

Indicative Annual procurement plan [STRIVE]

Name of State : DELHI

Name of State : SRI GURU HARKRISHAN Pvt. ITI, TILAK NAGAR, NEW DELHI-110018 [PU07000045]

Annual Procurement Plan for Financial Year :

2023-2024

Date of Approval of Annual Procurement Plan :

Approved By/Name of Approving Authority :

TOTAL PLANNED PROCUREMENT AMOUNT (Year 1 to Year 5):- ₹186 (in INR LAKH)

YEAR WISE DETAIL OF PROCUREMENT OF ITEMS (GOODS, SERVICES, ETC.) ARE DETAILED BELOW:

A. ITEMS TO BE PROCURED IN YEAR-1

S No.	NAME OF ITEMS	SPECIFICATIONS	TRADE FOR WHICH IT IS REQUIRED	TOTAL REQUIRED	METHODE OF PROCUREMENT (eg. SHOPPING/COMPETITIVE BIDDING)
1	Contactora & auxiliary contacts SCHNEIDER, L&T, SIEMENS	3 phase, 415 Volt, 25 Amp with 2 NO and 2 NC	ELECTRICIAN	1	Competitive Bidding/ Open Market
2	Contactora & auxiliary contacts. SCHNEIDER, L&T, SIEMENS	3 phase, 415 volt, 32 Amp with 2 NO and 2 NC	ELECTRICIAN	1	Competitive Bidding/ Open Market
3	Limit Switch	Limit Switch, Liver operated 2A 500v, 2-contacts	ELECTRICIAN	1	Competitive Bidding/ Open Market
4	Rotary Switch	16 A/440v	ELECTRICIAN	2	Competitive Bidding/ Open Market

5	Cut out Relay L&T, SCHNEIDER, SIEMENS	16A, 440V	ELECTRICIAN	2	Competitive Bidding/ Open Market
6	Suspension type insulator including hardware fitting		ELECTRICIAN	2	Competitive Bidding/ Open Market
7	Hand Drill Machine	0-6 mm capacity	ELECTRICIAN	1	Competitive Bidding/ Open Market
8	Laboratory Type Induction Coil	1000 W	ELECTRICIAN	1	Competitive Bidding/ Open Market
9	Thermometer Digital	0° C - 150° C	ELECTRICIAN	1	Competitive Bidding/ Open Market
10	Earth Electrode	Secondary Cu Strip 20x5x10000mm	ELECTRICIAN	1	Competitive Bidding/ Open Market
11	Earth Electrode	Secondary GI Strip 20x5x10000mm	ELECTRICIAN	1	Competitive Bidding/ Open Market
12	Fuses	HRC 100amp	ELECTRICIAN	4	Competitive Bidding/ Open Market
13	Fuses	GLASS	ELECTRICIAN	4	Competitive Bidding/ Open Market
14	Fuses	REWIRE TYPE 100 amp	ELECTRICIAN	4	Competitive Bidding/ Open Market
15	Capacitors	ELECTROLYTIC	ELECTRICIAN	2	Competitive Bidding/ Open Market
16	Capacitors	CERAMIC	ELECTRICIAN	2	Competitive Bidding/ Open Market

17	Capacitors	POLYESTER FILM	ELECTRICIAN	2	Competitive Bidding/ Open Market
18	Capacitors	Variable	ELECTRICIAN	2	Competitive Bidding/ Open Market
19	Capacitors	DUAL RUN	ELECTRICIAN	2	Competitive Bidding/ Open Market
20	Various Electronic components 1 Pack Each	Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRAIC, IGBT, Small transformer etc.	ELECTRICIAN	1	Competitive Bidding/ Open Market
21	Various Lamps	HPMV LAMP	ELECTRICIAN	1	Competitive Bidding/ Open Market
22	Various Lamps	HPSV LAMP	ELECTRICIAN	1	Competitive Bidding/ Open Market
23	Various Lamps	LPSV LAMP	ELECTRICIAN	1	Competitive Bidding/ Open Market
24	Various Lamps	HELOGEN	ELECTRICIAN	1	Competitive Bidding/ Open Market
25	Various Lamps	LED 50 Watts	ELECTRICIAN	1	Competitive Bidding/ Open Market
26	Cables: 1- Twisted Pair 2- Non-Metallic Sheathed Cable 3- Underground Feeder Cable 4- Ribbon Cable 5- Metallic Sheathed Cable Multi-Conductor Cable 6- Coaxial Cable 7- Direct-Buried Cable	1 mtr each	ELECTRICIAN	1	Competitive Bidding/ Open Market

27	Bus bar with brackets	1 mtr each	ELECTRICIAN	3	Competitive Bidding/ Open Market
28	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case	Multi range 75 V - 150V - 300V - 600V	ELECTRICIAN	3	Competitive Bidding/ Open Market
29	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case	100 – 0 – 100 mV	ELECTRICIAN	2	Competitive Bidding/ Open Market
30	Ammeter MC analog, portable box type housed in Bakelite case	0 - 500 mA, 0-5 A, 0-25 A	ELECTRICIAN	2	Competitive Bidding/ Open Market
31	AC Ammeter MI, analog, portable box type housed in Bakelite case	0 - 1 A, 0-5 A, 0-25 A	ELECTRICIAN	2	Competitive Bidding/ Open Market
32	Kilo Wattmeter Analog	0-1.5-3KW, pressure coil rating- 240v/440v, current rating-5A/10A Analoge, portable type Housed in Bakelite case	ELECTRICIAN	1	Competitive Bidding/ Open Market
33	Magnetic Flux Meter	0-500 tesla	ELECTRICIAN	2	Competitive Bidding/ Open Market
34	Tachometer	Analog Type - 10000 RPM	ELECTRICIAN	1	Competitive Bidding/ Open Market
35	Megger	Analog - 500 V	ELECTRICIAN	2	Competitive Bidding/ Open Market

36	Wheat Stone Bridge with galvanometer and battery		ELECTRICIAN	1	Competitive Bidding/ Open Market
37	Single Phase Variable Auto Transformer	0 - 270 V, 10Amp (Air cooled)	ELECTRICIAN	1	Competitive Bidding/ Open Market
38	AC STARTER FOR 2HP to 5HP MOTORS	a. Resistance type starter	ELECTRICIAN	1	Competitive Bidding/ Open Market
39	AC STARTER FOR 2HP to 5HP MOTORS	b. Direct online Starter	ELECTRICIAN	1	Competitive Bidding/ Open Market
40	AC STARTER FOR 2HP to 5HP MOTORS	C. Star Delta Starter – Semi automatic	ELECTRICIAN	1	Competitive Bidding/ Open Market
41	AC STARTER FOR 2HP to 5HP MOTORS	D. Star Delta Starter - Soft starter	ELECTRICIAN	1	Competitive Bidding/ Open Market
42	a. Electric Induction plate (BAJAJ, PHILIPS, LG)	a. 1500 Watt, 240V	ELECTRICIAN	1	Competitive Bidding/ Open Market
43	b. Electric Kettle (BAJAJ, PHILIPS, LG)	b. 1500 Watts, 240V	ELECTRICIAN	1	Competitive Bidding/ Open Market
44	c. Electric Iron (BAJAJ, PHILIPS, LG)	c. Automatic - 750 W, 240 V	ELECTRICIAN	1	Competitive Bidding/ Open Market
45	d. Immersion Heater	d. 1500 Watt, 240V	ELECTRICIAN	1	Competitive Bidding/ Open Market

46	e. AC Table Fan HAVELLS, BAJAJ, USHA	e. 68-Watt, 230 V, 48 INCH	ELECTRICIAN	1	Competitive Bidding/ Open Market
47	e. AC Ceiling Fan HAVELLS, BAJAJ, USHA	e. 68-Watt, 230 V, 48 INCH	ELECTRICIAN	1	Competitive Bidding/ Open Market
48	f. Mixture & Grinder SUJATA, PHILIPS, PRESTIGE	g. 750 W, 240 V	ELECTRICIAN	1	Competitive Bidding/ Open Market
49	Voltage Stabilizer	AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	ELECTRICIAN	1	Competitive Bidding/ Open Market
50	DC Power Supply	0 - 30 V, 5 A	ELECTRICIAN	2	Competitive Bidding/ Open Market
51	Battery Charger	0 - 6 - 9 - 12 - 24 - 48 V, 30amp	ELECTRICIAN	1	Competitive Bidding/ Open Market
52	Current Transformer	415 V, 50Hz, CT Ratio 25 / 5 A, 5VA	ELECTRICIAN	2	Competitive Bidding/ Open Market
53	Potential Transformer	415 V, 50Hz, PT Ratio, 440V/110V, 10VA	ELECTRICIAN	2	Competitive Bidding/ Open Market
54	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement SIEMENS, TOSHIBA, L&T	1 HP	ELECTRICIAN	1	Competitive Bidding/ Open Market

55	Thyristor/IGBT controlled A.C. motor drive SIEMENS, TOSHIBA, L&T	VVVF control 3 Phase, 2 HP	ELECTRICIAN	1	Competitive Bidding/ Open Market
56	Single phase Transformer, core type, air cooled	1 KVA , 240/415 V, 50 Hz	ELECTRICIAN	3	Competitive Bidding/ Open Market
57	Three phase transformer, shell type oil cooled with Delta/ Star	3 KVA , 415/240 V, 50 Hz	ELECTRICIAN	2	Competitive Bidding/ Open Market
58	Pillar Electric Drill Machine Motorized DEWALT, BOSCH, BLACK & DECKER	12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter, Bench Type	ELECTRICIAN	1	Competitive Bidding/ Open Market
59	Motorised Bench Grinder DEWALT, BOSCH, BLACK & DECKER	1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	ELECTRICIAN	1	Competitive Bidding/ Open Market
60	Manual Motor coil Winding Machine	With step arbor	ELECTRICIAN	1	Competitive Bidding/ Open Market
61	Stepper Motor with Digital Controller		ELECTRICIAN	1	Competitive Bidding/ Open Market
62	Smart Meter SECURE, SIEMENS, SCHNEIDER, GENUS	1 Phase - Smart Energy Meter	ELECTRICIAN	1	Competitive Bidding/ Open Market
63	Smart Meter SECURE, SIEMENS, SCHNEIDER, GENUS	3 Phase - Smart Energy Meter	ELECTRICIAN	1	Competitive Bidding/ Open Market
64	EV Charger	3 phase input, 10 kW	ELECTRICIAN	1	Competitive Bidding/ Open Market

65	EV Charger (Home)	1 Phase input, 3.3 kW	ELECTRICIAN	1	Competitive Bidding/ Open Market
66	Desktop Computer	CPU: 32/64 Bit, 7th Generation or higher, i5 or latest processor, Speed: 3 GHz or Higher. RAM: 8 GB or higher, 1TB HDD/SDD, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor.	COPA	4	Competitive Bidding/ Open Market
67	ALL IN ONE PRINTER	ALL	COPA	1	Competitive Bidding/ Open Market
68	INTERACTIVE BOARD (Latest version)	INTERACTIVE BOARD (Latest version)	COPA	1	Competitive Bidding/ Open Market
69	NETWORK RACK	4 U FOR 24 PORTS	COPA	1	Competitive Bidding/ Open Market
70	HEADPHONE AND MIC SET	WIRED	COPA	5	Competitive Bidding/ Open Market
71	SOUND SYSTEM	2.1	COPA	1	Competitive Bidding/ Open Market
72	SWITCH	24 PORTS	COPA	1	Competitive Bidding/ Open Market

73	Air Conditioner	Two ton split ac	ELECTRONIC MECHANIC	2	Competitive Bidding/ Open Market
74	CRO Dual Trace	20 MHz (component testing facilities)	ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
75	Battery Charger	0 - 6 - 9 - 12 - 24 - 48 V, 30 Amp	ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
76	Digital IC Tester	N/A	ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
77	Laptops	latest configuration	ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
78	Seven segment DPM trainer	N/A	ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
79	Analog multimeter		ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market
80	Smart phones of different make	(Android/Window)	ELECTRONIC MECHANIC	4	Competitive Bidding/ Open Market
81	Cell phone power source with charger chords for different cell phone		ELECTRONIC MECHANIC	1	Competitive Bidding/ Open Market

82	Cut section Model of Mock layout of a motor car electrical system working model	Wiring with parts and accessories of a car to be arranged according to the electrical circuit of a car. Working of Self-starter, Alternator, Wiper Motor, Horn, lighting system, sparks from plug to be shown with Distributor & battery. Should be mounted on suitable table	MMV	1	Competitive Bidding/ Open Market
83	Cut section models of shock absorbers		MMV	1	Competitive Bidding/ Open Market
84	Cut section working model of automatic transmission Gear box	Sectioned to show the internal mechanism of forward and reverse speeds.	MMV	1	Competitive Bidding/ Open Market
85	Synchronous Gear box with stand for Dismantling and assembly	Gearbox with 5 Forward & 1 Reverse Gear	MMV	1	Competitive Bidding/ Open Market
86	Working model of torque converter	Model of LMV	MMV	1	Competitive Bidding/ Open Market
87	Diesel Engine CRDI - 4 stroke for Dismantling and Assembling with Swiveling Stand.	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, 800-1600cc, in running condition, with ECM, BCM (optional), and all sensors, wiring, fuel feed & cooling system & instrument cluster.	MMV	1	Competitive Bidding/ Open Market

88	Working Condition of Diesel Engine CRDI - 4 stroke Engine, Assembly with fault simulation board	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, with ECM, BCM and sensors, wiring, fuel feed, cooling system& instrument cluster. Fault setting bank for minimum 8 sensors and with diagnostic socket&Scanner to read the faults. Engine management circuit diagram to be printed on the panel board.	MMV	1	Competitive Bidding/ Open Market
89	Cut section of 4/6 cylinder diesel engine in moving condition to show movement of internal parts	6 cylinder diesel engine in working condition to show movement of internal parts	MMV	1	Competitive Bidding/ Open Market
90	Diesel Engine six Cylinder in running condition	Latest Diesel Engine CRDI 4 Stroke 6 Cylinders, Turbocharged Engine in running condition. All sensors, wiring, fuel feed, cooling system & instrument cluster	MMV	1	Competitive Bidding/ Open Market
91	Four stroke petrol engine with CNG setup-working condition	Latest 4 Stroke 3/4 cylinder MPFI Engine in running condition 800- 1600cc with ECM, BCM (optional) and all sensors, wiring, fuel feed system, cooling system& instrument cluster with CNG/ Petrol selection switch on Panel. N.B.: If ECM and BCM are available as one control unit can be purchased instead ECM, BCM as separated.	MMV	1	Competitive Bidding/ Open Market
92	Heavy Commercial vehicle	Fitted with Latest 06 cylinder CRDI diesel engine with all parts and accessories. (without body on frame)	MMV	1	Competitive Bidding/ Open Market

93	MPFI petrol engine with swiveling stand along with special tools for dismantling and assembling	Latest 4 Stroke 3/4 cylinder MPFI Engine in running condition 800- 1600cc with ECM, BCM (optional) and all sensors, wiring, fuel feed system, cooling system & instrument cluster. N.B.: If ECM and BCM are available as one control unit can be purchased instead ECM, BCM as separated.	MMV	1	Competitive Bidding/ Open Market
94	Tube/ tyre vulcanizing machine	220 V , Heater Capacity 400W x 2 With different types of Die &Mould	MMV	1	Competitive Bidding/ Open Market
95	Ultrasonic Injection cleaning equipment	Flow analysis & spray pattern test, leak test, auto programming mode, ultrasonic test with timer, Min 500 ML Lit SS Tank with Lid, SS Stand.	MMV	1	Competitive Bidding/ Open Market
96	Laptop	i5 or higher	MMV	1	Competitive Bidding/ Open Market
97	LCD projector/interactive smart board.		MMV	1	Competitive Bidding/ Open Market
98	Drawing board	(700mm x500 mm) IS: 1444	MMV	25	Competitive Bidding/ Open Market
99	Draughtsman table		MMV	25	Competitive Bidding/ Open Market
100	Ratchet spanner	6.4 sq.mm reversible	REF/AC	1	Competitive Bidding/ Open Market

101	Cylinder 134 a	5 kg	REF/AC	2	Competitive Bidding/ Open Market
102	Window A.C	1 Ton with R-22 Blend reciprocating compressor	REF/AC	2	Competitive Bidding/ Open Market
103	Split A.C	1.5 Ton with R134a or R-22 reciprocating compressor	REF/AC	1	Competitive Bidding/ Open Market
104	Gauge manifold with gauges	Different size of hoses for R 134a,R22 and R 410.	REF/AC	1	Competitive Bidding/ Open Market
105	Bus AC tutorial model	N/A	REF/AC	1	Competitive Bidding/ Open Market
106	Automatic ice cube m/c	50 kg/hour	REF/AC	1	Competitive Bidding/ Open Market
107	Split A/C (inverter technology)	1.5 TR	REF/AC	1	Competitive Bidding/ Open Market
108	Absorption system	Small Size	REF/AC	1	Competitive Bidding/ Open Market
109	Single door direct cool refrigerator, carrying with HFC and HC	185 L / R 600	REF/AC	1	Competitive Bidding/ Open Market
110	Single door direct cool refrigerator, carrying with HFC and HC	185 L / HFC	REF/AC	1	Competitive Bidding/ Open Market

111	Display Cabinet	2 ton capacity	REF/AC	1	Competitive Bidding/ Open Market
112	Laptop	Latest Configratiop	REF/AC	1	Competitive Bidding/ Open Market
113	Steel Rule with metric & British graduation	150 mm, Stainless steel	FITTER	21	Competitive Bidding/ Open Market
114	Try Square.	150 mm blade	FITTER	21	Competitive Bidding/ Open Market
115	Caliper inside spring type.	150 mm	FITTER	21	Competitive Bidding/ Open Market
116	Caliper hermaphrodite spring type	150 mm	FITTER	21	Competitive Bidding/ Open Market
117	Caliper outside spring type	150 mm	FITTER	21	Competitive Bidding/ Open Market
118	Divider spring type	150 mm	FITTER	21	Competitive Bidding/ Open Market
119	Scriber	150 mm	FITTER	21	Competitive Bidding/ Open Market
120	Centre Punch	10 mm and Length - 120 mm	FITTER	21	Competitive Bidding/ Open Market

121	Screw driver	150mm insulated flat type	FITTER	21	Competitive Bidding/ Open Market
122	Chisel cold flat	20 mm X 150 mm High carbon steel	FITTER	21	Competitive Bidding/ Open Market
123	Hammer ball peen with handle	450 grams (1 lb)	FITTER	21	Competitive Bidding/ Open Market
124	Hammer ball peen with handle.	220 grams (1/2 lb)	FITTER	21	Competitive Bidding/ Open Market
125	File flat - second cut	250 mm	FITTER	21	Competitive Bidding/ Open Market
126	File flat smooth	250 mm.	FITTER	21	Competitive Bidding/ Open Market
127	File half round second cut	150 mm.	FITTER	21	Competitive Bidding/ Open Market
128	Hacksaw frame fixed type	300 mm	FITTER	21	Competitive Bidding/ Open Market
129	Safety goggles.		FITTER	21	Competitive Bidding/ Open Market
130	Dot punch	100 mm	FITTER	21	Competitive Bidding/ Open Market

131	Steel Rule Graduated both in Metric and English Unit	300 mm Stainless steel	FITTER	4	Competitive Bidding/ Open Market
132	Straight edge steel	300 mm or above	FITTER	2	Competitive Bidding/ Open Market
133	Spirit Level metal Type - 2	300 mm Basic Length Accuracy 0.1mm/Meter	FITTER	1	Competitive Bidding/ Open Market
134	Stud Extractor EZY - out	Set of 8	FITTER	2	Competitive Bidding/ Open Market
135	Combination Set	300 mm	FITTER	2	Competitive Bidding/ Open Market
136	Micrometer outside.	0 - 25 mm	FITTER	2	Competitive Bidding/ Open Market
137	Micrometer outside.	25 - 50 mm	FITTER	2	Competitive Bidding/ Open Market
138	Micrometer outside.	50 - 75 mm	FITTER	2	Competitive Bidding/ Open Market
139	Micrometer inside with extension rods.	Accuracy 0.01 mm with extension rods up to 150 mm	FITTER	1	Competitive Bidding/ Open Market
140	Vernier caliper	150 mm	FITTER	4	Competitive Bidding/ Open Market

141	Vernier height gauges	0 - 300 mm with least count = 0.02 mm	FITTER	1	Competitive Bidding/ Open Market
142	Vernier bevel protractor Blade with Acute Angle Attachment	300 mm	FITTER	1	Competitive Bidding/ Open Market
143	Screw pitch gauge Metric	0.25 to 6 mm	FITTER	1	Competitive Bidding/ Open Market
144	Wire gauge, metric standard.		FITTER	1	Competitive Bidding/ Open Market
145	Surface plate C.I/Granite with Stand and Cover	600 x 600 mm	FITTER	1	Competitive Bidding/ Open Market
146	Marking table (Mild steel)	900X900X900 mm	FITTER	1	Competitive Bidding/ Open Market
147	Universal scribing block.	220 mm	FITTER	2	Competitive Bidding/ Open Market
148	V-Block pair with clamps	150 x 100 x 100 mm	FITTER	2	Competitive Bidding/ Open Market
149	Angle plate	150 X 150 X 250 mm	FITTER	2	Competitive Bidding/ Open Market
150	Punch letter set.	3 mm	FITTER	1	Competitive Bidding/ Open Market

151	Punch number set.	3 mm	FITTER	1	Competitive Bidding/ Open Market
152	Portable hand drill (Electric)	0 to 13 mm Capacity	FITTER	1	Competitive Bidding/ Open Market
153	Drill twist straight shank	3 mm to 12 mm by 0.5 mm H.S.S.	FITTER	2	Competitive Bidding/ Open Market
154	Drill twist Taper shank	8 mm to 20 mm by 0.5 mm H.S.S.	FITTER	2	Competitive Bidding/ Open Market
155	Taps and dies complete set in box.	Whitworth	FITTER	1	Competitive Bidding/ Open Market
156	Taps and dies complete set	5, 6, 8, 10 & 12mm set of 5	FITTER	2	Competitive Bidding/ Open Market
157	File knife edge smooth	150 mm	FITTER	4	Competitive Bidding/ Open Market
158	File feather edge smooth	150 mm	FITTER	4	Competitive Bidding/ Open Market
159	File triangular smooth	200 mm	FITTER	10	Competitive Bidding/ Open Market
160	File round second cut	200 mm	FITTER	10	Competitive Bidding/ Open Market

161	File square second cut	250 mm	FITTER	10	Competitive Bidding/ Open Market
162	Feeler gauge	Gauge Feeler / Thickness - 0.05 mm to 0.3 mm by 0.05 and 0.4 mm to 1 mm by 0.1 mm - 13 leaves	FITTER	1	Competitive Bidding/ Open Market
163	File triangular second cut.	200 mm	FITTER	10	Competitive Bidding/ Open Market
164	File flat second cut safe edge.	300 mm	FITTER	10	Competitive Bidding/ Open Market
165	File flat bastard	200 mm	FITTER	10	Competitive Bidding/ Open Market
166	File flat bastard.	300 mm	FITTER	10	Competitive Bidding/ Open Market
167	File Swiss type needle	Set of 12, Length = 150 mm	FITTER	2	Competitive Bidding/ Open Market
168	File half round second cut.	250 mm	FITTER	10	Competitive Bidding/ Open Market
169	File half round bastard.	250 mm	FITTER	10	Competitive Bidding/ Open Market
170	File round bastard.	250 mm	FITTER	10	Competitive Bidding/ Open Market

171	File hand second cut.	150 mm	FITTER	10	Competitive Bidding/ Open Market
172	File card./Wire Brush	3"x5" size, brass or steel wire	FITTER	10	Competitive Bidding/ Open Market
173	Oil Can	250 ml	FITTER	2	Competitive Bidding/ Open Market
174	Pliers combination insulated	150 mm	FITTER	2	Competitive Bidding/ Open Market
175	Wooden handle forged Soldering Iron copper bit.	230V, 250 W, 350 gm	FITTER	2	Competitive Bidding/ Open Market
176	Blow Lamp	0.5 litre	FITTER	2	Competitive Bidding/ Open Market
177	Spanner- Double Ended	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22	FITTER	1	Competitive Bidding/ Open Market
178	Spanner adjustable	150 mm	FITTER	2	Competitive Bidding/ Open Market
179	Interchangeable ratchet socket set	12 mm driver, sized 10-32 mm set of 18 socket & attachments.	FITTER	1	Competitive Bidding/ Open Market
180	Double Ended tubular Box spanner set with Tommy bar.	A/F 6-25 mm set of 10 Tommy Bar Dia. 6, 8, 10, 12, 14, 16	FITTER	1	Competitive Bidding/ Open Market

181	Glass magnifying	75 mm	FITTER	2	Competitive Bidding/ Open Market
182	Clamp toolmaker	5 cm and 7.5 cm set of 2.	FITTER	2	Competitive Bidding/ Open Market
183	Clamp "C"	100 mm	FITTER	2	Competitive Bidding/ Open Market
184	Clamp "C"	200 mm	FITTER	2	Competitive Bidding/ Open Market
185	Hand Reamer set (Taper pin straight flute)	Nominal Dia. 6, 8, 10, 12, 16mm	FITTER	1	Competitive Bidding/ Open Market
186	Machine Reamer parallel (Helical flute)	12 - 16mm set of 5.	FITTER	1	Competitive Bidding/ Open Market
187	Scraper flat	150 mm	FITTER	10	Competitive Bidding/ Open Market
188	Scraper triangular	150 mm	FITTER	10	Competitive Bidding/ Open Market
189	Scraper half round	150 mm	FITTER	10	Competitive Bidding/ Open Market
190	Chisel cold crosscut& diamond point.	9 mm X 150 mm	FITTER	10	Competitive Bidding/ Open Market

191	Chisel cold flat	9 mm X 100 mm	FITTER	10	Competitive Bidding/ Open Market
192	Chisel cold round nose	9 mm X 100 mm	FITTER	10	Competitive Bidding/ Open Market
193	Drill chuck with key	12 mm.	FITTER	1	Competitive Bidding/ Open Market
194	Pipe wrench	400 mm	FITTER	1	Competitive Bidding/ Open Market
195	Pipe vice	100 mm	FITTER	1	Competitive Bidding/ Open Market
196	Adjustable pipe die set BSP	cover pipe size 1" or 3/4"	FITTER	1	Competitive Bidding/ Open Market
197	Wheel dresser (One for 4 units) Star/Dresser with Holder	Length 150 mm, diamond point	FITTER	1	Competitive Bidding/ Open Market
198	Machine vice - Swivel Base	100 mm	FITTER	1	Competitive Bidding/ Open Market
199	Machine vice - Swivel Base	125 mm	FITTER	1	Competitive Bidding/ Open Market
200	Sleeve drill Morse	No. 0 - 1, 1 - 2, 2 - 3, 3 - 4, 4 - 5	FITTER	1	Competitive Bidding/ Open Market

201	Vice bench	150 mm	FITTER	20	Competitive Bidding/ Open Market
202	Bench working.	2400 x 1200 x 900 mm	FITTER	4	Competitive Bidding/ Open Market
203	Almirah.	1800 x 900 x 450 mm	FITTER	2	Competitive Bidding/ Open Market
204	Lockers with 8 drawers (standard size).	One locker for each trainee	FITTER	3	Competitive Bidding/ Open Market
205	Metal rack	1820 x 1820 x 450 cm	FITTER	1	Competitive Bidding/ Open Market
206	Instructor Table		FITTER	2	Competitive Bidding/ Open Market
207	Instructor Chair		FITTER	2	Competitive Bidding/ Open Market
208	Black board with easel.		FITTER	1	Competitive Bidding/ Open Market
209	Fire extinguisher (For 4 Units)	CO2 type, 3 kg capacity	FITTER	2	Competitive Bidding/ Open Market
210	Fire buckets.		FITTER	2	Competitive Bidding/ Open Market

211	Machine vice.	100mm	FITTER	2	Competitive Bidding/ Open Market
212	Wing compass.	254 mm or 300 mm	FITTER	2	Competitive Bidding/ Open Market
213	Hand hammer with handle.	1000 gm	FITTER	1	Competitive Bidding/ Open Market
214	Torque wrench (Standard/Ratchet type)	14 to 68 Nm	FITTER	1	Competitive Bidding/ Open Market
215	Power tools for fastening	Capacity 10-18mm	FITTER	1	Competitive Bidding/ Open Market
216	Different Profile gauges (Plate type) For demonstration	Metric standard	FITTER	4	Competitive Bidding/ Open Market
217	Knurling tool (Diamond, straight & Diagonal)		FITTER	1	Competitive Bidding/ Open Market
218	Indexable boring bar with inserts	1" shank	FITTER	4	Competitive Bidding/ Open Market
219	Machine maintenance manual for Lathe, Pedestal grinder, Drill machine, Power saw		FITTER	1	Competitive Bidding/ Open Market

220	Temperature gauge	Range 0 - 150°C	FITTER	1	Competitive Bidding/ Open Market
221	Dowel pin (straight)	Dia. -1" Length -4" (Mat: Stainless Steel)	FITTER	1	Competitive Bidding/ Open Market
222	Standard Tap screws	M3, M4, M5, M6, M8, M10, M12, M14, M16	FITTER	1	Competitive Bidding/ Open Market
223	Lapping plate	Dia. -6"	FITTER	2	Competitive Bidding/ Open Market
224	Medium carbon Heat treated alloy steel Metric Studs and bolts along with nuts (for display) of standard length (May be manufactured in-house)	M6, M8, M10, M12, M14, M16 (Standard)	FITTER	2	Competitive Bidding/ Open Market
225	Caps screws	M6, M8, M10, M12	FITTER	2	Competitive Bidding/ Open Market
226	Drill gauges	Letter drill gauge (A to Z), Number drill gauge (1 to 60), Metric drill gauge (1.5mm to 12.5mm, 30 holes)	FITTER	2	Competitive Bidding/ Open Market
227	Cast Iron Globe Valve (Flanged type)	150NB, Class# 150 Flange: ANSI125-B16.1	FITTER	2	Competitive Bidding/ Open Market
228	C.I. Sluice / Gate valve (flanged type)	150NB, Class# 150 Flange:	FITTER	2	Competitive Bidding/ Open Market

229	Stop cock	25NB (2-way, Threaded end)	FITTER	2	Competitive Bidding/ Open Market
230	M.S. Pipe	150NB, Sch.40, ERW, IS:1239	FITTER	2	Competitive Bidding/ Open Market
231	G.I. Pipe	25mm, Sch.40, ERW	FITTER	2	Competitive Bidding/ Open Market
232	Slip-on Forged steel Flange	150NB, ANSI-B16.5, Class#150	FITTER	4	Competitive Bidding/ Open Market
233	Bolt & Nut with washer (May be manufactured in-house)	M20x2.5x90Long (part thread - Hex. Head)	FITTER	20	Competitive Bidding/ Open Market
234	Pipe threading die with handle	Ratchet type Die head of 1/2", 3/4" and 1"	FITTER	2	Competitive Bidding/ Open Market
235	Jigs & Fixture (sample)-For demonstration (May be manufactured in-house)		FITTER	1	Competitive Bidding/ Open Market
236	Pulleys (for V-belt or Flat belt)	to fit on 50mm dia. Shaft with key slot	FITTER	1	Competitive Bidding/ Open Market
237	Steel keys (May be manufactured in-house)	to fit with key slot of shaft & pulley	FITTER	2	Competitive Bidding/ Open Market
238	Damaged old spur gear	to fit 50mm dia. Shaft	FITTER	2	Competitive Bidding/ Open Market

239	V-belt and Flat belt	to fit on pulley	FITTER	1	Competitive Bidding/ Open Market
240	Packing gasket	PTFE gasket roll small size	FITTER	1	Competitive Bidding/ Open Market
241	Washer, clutch, keys, jib, cotter & circlip	minimum 25mm size, carbon steel material	FITTER	2	Competitive Bidding/ Open Market
242	Hollow punch	Straight Shank Hollow Punch Sets 5-12mm	FITTER	1	Competitive Bidding/ Open Market
243	Drill Drift (May be manufactured in-house)	200mm hardened and black finish	FITTER	2	Competitive Bidding/ Open Market
244	Bearing different types	each type of diameter 25mm (min.)	FITTER	1	Competitive Bidding/ Open Market
245	Lifting sling	8mm Nominal Dia. Single leg sling	FITTER	2	Competitive Bidding/ Open Market
246	Bearing extractor	Universal gear puller 2 or 3 jaws adjustable	FITTER	1	Competitive Bidding/ Open Market
247	Pulley extractor	Universal gear puller 2 or 3 jaws adjustable	FITTER	1	Competitive Bidding/ Open Market
248	Trammel	300 mm	FITTER	1	Competitive Bidding/ Open Market

249	Pocker		FITTER	2	Competitive Bidding/ Open Market
250	Prick punch	100 mm	FITTER	2	Competitive Bidding/ Open Market
251	Mallet.	Dia. 100 mm X 150 mm	FITTER	2	Competitive Bidding/ Open Market
252	Aviation Snips straight Cut	300 mm	FITTER	2	Competitive Bidding/ Open Market
253	Flat headed hammers with handle.		FITTER	2	Competitive Bidding/ Open Market
254	Planishing hammer.		FITTER	2	Competitive Bidding/ Open Market
255	Snip bent Left Cut	250 mm	FITTER	2	Competitive Bidding/ Open Market
256	Stake hatchet with Leg.	300 X 200 X 20 mm	FITTER	2	Competitive Bidding/ Open Market
257	Stake grooving.	100 X 100 X 300 mm	FITTER	2	Competitive Bidding/ Open Market
258	Slip Gauge as Johnson metric set.	87 Pieces Set	FITTER	1	Competitive Bidding/ Open Market

259	Gauge snap Go and Not Go	25 to 50 mm by 5 mm, Set of 6 pieces	FITTER	1	Competitive Bidding/ Open Market
260	Gauge plug	Single ended 5 to 55 by 5 mm. Set of 11 pcs.	FITTER	1	Competitive Bidding/ Open Market
261	Gauge telescopic set.	8 - 150 mm	FITTER	1	Competitive Bidding/ Open Market
262	Dial test indicator on stand	0.01 mm least count	FITTER	1	Competitive Bidding/ Open Market
263	Sine bar	125 mm	FITTER	1	Competitive Bidding/ Open Market
264	Dial Vernier caliper. (Universal type)	0 - 300 mm, LC 0.05 mm	FITTER	1	Competitive Bidding/ Open Market
265	Screw thread micrometer with interchangeable. Pitch anvils for checking metric threads 60.	0 - 25 mm LC 0.01 mm	FITTER	1	Competitive Bidding/ Open Market
266	Depth micrometer. 0-25 mm	Accuracy 0.01 mm with standard set of extension rods up to 200 mm	FITTER	1	Competitive Bidding/ Open Market
267	Digital vernier caliper.	0 - 150 mm with least count 0.02mm	FITTER	1	Competitive Bidding/ Open Market
268	Digital Micrometer outside.	0 - 25 mm L.C. 0.001 mm.	FITTER	1	Competitive Bidding/ Open Market

269	Comparators Gauge - Dial Indication with Stand and Bracket.	LC 0.01mm	FITTER	1	Competitive Bidding/ Open Market
270	Engineer's try square (knife-edge)	150 mm Blade	FITTER	1	Competitive Bidding/ Open Market
271	Surface roughness comparison plates	N1 - N12 Grade	FITTER	1	Competitive Bidding/ Open Market
272	Digital Vernier caliper	0 - 200 mm L.C. 0.01 mm (Optional)	FITTER	1	Competitive Bidding/ Open Market
273	Vernier Bevel protector	Range 360deg, LC. : 5min(150mm blade)	FITTER	1	Competitive Bidding/ Open Market
274	Carbide Wear Block.	1 mm - 2 mm	FITTER	2	Competitive Bidding/ Open Market
275	Lathe tools H.S.S. tipped set.		FITTER	2	Competitive Bidding/ Open Market
276	Lathe tools bit.	6 mm x 75 mm HSS/Carbide	FITTER	2	Competitive Bidding/ Open Market
277	Lathe tools bit.	8 mm x 75 mm HSS/Carbide	FITTER	2	Competitive Bidding/ Open Market
278	Lathe tools bit.	10 mm x 75 mm HSS/Carbide	FITTER	2	Competitive Bidding/ Open Market

279	Arm strong type tool bit holder.	Right hand	FITTER	2	Competitive Bidding/ Open Market
280	Arm strong type tool bit holder.	Left hand	FITTER	2	Competitive Bidding/ Open Market
281	Arm strong type tool bit holder.	Straight	FITTER	2	Competitive Bidding/ Open Market
282	Stilson wrenches/pipe wrench	250 mm	FITTER	2	Competitive Bidding/ Open Market
283	Pipe cutter wheel type.	6 mm to 25 mm	FITTER	1	Competitive Bidding/ Open Market
284	Pipe bender machine spool type with stand manually operated.	up to 25 mm cold bending	FITTER	1	Competitive Bidding/ Open Market
285	Adjustable pipe chain tonge to take pipes	up to 300 mm	FITTER	1	Competitive Bidding/ Open Market
286	Adjustable spanner.	380 mm long	FITTER	1	Competitive Bidding/ Open Market
287	SS and SC centre lathe (all geared) with minimum specification	Centre height 150 mm and centre distance 1000 mm along with 3 & 4 jaw chucks, auto feed system, safety guard, taper turning attachment, motorized coolant system, lighting arrangement & standard accessories.	FITTER	2	Competitive Bidding/ Open Market

288	Pillar Type Drilling machine	Sensitive 0-20 mm cap. with swivel table motorized with chuck & key.	FITTER	1	Competitive Bidding/ Open Market
289	Drilling machine bench	Sensitive 0-12 mm cap motorized with chuck and key.	FITTER	2	Competitive Bidding/ Open Market
290	D.E. pedestal Grinding machine with wheels rough and smooth	2 H.P.-3Phase-415V, 1500 rpm,250 dia. wheel	FITTER	1	Competitive Bidding/ Open Market
291	Transformer welding set - continuous welding current, with all accessories and electrode holder 60% Duty Cycle with Standard Accessories	300 A, OCV 60 - 100 V,	FITTER	1	Competitive Bidding/ Open Market
292	Welder cable	Able to carry 300 amps. With flexible rubber cover	FITTER	20	Competitive Bidding/ Open Market
293	Lugs for cable		FITTER	12	Competitive Bidding/ Open Market
294	Earth clamps.		FITTER	2	Competitive Bidding/ Open Market
295	Arc welding table (all metal top) with positioner.	1200 X 1200 X 750 mm	FITTER	1	Competitive Bidding/ Open Market
296	Oxy - acetylene gas welding set equipment with hoses, Oxygen & Acetylene cylinders, regulator and other accessories.		FITTER	1	Competitive Bidding/ Open Market

297	Gas welding table with positioner with Fire Bricks	900 X 600 X 750 mm	FITTER	1	Competitive Bidding/ Open Market
298	Welding torch tips of different sizes for Oxy - acetylene gas welding	To fit nozzle no. 1, 2, & 3	FITTER	1	Competitive Bidding/ Open Market
299	Gas lighter.		FITTER	2	Competitive Bidding/ Open Market
300	Trolley for gas cylinders.		FITTER	1	Competitive Bidding/ Open Market
301	Chipping hammer.		FITTER	2	Competitive Bidding/ Open Market
302	Gloves (Leather)		FITTER	2	Competitive Bidding/ Open Market
303	Leather apron.		FITTER	2	Competitive Bidding/ Open Market
304	Spindle key for cylinder valve.		FITTER	2	Competitive Bidding/ Open Market
305	Welding torches.	Nozzles no. 1, 2, & 3	FITTER	1	Competitive Bidding/ Open Market
306	Welding goggles		FITTER	4	Competitive Bidding/ Open Market

307	Welding helmet with coloured flame retardant glass		FITTER	2	Competitive Bidding/ Open Market
308	Tip cleaner		FITTER	5	Competitive Bidding/ Open Market
309	Compressor unit	suitable for Pressure: 8 bar, Delivery: 50 lpm (or more), Reservoir capacity: 24 Litres (or more), 230V, 50 Hz, with pressure regulator and water separator	FITTER	1	Competitive Bidding/ Open Market

310	<p>Pneumatic Trainer Kit, each consisting of the following matching components and accessories:</p> <ul style="list-style-type: none"> 1-Single acting cylinder 2-Double acting cylinder 3-3/2-way valve 4-3/2-way valve 5-One-way flow control valve 6- 5/2-way valve 7- 5/2-way valve 8- 5/2-way pneumatic actuated valve 9- 3/2-way roller lever valve 10-Shuttle valve (OR) 11- Two-pressure valve 12- Pressure gauge 13- Manifold with self-closing 14- Pushbutton station for electrical signal input 15-Relay station 16- 3/2-way single solenoid valve 17- 5/2-way single solenoid valve 18- 5/2-way double solenoid valve 19- Power supply unit, 20- Profile plate Anodised 	<p>Max. stroke length 50 mm, Bore dia. 20 mm, Max. stroke length 100 mm, Bore dia 20 mm, magnetic type, manually-actuated, Normally Closed, pneumatically-actuated, spring return, with manually-operated switch, pneumatically-actuated, spring return, double pilot, direct actuation Normally, 0-16 bar, NRV, 6-way, with 3 illuminated momentary-contact switches (1 NO + 1 NC) and 1 illuminated maintained- contact switch (1 NO + 1 NC), Contact load 2A, with 3 relays each with 4 contact sets (3NO+1NC or Change-over type), 5 A, with LED, with manual override and LED, Input voltage 85 – 265 V AC, Output voltage: 24 V DC, Output current: max. 4.5 A, short-circuit-proof, 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the pneumatic workstation)</p>	FITTER	1	Competitive Bidding/ Open Market
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311	Pneumatic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Worktable – Size (Approx.) L1200mmXW900mmXH900 mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit (Approx.) - L470mmxW495mmxH825m m and (3) Drawer slide height (Approx.) 85mm.	FITTER	1	Competitive Bidding/ Open Market
312	Carrier for mounting components, such as PB & relay boxes.		FITTER	1	Competitive Bidding/ Open Market
313	Cut section model for pneumatic components		FITTER	1	Competitive Bidding/ Open Market

314	<p>Hydraulic Trainer Kit, each consisting of the following matching components and accessories:</p> <ul style="list-style-type: none"> 1- Hydraulic Power pack 2- Pressure relief valve 3- Drip tray, steel 4- Pressure Gauge 5- Four-Way distributor 6- Double acting hydraulic cylinder 7- Suitable Weight 8- Mounting kit for weight 9- 3/2-way directional control valve 10- 4/2-way directional control valve 11- 4/3-way directional control valve 12- Non-return valve. 13- Pilot-operated check valve 14- One-way flow control valve 15- T-Connector with self-sealing coupling nipples (2 Nos.) and quick coupling socket (1 No.). 16- Profile plate 	<p>with (1) external gear pump having a delivery rate of 2.5 lpm, (approx.) @ 1400 rpm operating pressure 60 bar, coupled to a single-phase AC motor (230 V AC) having start capacitor and ON/OFF switch and overload protection, (2) pressure relief valve adjustable from 0– 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports., pilot-operated, size 1160 mm x 760 mm. Glycerin-damped, Indication range of: 0 – 100 bars, with five ports, equipped with a pressure gauge, with a control cam, Piston diameter 16 mm, Piston rod diameter 10 mm, Stroke length 200 mm. for vertical loading of hydraulic cylinder, for realizing pulling and pushing load, with hand lever actuation closed-centre position, with hand lever actuation. Pilotto open. Withintegrated check valve. Anodised Aluminium, 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the Hydraulic workstation)</p>	FITTER	1	Competitive Bidding/ Open Market
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315	Hydraulic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Worktable – Size (Approx.) L1200mmXW900mmXH900 mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit (Approx.) L470mmxW495mmxH825m m and (3) Drawer slide height (Approx.) 85mm.	FITTER	1	Competitive Bidding/ Open Market
316	Cut-section models for hydraulic components		FITTER	1	Competitive Bidding/ Open Market