

### Technical Specification of Equipments For Workshop Truck

S.N	Parameters	Technical Specification	Remark
1	Bench Grinding Machine	Minimum 1 Hp, 3 phase, 8" disc diameter	
2	Generator	Minimum 15 kVA, 3 ph Generator, Electrical line Connected for Workshop Cabin Room (at least 2 Sockets, 2 x LED Light), Cabinet Type 3 phase Electric Control Panel and Switch Box	
3	Heavy welding machine	Minimum 400 Ampere	
4	Air Compressor	Two State Piston Compressor Pressure min. 14 Kg/cm <sup>2</sup> Motor Power Minimum 5 Hp Air Receiver Min. 160 Ltr Retractable hose reel with hose Length min. 100ft	
5	JIB Crane	Minimum 5 Ton	
6	Portable Drilling Machine	Bore Range 3 ~ 16mm; Power 700W Approx.	
7	Portable Hand Grinding Machine	Size 250mm; Power 700W Approx.	
8	Gas Welding & Cutting Set	Oxygen Cylinder 40L; Accetylene Cylinder 20L with retractable hose reel and hose length of 50 ft.	
9	Lifting Device	Roof Mounted, Retractable Cantilever, 2-Ton Chain Block	
10	5 Compartment Cantilever Tool Box Set x 3	<b>66-piece set with metal case box containing:</b>	
		Socket 12-point: 12 (3/8), 14 (7/16), 16 (1/2), 18 (9/16), 19 (19/32), 20 (5/8), 22 (11/16), 24 (3/4), 25 (25/32), 26 (13/16), 28 (7/8), 30 (15/16), 32 (1), 34 (1-1/16), 36 (1-1/8)	
		Ratchet handle: RH43K	
		Extension bar: 150mm	
		Ball joint: BJ40	
		Hexagonal sockets: 04 (1/8), 05 (5/32), 06 (3/16), 07 (7/32), 08 (1/4), 10 (5/16), 12 (3/8), 14 (7/16), 16 (1/2), 18 (9/16)	
		Long offset wrench (45°): 1214 (3/8X7/16), 1618 (1/2X9/16), 2022 (5/8X11/16), 2425 (3/4X25/32), 2628 (13/16X7/8), 3032 (15/16X1)	
		Spanner: 1012(5/6X3/8), 1214(3/8X7/16), 1314(13/32X7/16), 1618 (1/2X9/16), 1920(19/32X5/8), 2224 (11/16X3/4), 2528(25/32X7/8), 3032 (15/16X1)	
		Monkey wrench (with scale): MW-300	
		Combination pliers: CP-200	
Water pump pliers (strong type): KWP-250			
Cutting pliers: CT-175			

		Needle-nose pliers: RP150	
		Heavy duty nippers: KN-150	
		Piercing driver: KMD-075, 100, 150 (-) square shaft plastic handle	
		Piercing driver: KPD-001, 002, 003 (+) square shaft plastic handle	
		Combination hammer: 1 pound	
		Flat chisel: 19X165mm	
		Center punch: 125mm	
		Ball point L-shaped wrench set: 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8	
11	Portable Working light with Stand	Cable length 25ft with 100 LED Light inbuilt	
12	Spare Parts Rack With Lockable Doors & Attached Waste Oil Tank & Job Card Holder, & Two Shelf for Parts Storage.	Smooth Waterproof Wooden with metal frame Design	
13	General Work Bench with Lockable Door & Shelves.	Smooth Metal frame and Waterproof Wooden Exterior. 4 x Working chair ( Metal frame highly polished with Cushion Top ) should be provided.	
14	Hydraulic Jack	Minimum 20 Ton	
15	Triangular Jack Stand	Minimum 2 Ton	
16	Bench Vice	Minimum 4"	
17	Service Creeper x 2 Pcs	Fiber material with wheeled roller	
18	First Aid Box	Complete Set	
19	Digital Multimeter With Accessories & Adaptors.	Voltage : Minimum 600 V AC/DC, Current Minimum 50 A AC, Resistance Minimum 40 M ohms: Should have large Display	
20	Battery Charger	12-48V, 20A	
21	Battery Servicing Set	Battery Jumper Cable, Battery Tester	
22	Pneumatic Tools Set with Built-In Pneumatic Line and Hose Reel	Pneumatic impact drivers with socket upto 60mm	
23	Tyre Service Kit.	Tyre Pressure Monitoring Cum Filling Gauge Connected Pipeline of 25 ft long	
		Tool Trolley of 7 Drawers containing at least 231 pcs tool kits with provision for inserts for all	
		Tool Set contain:	
		Dr Socket 6 Pt of 1/2", 3/8" and 1/4" containing 6 22 mm Socket, Deep Socket, Universal Joint, Ratchet, Extension Bars, Swivel Handle, T-Handle	
		Stubby swivel head ratchet with dual drivers, Magnetic spark plug socket set 14 mm & 16 mm,	

24	Cabinet with Sliding Drawers for Tool with complete tool set	Various type of 1/2" drive socket , Ribe socket, Trox Bit, Wquire Bit Socket,	
		Ring Spanner set from 6X7 to 30 X32	
		Adopter of various size	
		Combination Spanner 7 - 24 mm	
		Flare Nut Wrench 8 x 9, 10X11, 11X12, 14X17, 19 X 22	
		Two Way Oil filter Wrench 64-94, 85-115	
		Plier (vice grip, long nose, combiantion, wire cutting, bend nose, spark Plug Cord, Hose Clamp, CV boot)	
		Click R,	
		Impact Screw Driver	
		Spiral Pin Removal Set	
		Heavy Duty Seal Puller	
		Hax Saw, Scissor, MEAsruing Tape, Cutter, Wire Stripping Cutter, Glow Plug Socket, Tyre in-deflator Gauge , Feeler Gauge, Ball Pin Hammer, Nylon Hammer, Chisel, Battery cap remover, Oxy Sensor, Inspection Glass, Inspection Lamp, Sand Paper Packet, Steel Scale, Brake Ring Plier	
25	Mini Lathe Machine	Horizontal Layout, Semi Automatic, Bed Length minimum 2.5 feet, Spindle bore : minimum 25 mm, Maximum Spinle speed : Minimum 2000 rpm, Minimum 6 Variable speed, Should be suitable for turning, facing, Tapering, Grooving, Thread cutting and Drilling	
26	Fire Extinguisher	Minimum 2 x 9 kg (ABC Type)	
27	Pneumatic Grease gun	Including nipple	
28	Chain pulley	Minimum 5 Ton	
29	Towing rope	Minimum 10T	
30	Impact Screw Driver	1/2" drive socket type	
31	Heavy column bench drill machine with drill bit	Drill Bit size varing from upto 25mm	
32	Torque Wrench (Heavy)	Torque Range : Minimum ( 300 to 1200 Nm)	
33	Drum Cable	32 A, 4 Socket, 20 m cable length at least	
34	Hammer	2 Kg	
35	Pop Rivet Gun	Pneumatic Rivet Gun, Rivet nozzole size : 3/32"(2.4mm), 1/8"(3.2mm), 5/32"(4.0mm), 3/16"(4.8mm), Operating Pressure Minimum 90 PSI	
36	Light socket tool set	8-32 mm	
37	Heavy socket tool set	32-60 mm	
38	Heavy Combination Wrench	32-60 mm	
39	Light Combination Wrench	8-32 mm	

39	Standard	ISO or Equivalent for all Mentioned Equipment	
40	Warranty	Minimum 1 year/ provided by OEM for individual Equipment whichever is greater	
41	Terms and Conditions	Two times the the above mentioned equipment ( S.N 1 to S.N 39) should be accomodated and properly arranged with safety fitments in 2 x Utility Truck (2.5 ton to 7.5 ton)	
		Modification of Utility Truck (2.5 ton to 7.5 ton ) as workshop Truck (as design provided ) is responsibility of Suppliers.The design of Workshop Truck will be given Later.	
		Generator Sound in working Cabin should be less than 70 dB. The Exhaust of Generator should be designed such that smoke shouldnot come inside working cabin.	
		Proper Ventilation in working cabin should be provided.	
		Pneumatic ports minimum 4 should be installed in workshop truck	
		Standard Wiring for provided Appliances with minimum 8 power sockets at different place and Lights should be installed by Suppliers. Wring should be safe from short Circuit.	
		Minimum 1.5 Ton AC should be installed in workshop Cabin.	

