

Equipment for Heavy Eqpt Workshop

Specification of Gantry Crane

S.N	Parameter	Technical Specification	Remarks
1	Capacity	Minimum 10 Tons	
2	Power Supply	Electric	
3	Height	Minimum 8 meter	
4	Frame MOC	Mild Steel or better	
5	Span	Minimum 10 meter	
6	Input	Three phase 410 V, 50 Hz	
7	Accessories	All associated accessories should be provided	
8	Standard	ISO or equivalent	
9	Warranty	Warrenty Minimum 2 years/provided by OEM whichever is greater	

Specification of Heavy equipment Lifting Hydraullic Jack, Min. 60 Ton

S.N	Parameter	Technical Specification	Remarks
1	Capacity	Minimum 60 Ton	
3	Close Height	Maximum 11 Inch	
4	Standard	ISO or equivalent	
	Warranty	Minimum 1 year/provided by OEM whichever is greater	

Specification of Ramp (Pit), Light Vehicle

S.N	Parameter	Technical Specification	Remarks
1	Load	Maximum 4 Ton	
2	Rise	Maximum 0-5 m	
3	Speed	Maximum 0.02 m/s	
4	Lifting Time	Maximum 50 sec	
5	Input	220/410 V & 50 Hz	
6	Motor Power	Minimum 2.2 KW	
7	Warranty	Minimum 2 years/provided by OEM whichever is greater	
8	Standard	ISO or equivalent	

Specification of Workbench with Vice

S.N	Parameter	Technical Specification	Remarks
1	Type	Wooden Type with aluminium plate on top	
2	Dimension	Minimum L = 5 Feet, B = 3 Feet & H= 3.5 Feet	
3	Vice Size	6" at 4 corners	
4	Standard	Should be ISO or equivalent	

Specification of Cabinet Type Complete Tool Box

S.N	Parameter	Technical Specification	Remarks
1	Material	Made up of steel and must have caster wheels	
2	Dimension	Minimum 900x600x700 mm	
3	Tools	3 x ratchets: 1/4", 3/8" & 1/2"	
		22 x 1/4" drive 6 point sockets: (SAE) - 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16" and (mm) - 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm:	
		20 x 1/4" drive 6 point deep sockets: (SAE) - 5/32", 3/16", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" and (mm) - 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm:	
		11 x 3/8" drive 6 point sockets: (SAE) - 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" and (mm) - 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm:	
		22 x 3/8" drive 6 point deep sockets: (SAE) - 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8" and (mm) - 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm	
		17 x 3/8" drive bit sockets: hex (SAE) - 5/32", 3/16", 1/4", 5/16" and hex (mm) - 4mm, 5mm, 6mm, 7mm, 8mm, and Torx - # 10, 15, 20, 25, 27, 30, 40, 45	
		20 x 1/2" drive 6 point sockets: (SAE) - 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1" and (mm) - 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 21mm, 22mm, 24mm	
		10 x 1/2" drive 6 point deep sockets: (SAE) - 11/16", 3/4", 13/16", 7/8", 15/16" and (mm) - 17mm, 18mm, 19mm, 21mm, 22mm:	
		12 x combination wrenches: (SAE) - 11/32", 3/8", 7/16", 1/2", 9/16", 5/8" and (mm) - 10mm, 11mm, 13mm, 14mm, 15mm, 16mm:	
		3 x 1/4" drive 3" & 6" extension bars, 1/4" drive female to 3/8" drive male adapter:	
		5 x 3/8" drive 3" & 6" extension bars, 3/8" drive 5/8", 3/4" & 13/16" spark Plug sockets:	
		2 x 3/8" drive female to 1/4" drive male adapter:	
		2 x 1/2" drive 5" extension bars, 1/2" drive female to 3/8" drive male adapter:	
		15 x nut bits: (SAE) - 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16" and (mm) - 4mm, 5mm, 6mm, 7mm, 8mm, 10mm:	
28 x hex keys: 44 x specialty bits: 1 x bit driver.			
4	Standard	ISO or equivalent	

Specification of Torque Wrench Light

S.N	Parameter	Technical Specification	Remarks
1	Torque Range (Nm)	5 - 35 Nm	
2	Drive Size	1/2 Inch	
3	Standard	ISO or equivalent	

Specification of Ratchet Set Complete

S.N	Parameter	Technical Specification	Remarks
1	Tools	<p>4 pieces tool set must include the following tools and sizes:</p> <ul style="list-style-type: none"> - 1 × 1/4" Spinner Handle. - 1 × 6" Slip Joint Pliers. - 1 × 3/8" Dr Universal Joint. - 1 × 3/8"(F) to 1/4"(M) Adaptor. - 1 × 3/8" Dr x 1/4" Bit Adaptor. - 1 × 72 Teeth 3/8" Drive Quick Release Ratchet Handle. - 1 × 6" Linesman Pliers. - 1 × 6" Long Nose Pliers. - 2 × 3/8" Dr Extension Bars, 3", 6". - 2 × 3/8" Dr Spark Plugs: 5/8", 13/16". - 14 × Combination Wrenches: 8mm, 10mm, 	
		<p>12mm, 13mm, 14mm, 15mm, 17mm, 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16".</p> <ul style="list-style-type: none"> - 16 × Cr-V Hex Keys: 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 5.5mm, 6mm, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4". - 16 × 3/8" Dr Cr-V Sockets: 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4". - 21 × 1/4" Dr Cr-V Sockets: 4mm, 4.5mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 	
		<p>13mm, 1/2", 15/32", 7/16", 13/32", 3/8", 11/32", 5/16", 1/4", 7/32", 3/16".</p> <ul style="list-style-type: none"> -45 × Cr-V 1" Bits: 3 × Clutch: 1/8", 5/32", 3/16". 4 × Robertson: 0, 1, 2, 3. 7 × Torx: T10, T15, T20, T25, T27, T30, T40. 4 × Phillips: PH0, PH1, PH2, PH3. 14 × Hex: 2mm, 2.5mm, 4mm, 5mm, 6mm, 7mm, 1/16", 5/64", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4". 8 × Slotted: 3mm, 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm. 5 × Bits Holder. - 1 × Display Box. 	
2	Standard	ISO or equivalent	

Specification of Engine Compressor Gauge Tester

S.N	Parameter	Technical Specification	Remarks
1	Features	Check valves and rings, inspect for carbon buildup and late timing , Adapters for a wide number of vehicles (spark plug types/depths) , Kit includes 2 rubber cones ends for quick check (no need to thread into head) , 3 inch Gauge has dual color scale with 0-300 psi , 0-20 kPa , Gauge will hold pressure values and has quick push button release valve, Fittings: M10, M12, M14, M18 (Male, With "O" Ring), Includes 14mm and 18mm spark plug adapters , Includes use manual with technical support Comes with 1/2" diameter x 14" extension hose, straight and angled fittings, rubberized gauge protector and a blow mold case.	
2	Standard	ISO or equivalent	

Specification of Drum Cable

S.N	Parameter	Technical Specification	Remarks
1	Number of Sockets	Minimum 5	
2	Ampere	Minimum 32 A	
3	Cable	Minimum 25 meter	
4	Standard	ISO or equivalent	

Specification of 5 Compartment Cantilever Tool Box with complete tools

S.N	Parameter	Technical Specification	Remarks
		<p>Must contain minimum of 66-piece set with metal case box with insert system.</p> <p>Set contents and accessories</p> <p>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)</p> <p>Ratchet handle: RH43K</p> <p>Extension bar: 150mm</p> <p>Ball joint: BJ40</p> <p>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)</p>	

1	Tools	<p>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)</p> <p>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)</p> <p>Monkey wrench (with scale): MW-300</p> <p>Combination pliers: CP-200</p> <p>Water pump pliers (strong type): KWP-250</p> <p>Cutting pliers: CT-175</p>	
		<p>Needle-nose pliers: RP150</p> <p>Heavy duty nippers: KN-150</p> <p>Piercing driver: KMD-075, 100, 150 (-) square shaft plastic handle</p> <p>Piercing driver: KPD-001, 002, 003 (+) square shaft plastic handle</p> <p>Combination hammer: 1 pound</p> <p>Flat chisel: 19X165mm</p> <p>Center punch: 125mm</p> <p>Ball point L-shaped wrench set: 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8</p> <p>Tool case</p>	
2	Standard	ISO or equivalent	

Specification of Grease Gun

S.N	Parameter	Technical Specification	Remarks
1	Minimum Pressure	Minimum 10000 psi.	
2	Standard	ISO or equivalent	

Specification of Filter Opener

S.N	Parameter	Technical Specification	Remarks
1	Type	Drop forged & chrome plated	
2	Size	75 mm to 300 mm	
3	Standard	ISO or equivalent	

Specification of Bearing Puller

S.N	Parameter	Technical Specification	Remarks
1	Type	8 inch 3 leg bearing puller, made of high grade carbon steel & duly hardened & tempered	
2	Standard	ISO or equivalent	

Specification of Digital Multimeter

S.N	Parameter	Technical Specification	Remarks
1	Features	Should be able to measure frequency, Voltage, resistance, continuity and capacitance	
		Should have Input terminal for ac and dc current measurements to 10 A current	
2	Display	Digital	
3	Measuring range	DCV:200m/2/20/200V±0.5%, 1000V±0.8%	
		ACV:200mV±1.2%,2/20/200V±1.0%,700V±1.2%	
		DCA2m/20mA±1.0%,200mA±1.5%,10A±3.0%	
		ACA2m/20mA±1.2%,200mA±2.0%,10A±3.0%	
		Resistance:200/2K/20K/200K/2M/20M Ohm ±1.0%,200M Ohm ±5.0%	
		Capacitance:2n/20n/200n/2u/20uF±4.0%	
4	Standard	ISO or equivalent	
5	Warranty	Minimum 1 year/provided by OEM whichever is greater	

