 0-100 deg c	2	
5	AUTO-4/05	Timing lighter	2	
6	AUTO-4/06	Torque wrenches 5-35 Nm,12-68 Nm & 50-225 Nm	1 each	
7	AUTO-4/07	Trolley type portable air compressor single cylinder with 45 liters capacity Air tank,along with accessories & with working pressure 6.5 kg/sq cm	1	
8	AUTO-4/08	Turbocharger cut sectional view	1	
9	AUTO-4/09	Tyre pressure gauge with holding nipple	2	
10	AUTO-4/10	Universal puller for removing pulleys, bearings	1	
11	AUTO-4/11	Vacuum gauge to read 0 to 760 mm of Hg.	2	
12	AUTO-4/12	Valve Lifter	1	
13	AUTO-4/13	Valve spring compressor universal.	1	
14	AUTO-4/14	Water pump for dismantling and assembling	4	
15	AUTO-4/15	Work bench 250 x120x 60 cm with 4 vices 12 cm Jaw	4	
16	AUTO-4/16	Working condition of Diesel Engine-CRDI-4 stroke Engine Assembly with fault simulation board		