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TENDER NO:		<b>PART I (TECHNICAL)</b>
<b>DESCRIPTION: WORKSHOP TOOLS AND EQUIPMENT</b>		

**Note: TENDERER'S Column to be completed by tenderer. Approximate means within +/- 10% of given value.**

SPECIFICATIONS	REQUIRED	TENDERER'S
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## **GENERAL**

Standard production, workshop tools and equipment of latest design in the class, robust construction and in current production.	Yes	----- (Yes/NO)
Supplied new.	Mandatory	----- (Yes/NO)
Designed to heavy-duty specifications, capable of operating in tropical conditions in extremes of temperatures and dust.	Yes	----- (Yes/NO)
Most suitable for motor vehicle workshop operations.	Yes	----- (Yes/NO)
Items tendered for meeting the appropriate BS EN DIN ISO standards or equivalent (proof necessary).	Yes	----- (Yes/NO)
<b>All items to have CE Declaration of Conformity</b>	Mandatory	----- (Yes/NO)
<b>Manufacturer's Authorization and Warranty</b>	Mandatory	----- (Yes/NO)
All literature in the English Language.	Mandatory	----- (Yes/NO)
Repair manuals supplied where necessary.	Yes	----- (Yes/NO)
Parts catalogue supplied where necessary.	Yes	----- (Yes/NO)
Instructions/Operators and service manuals supplied where necessary.	Yes	----- (Yes/NO)
Calibration certifications where necessary	Yes	

## **VEHICLE AXLE STANDS**

a) Brand	Mandatory	
b) Country of origin	Mandatory	
c) Sturdily constructed with strong steel alloys with a wide base for stability.	Mandatory	----- (Yes/NO)
d) Adjustable full width V- crutch supported by heavy-duty steel peg & chain support.	Mandatory	----- (Yes/NO)

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**1. ADJUSTABLE AXLE STANDS 5 TONS**

e) Minimum Height, approx.	450mm	-----mm
f) Maximum height, approx.	700mm	-----mm

**2. ADJUSTABLE AXLE STANDS 10 TONS**

e) Minimum Height, approx	500mm	----- mm
f) Maximum height, approx.	800mm	-----mm

**3. HIGH LEVEL COMMERCIAL VEHICLE STANDS - 5 TON**

g) Minimum Working Height, approx.	1300mm	----- mm
h) Maximum Working Height, approx.	1800mm	-----mm

**4. AUTOMOTIVE STANDARD MECHANIC'S TOOL BOX**

a) Brand	-	
b) Country of origin	-	
c) Contents	As listed in appendix I	----- (Yes/No)
d) Quality	As listed in appendix I	----- (Yes/No)

**TROLLEY JACKS**

a) Brand	Mandatory	
b) Country of origin	Mandatory	
c) Overload safety device	Mandatory	----- (Yes/No)
d) Quick-lift foot pedal	Mandatory	----- (Yes/No)
e) Safety lock to prevent accidental or unintentional lowering of the load	Mandatory	----- (Yes/No)
f) Manually operated hydraulic pump and easily accessible controls	Mandatory	----- (Yes/No)

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SPECIFICATIONS		REQUIRED	TENDERER'S
g)	Supplied c/w T-Handle and rubber positioning wheels	Mandatory	------(Yes/No)
h)	Length Approx	1500mm	-----mm
i)	CE Declaration of Conformity	Mandatory	------(Yes/No)
ii)	Manufacturer's Authorization and Warranty	Mandatory	------(Yes/No)
iii)	Instructions/Operators and Service Manuals	Mandatory	------(Yes/No)

**5. TROLLEY JACKS 5-6 TONS**

j)	Minimum saddle height, approx	150mm	-----mm
k)	Maximum saddle height, approx	600mm	-----mm
l)	Maximum chassis height, approx	200mm	-----mm

**6. TROLLEY JACKS 10TONS**

j)	Minimum saddle height, approx	190mm	-----mm
k)	Maximum saddle height, approx	600mm	-----mm
l)	Maximum chassis height, approx	270mm	-----mm

**7. TRANSMISSION FLOOR JACKS 1TON**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Capacity	1 TON	-----TON
d)	Supplied with chain for safe loading	Mandatory	------(Yes/No)
e)	Supplied with precision valve to allow delicate adjustments	Mandatory	------(Yes/No)
f)	4 Swivel castors for extra maneuverability	Mandatory	------(Yes/No)
g)	Manually operated hydraulic pump and easily accessible controls c/w handle	Mandatory	------(Yes/No)

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SPECIFICATIONS		REQUIRED	TENDERER'S
h)	Fully adjustable saddle with forward, backward, and side-to-side tilt.	Mandatory	------(Yes/No)
i)	Minimum saddle height, approx	250mm	-----mm
j)	Maximum saddle height, approx	800mm	-----mm
k)	Chassis Width/Length, approx	450/1000mm	-----mm
l)	Saddle Lateral Travel, approx	40mm	-----mm
m)	CE Declaration of Conformity	Mandatory	------(Yes/No)

**8. HYDRAULIC FOLDING CRANE (ENGINE HOIST) 2.0 TONS**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Repair Manuals supplied	Mandatory	------(Yes/No)
d)	Parts Manuals supplied	Mandatory	------(Yes/No)
e)	Instructions/Operator's and Service Manuals supplied	Mandatory	------(Yes/No)
f)	Heavy duty polyamide wheels with swivel rear castors	Mandatory	------(Yes/No)
g)	Heavy duty hydraulics	Mandatory	------(Yes/No)
h)	Lifting cap positions, approx. 1500, 1750, & 2000 kg	Mandatory	------(Yes/No)
i)	Maximum Jib length, approx	1600 mm	------(Yes/No)
j)	Test Certificate included	Yes	------(Yes/No)
k)	Overall height, approx	1700 mm	------(Yes/No)
l)	CE Declaration of Conformity	Mandatory	------(Yes/No)

<b>9/10</b>	<b>Soldering Iron, 100/40 Watts.</b> Class 1 electrically insulated with cool grip, at least 1.5 metres of cable with BS approved 240V/13 amp plug.	Mandatory	------(Yes/No)
a)	Brand	Mandatory	
b)	Country of Origin	Mandatory	

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<b>11</b>	<b>Digital Battery and Alternator Tester, 12V and 24V c/w magnetic back. Fitted with 1 metre of cable and 2 crocodile clips.</b>	Yes	----- (Yes/No)
a)	Brand	Mandatory	
b)	Country of Origin	Mandatory	

<b>12)</b>	<b>Direct high pressure manual grease unit</b> Solid steel pump and carry handle c/w 12.5 kg grease bucket. Supplied with follower plate to prevent cavitation. Suitable for repetitive filling of high pressure low volume grease. Delivery pressure : 3500-6000psi Delivery stroke: 3.5cm <sup>3</sup> Hose Length – 1500mm	Mandatory	----- (Yes/No)
a)	Brand	Mandatory	
b)	Country of Origin	Mandatory	
c)	Hose length approx	1500 mm	-----mm

<b>13)</b>	<b>Gravity feed oil drainer-</b> steel fabricated reservoir with telescopic steel funnel fitted with filter grid. Approx. reservoir capacity: 70 Litres.	Mandatory	----- (Yes/No)
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<b>14)</b>	Thumb operated metal oilcan with flexible spout. Approx. capacity: 500ml.	Yes	----- (Yes/No)
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<b>15) Differential and Gear Oil Bucket Pump</b>		
a) Brand	Mandatory	
b) Country of Origin	Mandatory	
c) Fabricated steel container with suitable pump	Mandatory	----- (Yes/No)
d) Delivers and retrieves oils and fluids. Supplied with 2'' BSP adaptor. Deliver approx.0.3 Ltr/Revolution.	Mandatory	----- (Yes/No)
e) Hose length approx	1500 mm	-----mm

<b>16) All steel Engineers Bench vice</b> 150mm (6'') jaw size & jaw opening c/w swivel plate adaptor.	Mandatory	----- (Yes/No)
<b>17) HSS Parallel shank twist Drill Bits, jobber series</b> (1.0-13mm) 25 pc metric set in flip-up metal case <b>BSI 328-1 or equivalent</b>	Mandatory	----- (Yes/No)
<b>18) Gas Welding Goggles</b> With shade 5 flip-up lenses. <b>BSEN 175 &amp; BSEN169 or equivalent</b>	Mandatory	----- (Yes/No)
<b>19) Welding Head Shield</b> Supplied with shaded lens, safety lens and an anti-splatter lens. <b>BSEN 175 &amp; BSEN169 or equivalent</b>	Mandatory	----- (Yes/No)
<b>20) Welders' gauntlets (gloves), Lined. BSEN 388, BSEN420 &amp; BSEN407 or equivalent</b>	Mandatory	----- (Yes/No)
<b>21) Ear-muffs</b> of rugged construction, adaptable fittings and swivel ear –caps. <b>BSEN 352-1 or equivalent</b>	Mandatory	----- (Yes/No)

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SPECIFICATIONS		REQUIRED	TENDERER'S
<b>22)</b>	<b>Hydraulic Coil Spring Compressor – 1500 Kg</b> 1500 Kg unit with Foot hydraulic operation. Plastic coated yokes to reduce risk of spring slippage or damage. Suitable for springs from $\varnothing$ 80mm to $\varnothing$ 175mm. Maximum load -1500 Kg Upper yoke positions – 7 Lower yoke travel – 340mm Spring sizes - $\varnothing$ 80mm - $\varnothing$ 175mm.  CE Declaration of Conformity. Instruction manuals supplied.	Mandatory	----- (Yes/No)
<b>23)</b>	<b>Battery Charger 12 V Output</b>		
a)	Brand	Mandatory	
b)	Country of Origin	Mandatory	
c)	Fully automatic microprocessor voltage battery chargers. Features heavy-duty sturdy case with controls and LED indicators. Battery presets include conventional calcium, AGM/GEL, and lithium batteries. AC input with normal and quick charge functions.	Mandatory	----- (Yes/No)
d)	Output – 12V Output charge – 6A Battery range – 6-130Ah Cable length – 2M Power Supply - 240V/50Hz IP Rating – IP20 <b>BSEN60335-2-29.</b>	Mandatory	----- (Yes/No)
e)	CE Declaration of conformity.	Mandatory	----- (Yes/No)

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SPECIFICATIONS		REQUIRED	TENDERER'S
<b>24)</b>	<b>Battery Charger 6V Output</b>		
a)	Brand	Mandatory	
b)	Country of Origin	Mandatory	
c)	Fully automatic microprocessor voltage battery chargers. Features heavy-duty sturdy case with controls and LED indicators. Battery presets include conventional calcium, AGM/GEL, and lithium batteries. AC input with normal and quick charge functions.	Mandatory	------(Yes/No)
d)	Output – 6/12V Output charge – 1A Battery range – 12Ah(6V),12-35Ah (12V) Cable length – 2M Power Supply - 240V/50Hz IP Rating – IP54 <b>BSEN60335-2-29.</b>	Mandatory	------(Yes/No)
e)	CE Declaration of conformity.	Mandatory	------(Yes/No)
<b>25)</b>	<b>Hydraulic puller set 19pc</b> Chrome vanadium steel, heat treated and hardened. 10 Ton Hydraulic Unit with Tommy set. Suitable for pulling hubs, flanges, gears and bearings. Supplied in carry case. Hydraulic ram interchangeable with others in range series. <u>Puller type : 2 Legged</u> Size - 100,150,200,250 in mm Spread - 50-100,75-150,100-200,150-250 in mm Reach - 0-100,0-150,0-200,0-250 in mm  <u>Puller Type : 3 legged</u> Size - 100,150,200,250 in mm Spread - 50-100,75-150,100-200,150-250 in mm Reach - 0-100,0-150,0-200,0-250 in mm	Mandatory	------(Yes/No)

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<b>SPECIFICATIONS</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>
<b>26) Multi-valve spring compressor</b> suitable for use on deep-seated valves. General use on OHC, OHV and CVH engines. Reversible jaw and adaptor. Possible to use from above or below valve. Approx capacity: 60-175mm, throat approx : 160mm	Mandatory	----- (Yes/No)
<b>27) Lazy Tongs Riveter</b> , die cast head wt steel jaw-case and Chrome Molybdenum jaws. Supplied wt 5 nozzles (2.4, 3.2, and 4.0, 4.8 & 6.4 mm) and spanner. Suitable for aluminum, steel & stainless steel rivets.	Mandatory	----- (Yes/No)
<b>28) Vernier Calipers</b> , 150mm (6") high quality, hardened and tempered stainless steel. Dual locking carriage with micro thumb adjustment. Metric and imperial scales. Graduated at least to 0.02mm & 0.001" <b>BS 887</b>	Mandatory	----- (Yes/No)
<b>29) Universal Oil Filter Chain Wrench</b> c/w Forged Chrome vanadium body, 800*25mm reinforced strap. Handle length approx 300mm	Mandatory	----- (Yes/No)
<b>30) Multi-function Heavy Duty Multimeter</b> , approx 18mm LCD display. Measures AC/DC voltage (200mV, 2V, 20V, 200V, 1000v), AC/DC current (20mA, 200mA, 2A, 10A), Ohms resistance, Diode test, Diode/transistor verification, and audible continuity. Features polarity protection on all necessary ranges, heavy-duty rubber case and integral leads storage. <b>IEC-1010</b>	Mandatory	----- (Yes/No)
<b>31) Arc Welding machine (forced air cooled TX) c/w accessory kit, approx 50-160Amps.</b> AC 240V/50Hz input. Features to include single vented wrap around shell fitted with heavy-duty chassis, carrying handle, step less welding current control, electrode holder, cable, earth clamp, chipping hammer/wire brush and welding mask. Electrode capacity: 2.0 – 4.0mm Weight: approx 20kg <b>BSEN60974 or equivalent.</b>	Mandatory	----- (Yes/No)

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SPECIFICATIONS	REQUIRED	TENDERER'S
<b>32) Gas welding/cutting set.</b> A set of regulators and torches for Oxy-acetylene gas welding. Single stage regulators with 2 gauges to show bottle/working pressures. Approx 5 metres of twin gas hose with hose check valves for extra safety. Welding torch with at least 3 lightweight nozzles. Cutting torch attachment with 3 ANMS cutting nozzles. Supplied with a robust carry case. <b>All items to meet the relevant BSEN standards or equivalent.</b>	Mandatory	----- (Yes/No)

**33) BENCH MOUNTED GRINDER – 6 INCHES (150mm)**

a) Brand	Mandatory	
b) Country of origin	Mandatory	
c) Induction motor drive	Yes	----- (Yes/No)
d) Stop lock spindle device for flash loading/unloading of grinding discs	Yes	----- (Yes/No)
e) Stone guards, adjustable eye shields and spark arrestors	Yes	----- (Yes/No)
f) Supplied with course and fine aluminous oxide stones	Yes	----- (Yes/No)
g) Power supply, 240V, 50Hz, single phase.	Yes	----- (Yes/No)
h) Power, input approx 150W	Yes	----- (Yes/No)
i) No load speed approx 3000rpm	Yes	----- (Yes/No)

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**34) VARIABLE SPEED ELECTRIC HAMMER DRILL – 13mm (in steel)**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Heavy duty with electronic variable speed and reverse controls	Mandatory	----- (Yes/No)
d)	13mm chuck capacity coupled to gearbox with drill and hammer modes c/w side handle, depth stop & chuck key	Mandatory	----- (Yes/No)
e)	Non-slip grip, approx weight 1.5 kg	Mandatory	----- (Yes/No)
f)	Power supply, 230-240V, 50Hz, SP, approx 650W	Mandatory	----- (Yes/No)
g)	Drilling capacity in steel = 13mm	Mandatory	----- (Yes/No)
h)	No load speed approx 2700-2800rpm	Mandatory	----- (Yes/No)

<b>35)</b>	<b>Safety goggles.</b> Clear polycarbonate safety lens with direct ventilation in goggle frame <b>BSEN166/B.</b>	Yes	----- (Yes/No)
<b>36)</b>	<b>Creeper board c/w hang-on tool tray.</b> Supplied with board framework manufactured from heavy steel with paint finish, vinyl covered cushioning and fitted with minimum 4 castor wheels for ease of movement. Approx 1000*450*100mm	Yes	----- (Yes/No)
<b>37)</b>	<b>Torque wrench 1/2".</b> Chrome Vanadium steel ratchet head. Scales in both Nm & lb/ft. Calibrated and certified to ISO/BS standards with not less than +/- 4 % accuracy. Approx capacity: 10-150lb/ft. <b>BS 2689/94 or equivalent</b>	Yes	----- (Yes/No)

**38) AUTO-ELECTRICIANS STANDARD TOOL BOX**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Contents	As listed in appendix II	----- (Yes/No)
d)	Quality	As listed in appendix II	----- (Yes/No)

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<b>SPECIFICATIONS</b>		<b>REQUIRED</b>	<b>TENDERER'S</b>
<b>39)</b>	Battery jumpers/Booster cable c/w crocodile clips. 3M/10ft Heavy duty.	Mandatory	------(Yes/No)
<b>40)</b>	Workshop Compressed air flexible silicon free rubber hose, 3/8 inch bore supplied fitted on both ends with ¼ Inch BSP swivel unions. Approx length 20 meters. <b>BS EN ISO 2398</b>	Mandatory	------(Yes/No)

**41) PORTABLE COMPRESSOR (AIR) - SINGLE PHASE - 50LTS**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
	Air Compressor. Belt drive type. Soft start electrical system to incorporate twin capacitors to provide additional power at start –up and dump valve to reduce backpressure. 240/50Hz 13Amp supply. Heavy-duty full cast cylinders with cast iron liners. Composite drive guard design to draw high levels of cooling air over cylinder head. Oil bath crankcase fitted with eyeglass oil level indicator. Fully automatic electric pressure control valve. Has heavy duty drive guards. Fitted with wheels and a pressure gauge. 2HP, 1400rpm, 50ltr tank capacity and approx 150psi or 10 bar maximum pressure. Noise level approx. 80dB.A. 87/404/EEC Pressure Vessel Directive 89/336/EEC EMC Directive 73/23/EEC LV Directive 98/37/EC Machinery Directive <b>CE Declaration of conformity, test certificate and operating/maintenance manuals mandatory.</b>	Mandatory	------(Yes/No)

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**42) BODY REPAIR KIT - 10TONS**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	10Ton hydraulic unit with ram and associated accessories for body repairs. Body jack to include features snap-together pipework for speed, and threaded attachments for strength. Connecting parts to be made from zinc or cad plated for long, rust-free life. Components manufactured from high quality steel. All attachments interchange with other makes. Supplied in composite carry case.	Mandatory	----- (Yes/No)

**43) PALLET TRUCK FOR WHEEL REMOVAL & HANDLING**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Heavy duty truck suitable for general handling duties.	Mandatory	----- (Yes/No)
d)	Polyurethane, non-marking wheels and tandem loading rollers with sealed-for-life bearings. Robust and galvanized hydraulic unit with chromed ram and piston for resistance to corrosion.	Mandatory	----- (Yes/No)
e)	Capacity – 2000Kg Minimum Height -85mm Maximum Height – 200mm Forks (Length * Overall Width) – 1100*500 Fork spread – 200mm	Mandatory	----- (Yes/No)
f)	CE Declaration of conformity	Mandatory	----- (Yes/No)

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<b>44) HYDRAULIC WORKSHOP PRESS - 30TONS</b>			
a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Hydraulic Floor Type	Mandatory	----- (Yes/No)
d)	Capacity	30Tons	----- (Tons)
e)	Ram stroke	185mm	----- (mm)
f)	Ram diameter	50mm	----- (mm)
g)	Lateral ram travel	400mm	----- (mm)
h)	Maximum height – Ram to Table	1000mm	----- (mm)
i)	Minimum height – Ram to Table	60mm	----- (mm)
j)	Table Aperture	100mm	----- (mm)
k)	Working Table Width	500mm	----- (mm)
l)	Working Table Depth	200mm	----- (mm)
m)	Overall height	1800mm	----- (mm)
n)	Gauge Included	Yes	----- (Yes/No)
o)	CE Declaration of conformity	Mandatory	----- (Yes/No)
p)	Instructions and repair manuals supplied	Mandatory	----- (Yes/No)

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**45) EFI UNIVERSAL DIAGNOSTIC EQUIPMENT**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Ultra-mobile solution for automotive diagnostics. Must have A9 quad-core processor and comprehensive OE-level vehicle coverage. The multitasking system must be capable of coding, adaptations, actuations and much more. The unit must be able to diagnose complex vehicle symptoms and analyze fault codes quickly, easily and efficiently. Must have optional connector kit to allow access to older vehicles electronic systems.	Mandatory	----- (Yes/No)
d)	CE Declaration of conformity mandatory.	Mandatory	----- (Yes/No)

<b>46) Clutch Holding Tool (For M/Cycles).</b> Specialized tool designed to remove clutch springs from motorcycles. Pushes through centre to remove springs quickly and safely. Manufactured from chrome vanadium steel. Suitable for use on motorcycles with 125mm pulleys.	Mandatory	----- (Yes/No)
<b>47) 12/24V/21 Watts inspection lights.</b> Lead lamp 100W with gripper, model no. ml100/gp. Voltage 240v, power 100w, bulb fitting bayonet, cable length 5m, overall length 330mm.	Mandatory	----- (Yes/No)
<b>48) Quick lift stand for motor cycles</b> Powder-coated pressed steel frame, to ensure strength and durability. Simple, one foot, step and lift mechanism. For added safety, must feature locking toggle linkage to mechanically lock the lift at full height to prevent accidental lowering. Fitted with hydraulic dampener for controlled descent. CE Declaration of conformity.	Mandatory	----- (Yes/No)

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TENDER NO:		<b>PART I (TECHNICAL)</b>
<b>DESCRIPTION: WORKSHOP TOOLS AND EQUIPMENT</b>		

**Note: TENDERER'S Column to be completed by tenderer. Approximate means within +/- 10% of given value.**

SPECIFICATIONS		REQUIRED	TENDERER'S
49)	<b>Flywheel separating tool (M/Cycles)</b> Designed with six different sized threaded adaptors for flywheel rings on motorcycles. Can be used on models with tapered lock type rings.	Mandatory	----- (Yes/No)
50)	<b>Hydraulic hose pipe crimper</b> All steel construction with large vinyl grip handles and hardened and tempered jaws. Ratchet action ensures consistent crimp tension.	Mandatory	----- (Yes/No)
51)	<b>Manual grease unit ( Heavy Duty)</b> Highly duty durable cast iron pump head, features dual piston design for high volume performance. 3-Way fill with cartridge, bulk or manual capability. Supplied with rigid delivery tube and push-on hydraulic 4-jaw coupling. Rubber gripped grease tube and handle for easy grip.	Mandatory	----- (Yes/No)
52)	<b>Variable Speed Sanding Machine</b> Variable speed control. Heavy duty aluminum gear head with composite motor housing. Pad Size – Min 180mm Diameter Thread Size – M14*2mm Power – 1200W Power Supply – 240V	Mandatory	----- (Yes/No)
53)	<b>Spray Guns</b> Suction feed spray gun 1.7mm. Designed for applying automotive paints. Features air and paint flow controls for fine adjustment of spray pattern. Modern Technology and precision engineering for consistent sprays.	Mandatory	----- (Yes/No)
54)	<b>Flexible heavy duty electric cable extension</b> Voltage 240v, cable length 50mtr., cable section 3x1.5square mm., cable type pvc, sockets 3, drum size large, drum type composite, capacity wound 1000w, capacity unwound 3500w.	Mandatory	----- (Yes/No)

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**Note: TENDERER'S Column to be completed by tenderer. Approximate means within +/- 10% of given value.**

<b>SPECIFICATIONS</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>
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**55) AIR OPERATED GREASE UNIT C/W GREASE GUN ADAPTOR KITS (HD)**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Air operated grease unit fitted with 50:1 air motor.	Mandatory	------(Yes/No)
d)	Capacity – 50 Kg Maximum Air Pressure – 150psi Delivery Pressure – 5000psi Grease Delivery 1000g/min Air Consumption 6cfm	Mandatory	------(Yes/No)
e)	Supplied with safety regulator to prevent over pressurization of pump unit. Fitted with a follower plate to prevent cavitation. Includes SAE1002AT rated grease hose, z-swivel, control valve and bucket trolley.	Mandatory	------(Yes/No)
f)	CE Declaration of Conformity. Instruction, repair and parts manual supplied.	Mandatory	------(Yes/No)

**56) VACUUM OIL & FLUID EXTRACTOR – MANUAL – 10LTR**

a)	Brand	Mandatory	
b)	Country of origin	Mandatory	
c)	Device constructed from composite materials. To use manual pump generate vacuum. Suitable for the extraction of all types of engine, transmission and lubrication oils.	Mandatory	------(Yes/No)
d)	Capacity – 10 Ltrs Suction probes - 6*1100, 10*1100 Extension tube - 8*1100 Air supply 90psi (5cfm)  CE Declaration of conformity.	Mandatory	------(Yes/No)

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**Note: TENDERER'S Column to be completed by tenderer. Approximate means within +/- 10% of given value.**

<b>SPECIFICATIONS</b>	<b>REQUIRED</b>	<b>TENDERER'S</b>
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#### **57) WORKSHOP AIR COMPRESSOR**

a) Brand	Mandatory	
b) Country of origin	Mandatory	
<b>Heavy duty Low (Silent) Noise Belt Drive Compressor.</b> Suitable for garage and industrial applications. Fully enclosed and insulated. Soft start electrical system to incorporate twin capacitors to provide additional power at start –up and dump valve to reduce backpressure. Heavy-duty full cast cylinders with cast iron liners. Fully automatic start/stop, continuous and dual switch and tank pressure gauge. Heavy duty 3phase electric motors. Features control box with tachometer for monitoring use and optimizing service times.  Oil cooled, 45°C maximum operating temperature, microprocessor based controls, human machine interface features, and low oil protection and shut down protection features, diagnostic routine features, oil injected lubrication mode, air intake filter, hour meter and oil level gauge with tapped drain outlet for easy oil change, have water ball valve drain (automatic condensate drain).	Mandatory	----- (Yes/No)
Motor output – 15HP (11KW) Voltage/Phase – 415/50Hz-3ph Minimum rated supply – 32A Speed -1500 rpm Noise level – 66Db (A) Minimum Air Delivery Lts/Min– 1100Lts/Min at 10bar. Maximum pressure – 180 psi (12.5bar) Receiver capacity –350 Litres. Outlet fitting - ½’’BSP Female Tap  87/404/EEC Pressure Vessel Directive 89/336/EEC EMC Directive 73/23/EEC LV Directive 98/37/EC Machinery Directive	Mandatory	----- (Yes/No)
<b>CE Declaration of conformity, test certificate and operating/maintenance manuals mandatory.</b>	Mandatory	----- (Yes/No)

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Date: _____	Official Stamp _____