

Name of the Trade		Mechanic Machine Tool Maintenance		
S.No.	Name of the item	Std List No.	Type of the item (Tool / Equipment / Machinery)	Specifications
(i)	(ii)	(iii)	(iv)	(v)
1	Steel Rule 15 cm both side Graduated in Metric & English.	1	T. Toolkit	Standard Steel Rule of 150 mm Length ,both side marking in inches ,cm & mm
2	Center punch 100 mm	2	T. Toolkit	Centre punch with face 9mm,100mm length and working point Hardened & Tempered High Carbon Steel
3	File flat 2 nd cut 250 mm	3	T. Toolkit	A Standard Flat File 350 mm long 2nd cut Type made of High Carbon Steel with handle
4	File flat bastard 350 mm	4	T. Toolkit	A Standard Flat File 350 mmlong Bastard Type made of High Carbon Steel with handle
5	File flat smooth 200 mm	5	T. Toolkit	A Standard Smooth file 200mm long made of high carbon steel with handle
6	Hermaphrodite Caliper 150 mm	1	T. Toolkit	Made of selected steel, exceptionally rugged legs and well finished. Working faces hardened to 58 HRC
7	Try Square 150 mm	2	T. Toolkit	Having length of 150MM blade & having markings in inches, cm & mm made of Hardened Steel
8	Hack Saw frame adjustable 250-300 mm with blades.	3	T. Toolkit	Standard Hacksaw Adjustable frame made of Steel suitable for 250-300 mm blade fitment.
9	Hammer ball peen 400 gm with handle.	4	T. Toolkit	400gm with wooden handle
10	Cold Chisel 20 x200 mm	5	T. Toolkit	Chisel cold flat with face size 20mm, 200 length made of Hardened & Tempered High Carbon Steel
11	Cross Chisel 10x150 mm	6	T. Toolkit	Chisel cross with face size 10mm, 150 length made of Hardened & Tempered High Carbon Steel
12	Half Round Chisel 10x150 mm	7	T. Toolkit	Chisel half round with face size 10mm, 150 length made of Hardened & Tempered High Carbon Steel
13	Diamond point Chisel 10x150 mm	8	T. Toolkit	Dimond Point Chisel size 10mm, 150 length made of Hardened & Tempered High Carbon Steel
14	File Half round 2 nd cut 250 mm	9	T. Toolkit	Half Round File 250 mm long 2nd cut Type made of High Carbon Steel with handle
15	File triangular smooth 200 mm	10	T. Toolkit	A Standard triangular Smooth file 200mm long made of high carbon steel with handle
16	File round smooth 200 mm	11	T. Toolkit	A Standard Round Smooth file 200mm long made of high carbon steel with handle
17	File square smooth 200 mm	12	T. Toolkit	A Standard Square Smooth file 200mm long made of high carbon steel with handle
18	Round nose pliers 200 mm	13	T. Toolkit	A standard round nose plier 200mm length
19	Combination pliers 200 mm	14	T. Toolkit	A standard Combination plier 200mm length
20	Scraper A 250 mm (Bearing)	15	T. Toolkit	Standard Scraper A(bearing) 250mm long forged and perfectly tempered to assure an absolute true shape for scraping jobs on bearings, valves, etc. Highly polished finish
21	Scraper B 250 mm (Triangular)	16	T. Toolkit	Standard Scraper B (triangular) 250mm long forged and perfectly tempered to assure an absolute true shape for scraping jobs on bearings, valves, etc. Highly polished finish
22	Scraper D 250 mm (Half Round)	17	T. Toolkit	Standard Scraper D(Half Round) 250mm long forged and perfectly tempered to assure an absolute true shape for scraping jobs on bearings, valves, etc. Highly polished finish
23	Spindle blade screw driver 100 mm	18	T. Toolkit	100 mm heavy duty HCS with insulated
24	Allen keys 2 to 16 mm (Hexagonal)	19	T. Toolkit	2 to 16 mm (Hexagonal)
25	Card file	20	T. Toolkit	3"x5" Size. Brass wire or steel wire
26	Tap and die set M6, M8, M10, M12, M16, M20 & M25 with necessary tap wrench and die holder.	1	Equip	M6, M8, M10, M12, M16, M20 & M25 with necessary tap wrench and die holder.
27	Spanner socket set of 25 pieces (10 to 25, 27, 30, 32, mm = 18 pcs and assorted = 7 nos.)	2	Equip	made of drop forged carbon steel polished/chrome plated 25 pieces (10 to 25, 27, 30, 32, mm = 18 pcs and assorted = 7 nos.)
28	Hammer soft (faced 30 mm dia.) plastic tipped.	3	Equip	(faced 30 mm dia.) plastic tipped.
29	Pipe wrench 450	4	Equip	High-tensile strong SG Iron casted Handle and Hardened tool steel parts are designed to work on Heavy Job.dia 450mm
30	Chain pipe wrench 650	5	Equip	High-tensile strong SG Iron casted Handle and Hardened tool steel parts are designed to work on Heavy Job.dia 650mm
31	Telescopic gauges 13 mm to 300 mm.	6	Equip	13 mm to 300 mm.

32	Tap Extractor	7	Equip	Minimum Tap Size (Inch)3/16 , Maximum Tap Size (Inch):1/2
33	Linear Actuator (Differential and non-differential)	8	Equip	(Differential and non-differential)
34	Cut section model of Pneumatic vales	9	Equip	cut section
35	Vibrometer	10	Equip	(sensitivity), pC*s2/m - 0.1 to 500.
36	Flow Detector	11	Equip	full power 12 - 25 Vdc, 250 mA 12 - 25 Vdc,low power 40 mA average with 250 mA peaks
37	Magnetic crack detector	12	Equip	Permanent magnet yoke and portable
38	Engineers Stethoscope	13	Equip	includes a headset, two different length probes (70 and 220 mm) and a pre recorded audio CD demonstrating the most common encountered troublesome machine noise
39	Stud Extractor	14	Equip	(1/4"-20 thru 5/8"-18)
40	Tool picker collet type	15	Equip	collate type
41	Tool picker magnetic type	16	Equip	Aluminum surface Lift capacity: 120 LBS Powerful permanent magnets are protected by an aluminum shell
42	Magnifying Glass 75 mm	17	Equip	75mm With metal frame
43	Pin spanner set	18	Equip	Manufactured from chrome vanadium steel with a highly polished chrome plated finish.
44	Hand keyway breacher	19	Equip	Hand keyway breacher
45	C.I. Surface plate 400 x 400 mm with stand and cover	20	Equip	400 x 400 mm with wooden stand and cover
46	Head lamp	21	Equip	100 Watt
47	Bearing and gear tester	22	Equip	ABS/PC, IP54,Size: 158 x 62 x 30 mm (6.2 x 2.4 x 1.2 in) Weight: 185 g (6.5 ounces) including battery Keypad: Sealed membrane (silicone rubber) Display: Graphic monochrome, 64 x 128 pixels, LED backlight Bearing condition indication: Green, yellow and red light LEDs Measurement indication: Blue light LED
48	Master test bars (Different sizes)	23	Equip	Different sizes
49	Spirit Level 150 mm, accuracy 0.02 mm / 1000 mm	24	Equip	150 mm,accuracy 0.02 mm/1000mm
50	3 Cells Torch	25	Equip	4.5 Volt
51	Gasket Hollow punches 5, 6, 8, 10, 12, 19, 25 mm dia.	26	Equip	5, 6, 8, 10, 12, 19, 25 mm dia.
52	Bar type Torque Wrench	27	Equip	(14 to 68 Nm)
53	Cam lock type Screw Driver	28	Equip	2mm x 14mm flat blade screwdriver slot cam lock
54	Flaring tools	29	Equip	Makes both 45° and 37° single flares. Fast cam lever operation
55	Tube Expander up to 62 mm	30	Equip	62 mm
56	Circlip Pliers (inside, outside and straight)	31	Equip	(inside, outside and straight)
57	Sledge hammer 5 Kgs.	32	Equip	weight 5 Kgs
58	Viscometer	33	Equip	Measurable minimum viscosity shall be 10 cP or lower and maximum upto 500 cP.
59	Vernier height gauge 300 mm	34	Equip	300 mm with least count 0.02mm
60	Maintenance tool kit trolley of 1200 x 800 x1200 mm (L x W x H)	35	Equip	1200 x 800 x1200 mm (L x W x H)
61	Steel lockers for 20 trainees	36	Equip	A Standard Steel Locker having capacity of 8 compartment having 6.5 Ft X 3 Ft X 1.5 Ft Dimensions (Length X Breadth X Height) and material of the locker is 20 SWG and entire locker should be powder coated with locking arrangement of each compartment.
62	Steel cupboard 180 cm x 60 cm x 45 cm	37	Equip	Standard Steel Almirah having dimensions of 1980 X910X480 mm with cupboard as per IS 3312-1984 made of MS sheet 18 SWG , Five compartments adjustable type ,Good quality handle , Fitted with lock & key
63	Workbench 240 cm x 120 cm x 75 cm (Each bench fitted with 4 vices)	38	Equip	Work bench 340x120x75 cm made of heavy wooden top of atleast 50mm thick wood and frame made of angle iron 50*50*6 mm fitted with rigis supports with 4 bench vices of 150 mm jaw opening
64	Bench Vice with 100 mm jaw	39	Equip	100 mm jaw,Cast iron body jaw plates hard and temper steel 12cm
65	Letter punch 5 mm set	40	Equip	Hardened steel suitable to punch soft metals and mild steel. Letter punch set of A to Z (Capital) of face 6mm & length 100 mm

66	Number punch 5 mm set	41	Equip	Hardened steel suitable to punch soft metals and mild steel. Number punch set of 0 to 9, of face 6mm & length 100 mm
67	Deep cutting hacksaw frame 300 mm	42	Equip	300 mm body mild steel
68	Bearing puller	43	Equip	Bearing puller Carbon steel
69	Vernier Bevel protractor with 150 mm blade	1	instrument	150 mm blade
70	Vernier caliper 200 mm with Inside and depth measurements	2	instrument	200 mm with Inside and depth measurements WITH LEAST COUNT 0.02MM
71	Dial vernier caliper 200 mm, with 0.02 mm least count	3	instrument	200 mm, with 0.02 mm least count
72	Optical Bevel protractor	4	instrument	With Magnifying glass and acute angle attachment Two Blades 150mm and 300mm Least Count 5', Digimatic Electronic Type also available
73	Outside micrometer 0 to 25mm	5	instrument	0 to 25mm WITH LEAST COUNT 0.02MM
74	Outside micrometer 25 to 50 mm	6	instrument	25 to 50 mm WITH LEAST COUNT 0.02MM
75	Outside micrometer 50 to 75 mm	7	instrument	50 to 75 mm WITH LEAST COUNT 0.02MM
76	Combination set with 300 mm blade centre head, square head and protector head.	8	instrument	300 mm blade centre head, square head and protector head.
77	Sine bar 200 mm	9	instrument	200 mm MATERIAL HIGH CARBON STEEL (ISI)
78	Slip Gauge Box (workshop grade) - 87 pieces per set	10	instrument	87 pieces per set
79	Inside micrometer 50 mm to 200mm, 0.01 mm least count with six extension rod.	11	instrument	50 mm to 200mm, 0.01 mm least count with six extension rod.
80	Gear tooth Micrometer (metric)	12	instrument	Gear tooth Micrometer (metric) made aloye steel
81	Bevel gauge 200	13	instrument	200 mm
82	Dial test indicator - Plunger type-Range 0-10 mm , Graduation 0.01 mm & 0.001mm Reading 0-10 with revolution counter (complete with clamping devices and magnetic stand)	14	instrument	Plunger type-Range 0-10 mm , Graduation 0.01 mm, Reading 0-100 with revolution counter (complete with clamping devices and stand)
83	Dial test indicator - Puppitast type-Range 0-10 mm , Graduation 0.01 mm & 0.001 mm. Reading 0-10 with revolution counter (complete with clamping devices and magnetic stand)	15	instrument	Puppitast type-Range 0-10 mm , Graduation 0.01 mm & 0.001 mm. Reading 0-10 with revolution counter (complete with clamping devices and magnetic stand)
84	Feeler gauge	16	instrument	MATERIAL HIGH CARBON STEEL 10 blades (set) Range 0.05 to 0.30 mm
85	Radius gauge 1 to 25 mm radius	17	instrument	1 to 25 mm radius
86	Screw pitch gauge for metric, standard & fine pitches. BSP & BSW pitches (0.25 to 6 mm)	18	instrument	,MATERIAL HIGH CARBON STEEL range of pitch (0.25 to 6 mm)
87	Center gauge 55° x 47 ⁰	19	instrument	55° x 47 ^{1/2} °
88	Center gauge 60°	20	instrument	60°
89	Plug gauge Morse taper No.1, 2, 3, 4,	21	instrument	No.1, 2, 3, 4,
90	Ring gauge Morse taper No.1, 2, 3, 4,	22	instrument	1, 2, 3, 4,
91	Ring gauge Ø20mm (Go and No Go)	23	instrument	Ø20mm (Go and No Go)
92	Limit plug gauges Ø20mm	24	instrument	Ø20mm
93	Wire gauges	25	instrument	MATERIAL HIGH CARBON STEEL Range 0 to 30 mm
94	Bore gauge with dial indicator (1 mm range, 0-0.01 mm graduation)-Range of bore gauge 18-150 mm)	26	instrument	(1 mm range, 0-0.01 mm graduation)-Range of bore gauge 18-150 mm)
95	Straight edge 485 mm to 1445 mm	27	instrument	Straight edge steel 1 meter make with stainless steel 485 mm 1445 mm
96	Bearing fitting tool	28	instrument	simple, convenient, versatile tool to mount small and medium sized bearings without damaging them, The kit should comprises of hardened, ground, individually numbered impact rings and sleeves. Each impact ring is as per bearing size. I
97	Multimeter	29	instrument	Digital type and The basic measurements will include: •Current (DC),•Current (AC),•Voltage (DC) •Voltage (AC),•Resistance
98	Tong tester	30	instrument	ACA: 3/15/60A + 5% ACV: 300/600V + 5%, Size: 120x70x35mm ANALOG TONG TESTER with Bigger Scale, Imported Model No. MG27, Range – Current:0-5-50250A, Voltage: 0-300-600V. Accuracy: 5% DIGITAL TONG TESTER Model 266, up to 1000ACA / 100DCV / 750ACV / 20kohm / ... more...
99	Megger	31	instrument	I.R. measurement range 100 K ohm to 500 G ohm.
100	Wire stripper cum cutter	32	instrument	Wire Strippers. Our range of wire stripper is properly insulated and can easily cut wire of any dimension.

101	Crimping Tool	33	instrument	This tool is for electrical terminal crimping purposes only. This tool is made of the best quality materials.
102	Reduction sleeve and extension socket.	1	Tool	The concentricity between external and internal tapers is within .001"
103	Centre drills 3, 4 and 5 mm (Consumable)	2	Tool	3,4,5 mm made from high carbon steel
104	Revolving centre with arbor	3	Tool	Made from graded tool steel ensuring high performance and tensile strength,durable and efficient
105	Knurling tool with holder (straight, cross, diamond)	4	Tool	Made from HCS with holder(straight, cross, diamond)
106	Dog carrier	5	Tool	Dog Carrier 235, 50 and 75 mm made high carbon steel
107	Oil can pressure feed	6	Tool	oil can made STEEL with capacity .5/.25ltr
108	Tool holder (straight) to suit 6 & 8 mm sq. bit size	7	Tool	(Straight)to suit 6 & 8 mm sq. bit size
109	H.S.S. tool bits 6 mm, 8 mm sq. x100 mm length (consumable)	8	Tool	6 mm, 8 mm sq. x100 mm length (consumable)
110	Cylindrical milling cutter 0 63 x 70 x 0 27 mm	1	MM Tool	Ø 63 x 70 x Ø 27 mm(made from HSS)
111	Side and face cutter 0 80 x 10 X 0 27 mm	2	MM Tool	Ø 80 x 10 X Ø 27 mm(made from HSS)
112	Slitting Saw cutter 0 100 x 6 X 0 27 mm	3	MM Tool	Ø 100 x 6 X Ø 27 mm(made from HSS)
113	Slitting Saw cutter 0 75 x 3 X 0 27 mm	4	MM Tool	Ø 75 x 3 X Ø 27 mm(made from HSS)
114	'T' slot cutter with parallel shank- 0 17.5 x 8 mm width x dia. of shank 8 mm	5	MM Tool	Ø 17.5 x 8 mm width x dia. of shank 8 mm(made from HSS)
115	Woodruff key seating cutters A 13.5x3, A16x4	6	MM Tool	A 13.5x3, A16x4 (made from HSS)
116	Parallel shank end mill 0 5 mm, 0 6 mm, 0 8mm, 0 10 mm and 0 12 mm	7	MM Tool	Ø 5 mm, Ø 6 mm, Ø 8mm, Ø 10 mm and Ø 12 mm
117	Disc type form milling cutter (involute form -1.5 & 2 module, 20° pressure angle)	8	MM Tool	(involute form -1.5 & 2 module, 20° pressure angle)(made from HSS)
118	Scribing block universal 300mm	9	MM Tool	Base= cast iron, scriber carbon steel. 300 mm
119	V-Block-Approx 65x65x80 mm with clamping capacity of 50 mm with clamps	10	MM Tool	65x65x80 mm with clamping capacity of 50 mm with clamps
120	D.E spanners 3-4,6-8, 10-12, 13-14, 15-16, 18-19, 20-22, 24-26 (8 spanners)	11	MM Tool	3-4 , 6-8, 10-12, 13-14, 15-16, 18-19, 20-22, 24-26 (8 spanners)
121	Angle plate-adjustable 250x250x300 mm	12	MM Tool	250x250x300 mm 10x20cm, cast iron/cast steel.
122	Twist Drill Parallel Shank 0 4 mm to 0 12 mm in steps of 0.5 mm	13	MM Tool	Ø 4 mm to Ø 12 mm in steps of 0.5 mm,drill bits are made from high quality of high speed steel
123	Grinding wheel dresser (diamond dresser) with holder 1.5 carat diamond	14	MM Tool	(diamond dresser) with holder 1.5 carat diamond
124	C - clamp- 50 mm & 75 mm	15	MM Tool	50 mm & 75 mm, Steel and cast iron 5cm
125	Hand reamer 6 to 16 mm in steps of 1 mm	16	MM Tool	6 to 16 mm in steps of 1 mm , High speed steel
126	Machine reamer 6 to 16 in steps of 1 mm	17	MM Tool	6 to 16 in steps of 1 mm High spee steel
127	SS and SC centre lathe (all geared) with minimum specification	1	Machinery	Centre height of 150 mm or below, Gap bed, between centers 1000mm (with 3 jaw and 4 jaw chuck, coolant equipments).
128	Universal Milling machine with minimum specification	2	Machinery	ISO Standered
129	Surface grinding machine wheel dia 180 mm (or near) reciprocating table, longitudinal table traverse 200mm (or near) full motorized supplied with magnetic chuck 250 X120mm and necessary accessories.	3	Machinery	180 mm (or near) reciprocating table, longitudinal table traverse 200mm (or near) full motorized supplied with magnetic chuck 250 X120mm and necessary accessories.
130	Pillar Drill machine type 20mm capacity.	4	Machinery	20mm capacity. DRILLING CAPACITY 20MM NO. OF SPINDLE 8 R P M 90-3360 SPINDLE TAPPER MT 2 DIST. SPINDLE CENTRE TO COLOUMN 200MM SPINDLE TRAVEL 130MM, SIZE O SQUIRE TABLE 270X270MM, MAX. DIST BETWEEN TWO WORKING TABLE 710, MAX DIST. BETEEN SPINDLE TO BASE PAGTE 925MM, COLOUMN DIA 37.17MM SIZE OF BASE PLATE 470 X 294 MM NET WEIGHT 110KG, OVERALL DIAMENSION OF MACHINE 1305 X 710 X 465 MM MOTOR 1HP 3PHASE , V-BELT SIZE A - 43
131	Double ended Pedestal Grinder with 178 mm wheels(one fine and one rough)- motorized with twist drill grinding attachment	5	Machinery	WHEEL SIZE 178 mm. WHEEL SPACE 17 INCH, SPINDLE SPEED- 1800 RPM, MOTOR 1 HP SINGLE PHASE, STARTER TOGGLE SWITCH , WEIGHT 110 KGS
132	Flexible Hand Grinder 100 mm dia - light duty	6	Machinery	100 mm dia (lighter type)
133	Portable Drilling machine 6 mm capacity.	7	Machinery	6 mm Capacity 500 watt powerful motor,speed 2400 RPM,

134	Shaping Machine 450 mm stroke (motorized) with all attachments	8	Machinery	SHAPING MACHINE 450MM STROKE (MOTORISED) WITH ALL ATTACHMENTS.Specification: - Length of Ram Stroke - 450, Length of Ram – 914, Length x Width of Ram Bearing- 711x245, Max/min Distance of Table from Ram - 406/89, Working Surface from Table -381/279, Max. Horizontal Table Travel – 457, Max. Vertical Table Travel – 305, Angular movement of Table- +60 DEG, Max Tool Shank Size - 30x16, Max. Vertical Travel of Tool Slide – 152, Max. Swivel of Tool Head - +-60 DEG, Diameter of Clutch Pulley- 311, Number of Ram Speed/Strokes – 4, Range of Ram Stroke per min.- 17 to 75, Diameter of Motor Pulley – 89, Range of Table Feed/Stroke - 0.22 / 0.88, Tool Head Feed - Hand Feed, M
135	Pipe bending machine	9	Machinery	Capacity 2inches to 3 inches
136	Hydraulic trainer with necessary elements for different machine circuit with all types of transparent valves and pressure gauge, reservoir etc.	10	Machinery	All types of transparent valves and pressure gauge, reservoir etc.
137	Pneumatic trainer with necessary elements for demonstration different machine circuit with all types of valves, pressure gauge and compressor etc.	11	Machinery	necessary elements for demonstration different machine circuit with all types of valves, pressure gauge and compressor etc.
138	Oxy-acetylene welding Cylinder Trolley	1	Machinery	Mild Steel Frame with 6 inch Wheels
139	Welding hose P.V.C. flexible internal dia. 6 mm (Blue and red)	2	Machinery	internal dia. 6 mm (Blue and red)
140	Hose coupling Nipples	3	Machinery	Brass Made
141	Hose Protractor	4	Machinery	Digital type
142	Double stage Pressure regulator for Oxygen and Acetylene	5	Machinery	180 Kg cm.Sq. Capacity Brass Made
143	High Pressure blow pipe with tips	6	Machinery	Brass Made
144	Gas cutting torch with cutting tips	7	Machinery	Brass Made
145	Welding gloves pair (Leather)	8	Machinery	(Leather)
146	Goggles (4A) for Gas. Welding	9	Machinery	Clear Glasses
147	Spark lighter	10	Machinery	Rust Free
148	Spindle key	11	Machinery	Die Forge
149	Gas Welding table with fire bricks.	12	Machinery	Mild Steel Frame
150	Welding Machine DC or AC, (Single phase / 3 phase), 150 - 300 Amps capacity with all accessories	1	Machinery	150 - 300 Amps capacity with all accessories
151	Foundation bolts (different types)	1	E. TOOL	(different types)
152	Plumb bob	2	E. TOOL	50 Gm
153	Square Box Wrenches	3	E. TOOL	Five socket sizes in one wrench - Square = 3/4"(oversize), 1" & 1-1/8" - Hex = 9/16" & 3/4" Wrenches - Klein Tools, Inc. Fully Reversible Ratcheting Offset Box.
154	Square T Wrenches	4	E. TOOL	Square T Wrenches
155	Engineers square 700 mm	5	E. TOOL	MATERIAL HIGH CARBON STEEL (knife-wedge) 700 mm blade
156	Threaded Fastener B Type	6	E. TOOL	B Type
157	Threaded Fastener C Type	7	E. TOOL	C Type
158	Threaded Fastener F Type	8	E. TOOL	F Type
159	Hoisting Equipment: chain pulley, steel slings, rope, belt, tackles	9	E. TOOL	Chain pulley, steel slings, rope, belt, tackles