

	A. Items to be	Procured in 5 Year Plan Under STRIVE	
Sr. No.	Name of items with specification	Trade/Course for which it required	Total Required (Nos.)
1	Welding helmet fibre	Welder (Dual Mode)	20 Nos.
2	Welding hand shield fibre	Welder (Dual Mode)	20 Nos.
3	Chipping hammer 250 gram	Welder (Dual Mode)	20 Nos.
4	Chisel cold flat 19mmX150mm	Welder (Dual Mode)	20 Nos.
5	Centre punch 9mmX127mm	Welder (Dual Mode)	20 Nos.
6	Divider 200mm	Welder (Dual Mode)	20 Nos.
7	Stainless steel rule300 mm.	Welder (Dual Mode)	20 Nos.
8	Scriber 150mm double point	Welder (Dual Mode)	20 Nos.
9	Flat tongs 350mm long	Welder (Dual Mode)	20 Nos.
10	Hacksaw frame fixed 300mm	Welder (Dual Mode)	20 Nos.
11	File half round Bastard 300mm.	Welder (Dual Mode)	20 Nos.
12	File flat 350mm. bastard	Welder (Dual Mode)	20 Nos.
13	Hammer ball pen 1 kg with handle	Welder (Dual Mode)	20 Nos.
14	Tip cleaner	Welder (Dual Mode)	20 Nos.
15	Try square 6"	Welder (Dual Mode)	20 Nos.
	D: Class Room Furniture for		
16	Instructor Laptop with Latest (Vista & Above) Configuration pre loaded with operating System and MS office package.	Welder (Dual Mode)	01 No.
17	Steel Almirah-91.6cmX198.1cmX48.6cm	Welder (Dual Mode)	01 No.
18	Welding helmet fibre	WELDER	11 Nos.
19	Welding hand shield fibre	WELDER	11 Nos.
20	Chipping hammer 250 gram	WELDER	05 Nos.
21	Chisel cold flat 19mmX150mm	WELDER	06 Nos.
22	Centre punch 9mmX127mm	WELDER	07 Nos.
23	Stainless steel rule300 mm.	WELDER	02 nos.
24	File half round Bastard 300mm.	WELDER	08 nos.
25	File flat 350mm. basterd	WELDER	01 nos.
26	Hammerball pen 1 kg with handle	WELDER	03 nos.
27	Tip cleaner	WELDER	13nos.
28	Try square 6"	WELDER	15nos.
	B.INSTRUMENTS AND GENERAL SHOP OUTFIT FOR 2 (1+1) UNITS NO ADDITIONAL ITEMS ARE REQUIRED		
	TOOLS AND EQUIPMENT		
29	Screw driver 300mm blade and 250mm blade	WELDER	1no 300mm
30	Number punch 6mm	WELDER	1set
31	Letter punch 6mm.	WELDER	1set
32	Electrode holder 600 amp.	WELDER	1nos.

33	Co2 gas pressure regulator With flow meter	WELDER	2 set
34	Argon gas pressure regulator With flow meter	WELDER	2 set
35	First aid box	WELDER	1
36	Steel almirah/cup board	WELDER	1
37	Work bench 340x 120x 75cm with 4 bench vices of 150mm jaw opening	WELDER	02no work bench.
38	Fire buckets with stand	WELDER	04 nos
39	Suitable gas cutting table	WELDER	01 no
CONSUMABLE			
40	Leather hand gloves 14"	WELDER	3 Pairs
41	Cotton hand gloves 8"	WELDER	20 pairs
42	Leather apron leather	WELDER	07 nos.
43	s.s wire brush 5 rows and 3 rows	WELDER	20 no (5 row) & 12no (3row)
44	Leather hand sleeves	WELDER	03 pairs
45	Safety boots for welders	WELDER	6 pairs
46	Leg guards leather	WELDER	20 pairs
47	Arc welding single coloured glasses 108mm x 82 mm x3mm din 11amp &12amp.	WELDER	18 nos
48	Arc welding plain glass 108 mmx 82 mm x 3mm	WELDER	62 nos.
49	Gas welding goggles with colour glass 3 or 4 amp din	WELDER	24nos.
50	Safety goggles plain	WELDER	28 nos.
CLASS ROOM FURNITURE FOR TRADE THEORY			
51	Instructors laptop with latest (vista & above) configuration pre loaded with operating system and ms office package	WELDER	1
52	Lcd projector with screen	WELDER	1
53	Welding process inspection & codes dvd / CDs	WELDER	1 set
54	Double needle Machine	Sewing Technology	01 No.
55	Bar tack Machine	Sewing Technology	01 No.
56	Feed Off the Arm Double Needle	Sewing Technology	01 No.
57	Electric Automatic Steam Press	Sewing Technology	03 Nos.
58	Computer Set with UPS & multimedia projector	Sewing Technology	01 No.
59	Stitching Machine (Motorized)	S.O.T. (Emb.)	01 Nos.
60	Low seated chair	S.O.T. (Emb.)	02 Nos.
61	Cart chop	S.O.T. (Emb.)	02 Nos.
62	Computer Set with UPS & multimedia projector	S.O.T. (Emb.)	01 Nos.
63	White Magnetic Board with felt board & accessories	S.O.T. (Emb.)	01 Nos.
64	Book Shelf	S.O.T. (Emb.)	01 Nos.
A.Trainees tool kit			
65	Caliper Inside Spring type 150mm	FITTER-2nd Unit	04 No.
66	Divider spring type 150mm	FITTER-2nd Unit	06 No.
67	Centre Punch 10 mm and length-120mm	FITTER-2nd Unit	08 No.

68	Screw driver 150mm Insulated Flat Type	FITTER-2nd Unit	05 No.
69	Hacksaw frame fixed type 300 mm.	FITTER-2nd Unit	03 No.
70	Safety goggles.	FITTER-2nd Unit	06 No.
71	Claw Hammer	Carpenter	4
72	Oil Stone	Carpenter	3
73	Spirit Level	Carpenter	1
74	Spoke Shaves	Carpenter	2
75	Moulding Plane set	Carpenter	1
76	Ratchet Brace	Carpenter	2
77	G Clamp 150 mm	Carpenter	6
78	G Clamp 250 mm	Carpenter	1
79	T .Bar Cramp 1.25 meter	Carpenter	1
80	T .Bar Cramp 1.75 meter	Carpenter	1
81	Carpenter Vice 250 mm Jaws	Carpenter	10
82	Carpenter Work Bench 2400x920x800mm height	Carpenter	4
83	Fire Bucket	Carpenter	4
84	Material Rack	Carpenter	1
85	LCD Projector Screen	Carpenter	1
86	CD & DVD of different joint related to carpenter works and Varsity design of modern furniture	Carpenter	1
87	Visualizer (Latest Configurations)	Carpenter	1
88	Duel Desk (Angle Iron Desk)	Steno Hindi	08 Nos
89	Computer Chair	Steno Hindi	21 Nos
90	Computer Table	Steno Hindi	16 Nos
91	UPS (For Computer)	Steno Hindi	17 Nos
92	Desktop Computer	Steno Hindi	08 Nos
93	Microphone System	Steno Hindi	01 Nos
94	Laptop	Steno Hindi	01 Nos
95	Tool Kit hand tools	Steno Hindi	02 Nos
96	Application Software MS Office education version	Steno Hindi	01 Nos
97	Anti Virus (Casper Sky)	Steno Hindi	04 Nos
98	Scanner	Steno Hindi	01 Nos
99	Desktop Computer the latest Configuration (only LCD or LED monitor to be allowed)--	IT Lab.	18 Nos.
100	Multimedia Antivirus software, latest operating software (Licenced software) with UPS	IT Lab.	18 Nos.
101	Trainees/Computer Chairs	IT Lab.	18 Nos.
102	Trainees/Computer Table	IT Lab.	18 Nos.
103	CHAIN SURVEY	DRAUGHTSMAN CIVIL	04 Nos.
104	PRISMATIC COMPASS WITH STAND 110MM DIA	DRAUGHTSMAN CIVIL	01SET
105	PLANE TABLE WITH STAND WITH ACCESSORIES -ALIDADE, THROUH COMPASS , SPIRIT LEVEL (6")U- FORK ,PLUMB BOB ,ETC	DRAUGHTSMAN CIVIL	2SET
106	TRANSIT THEODOLITE WITH STAND ALL ACCESSORIES	DRAUGHTSMAN CIVIL	2 SET

107	LAPTOP WITH LATEST CONFIGURATION	DRAUGHTSMAN CIVIL	2
108	CAD SOFTWARE	DRAUGHTSMAN CIVIL	24 USER
109	PLOTTER A1 SIZE	DRAUGHTSMAN CIVIL	1
110	PRINTER (A3 LASER JET)WITH SCANNER(MULTIPURPOSE)	DRAUGHTSMAN CIVIL	1
111	DLP PROJECTOR (2000) LUMENS OR HIGHER)	DRAUGHTSMAN CIVIL	2
112	FIRST AID BOX	DRAUGHTSMAN CIVIL	1
113	WALL CLOCK	DRAUGHTSMAN CIVIL	1
114	DOCUMENT CAMERA/VISUALISER	DRAUGHTSMAN CIVIL	2
115	SMART BOARD/INTER ACTIVE BOARD	DRAUGHTSMAN CIVIL	
116	STEEL CUPBOARD1 180X90X45M	DRAUGHTSMAN CIVIL	
117	STEEL CUPBOARD1 120X60X45CM	DRAUGHTSMAN CIVIL	
118	BOOK SHELF	DRAUGHTSMAN CIVIL	
119	Screwdriver set, Set of 7	TPES	6
120	Insulated side cutting pliers	TPES	1
121	Long nose insulated pliers 150mm	TPES	2
122	Soldering iron 25 Watt, 240 Volt	TPES	9
123	Tweezers 150 mm	TPES	3
124	Digital Multimeter (3 3/4 digit),4000 Counts	TPES	10
125	electrician knife 100mm	TPES	14 nos
126	Soldering Iron Changeable bits	TPES	1
127	DE SOLDERING PUMP ELECTRICAL HEATED, MANUAL OPERATORS	TPES	24 NOS
128	BENCH VICE 125MM,100MM,	TPES	1 NO EACAH
129	DC REGULATED VARIABLE PROGRAMMABLE POWER DC SUPPLY 0- 30V/3A	TPES	2 NOS
130	SIGNAL GENERATOR WITH DIGITAL DISPLAY FOR FREQUENCY AMPLITUDE 10HZ TO 100KHZ,50/600 OHMS (OUTPUT IMPEDANCE	TPES	2 NOS
131	MILLI AMMETER(AC) 0-200MA	TPES	2 NOS
132	MILLI AMMETER(DC) 0-500MA	TPES	2 NOS
133	LAPTOPS LATEST CONFIGURATION	TPES	01 NOS
134	JACKET STRIPPER / CORING TOOL FOR 500 SERIES CABLE	TPES	1 NOS
135	CENTER CONDUCTOR CLEANER	TPES	1 NOS
136	UNIVERSAL DROP TRIMMER FOR RG 6/11 CABLES	TPES	1 NOS
137	F-CONNECTOR TOOL FOR RG 6/11 CABLES	TPES	1 NOS
138	F-CONNECTOR COMPRESSION TOOL FOR RG 6/11 CABLES	TPES	1 NOS
139	LED LIGHTING SYSTEM	TPES	2 SET

140	PLC SYSTEM WITH DIGITAL I/P, O/P MODULE TRAINER KIT AND SOFTWARE 1. 6 DIGITAL INPUTS (24VDC) 2 4 DIGITAL O/P (24 VDC),2KWORDS MEMORY , 256 WORDS OF REGISTER,POWERFULL FEATURE LIKE BUILT IN FLOTING POINT, SUB ROUTINE ETC, 1RS232C COMMUNICATOIN FACILITY FO R PC INTERFACE,3 CHANNELS CAN BE CAN FIGURE AS PWM OR PULSE TRAIINE O/P OR HIGH SPEED COUNTER INPUT	TPES	02 NO
141	function generator (DDS TECHNOLOGY(Sine,square,triangle,ramp,pulse,serial data,ttl and modulation	TPES	1
142	allen key screwdriver set of 5	TPES	1 set
143	Application kits for microcontroller six differe nt application (1. input interface 4x4 matrix keypad ,ASCII key pad ,Four input switch 2. Display module 16x2 LCD,Seven segment , LED Bar graph. 3. ADC/DAC module with most popular DC /DAC 0808. 4. PC interface : RS232 & USB. 5. Motor drive:DC,Servo,Stepper 6. DAQ:Data Acuqisition to sense different sensor signals.	TPES	1 set
144	Fire extinguisher	TPES	1no
145	Fire Buckets	TPES	2 NOS
146	Steel almirah	TPES	1no
147	Wheel alignment Machine-computerized 3D	MMV	01 No.
148	Four stroke petrol engine with CNG setup working condition	MMV	01 No.
149	Anti theft device	MMV	01 No.
150	Auto Electrical test bench	MMV	01 No.
151	Cleaning tray 45x30 cm.	MMV	04 Nos.
152	Cut section Model of Mock layout of a motor car –electrical system working model	MMV	01 set
153	Cut section of cross ply and radial tyres	MMV	01 No.
154	Cut section working model of automatic transmission Gear box	MMV	01 No.
155	Cut section working model of centrifugal clutch assembly	MMV	01 No.
156	Cut section working model of Diaphragm clutch assembly	MMV	01 No.
157	Cut section working model of Single plate clutch assembly	MMV	01 No.
158	Demonstration board of MPFI system	MMV	01 No.
159	Functional/experiment model of different type of sensors	MMV	01 set
160	Lifting jack screw type 3 ton, 5ton & 20 Ton capacity	MMV	01 each
161	Oil Stone 15 cm x 5 cm x 2.5 cm	MMV	01 No.
162	Oscilloscope 20MHz	MMV	01 No.
163	Philips Screw Driver set of 5 pieces (100 mm to 300 mm)	MMV	02 Nos.

164	Steel measuring tape 10 meter in a case	MMV	04 No.
165	Steering assembly - 1.Rack & pinion, 2.Worm & roller 3. Recirculating ball, 4.Power steering	MMV	01 No.
166	Telescope gauge	MMV	04 No.
167	Thermostat	MMV	02 No.
168	Tubed tyre of car, trucks & motorcycle	MMV	01 each
169	Tubeless tyre of cars & trucks	MMV	01 each
170	Vernier caliper 0-300 mm with least count 0.02mm	MMV	04 Nos.
171	Wiper motor assembly	MMV	02 No.
172	Working Model of power windows	MMV	01 No.
173	Working model of torque converter	MMV	01 No.
174	Book shelf (glass panel) 6½ ` x 3' x 1½'	MMV	02 no.
175	Computer Chair	MMV	02 no.
176	Computer Table	MMV	02 no.
177	Desktop computer and related MS office software	MMV	02 no.
178	Discussion Table 8' x 4' x 2½ `	MMV	02 no.
179	Laser printer	MMV	01 no.
180	LCD projector/ LED /LCD TV (42")	MMV	01 no.
181	Online UPS 2KVA	MMV	01 no
182	Storage Rack 6½ ` x 3' x 1½'	MMV	02 no
183	Scissors Blade SS 200mm	Electrician	4nos.
184	Outside Calliper 150mm spring type	Electrician	02nos.
185	Inside Calliper 150mm spring type	Electrician	02nos.
186	Divider 150mm spring type	Electrician	02nos.
187	Pliers long nose insulated 150 mm	Electrician	4nos.
188	Gauge, wire imperial stainless steel marked in SWG & MM, wire gauge metric	Electrician	2nos.
189	Hand Vice 50 mm jaw	Electrician	4nos.
190	Fuses HRC, Glass, Rewire Type	Electrician	4nos. Each
191	Bus Bar with brackets 01meter each	Electrician	3 Nos.
192	RCC Pole with accessories (Msangle iron, ' C ' Clamp, Stay insulator etc.) and materials 6mtr.	Electrician	1Nos.
193	A.C. Voltmeter M.I. Analog, portable box type housed in Bakelite case, Multi range 75V-150V-300V-600	Electrician	3 nos.
194	Digital Wattmeter 230V, 1KW,50Hz	Electrician	02nos.
195	Power factor meter Digital. 440V, 20A Three phase potable box type	Electrician	02nos.
196	Techometer. Analog type- 10000RPM	Electrician	1Nos.
197	Phase sequence Indicator 3phase 415V	Electrician	02nos.
198	AC Starters:-Star Delta StarterSoft Starter. for 2 to 5 H.P. A.C Motors	Electrician	1 Nos
199	Temprature Controlled Soldering Iron 50 Watt, 230 Volt.	Electrician	02nos.
200	Domestic Appliances:- a. Electric Induction Plate 1500 Watt, 240V,	Electrician	1 Nos.

201	Solar Panel With Battery 18 Watt	Electrician	01 set
202	Portable Electric Drill Machine 0-25mm capacity 750w, 240v with chuck and key	Electrician	01No.
203	Thyristor/IGBT controlled D.C. Motor Drive (only Drive)	Electrician	01No.
204	Thyristor/IGBT controlled A.C. Motor Drive VVVF Control (Only Drive)	Electrician	01No.
205	Pliers flat nose insulated 200 mm	Electrician	1No.
206	Pliers round nose insulated 100 mm	Electrician	1No.
207	Table Vice 100 mm jaw	Electrician	1No.
208	Hydrometer	Electrician	2nos.
209	Tachometer Digital Photo Sensor Type - 10000 RPM	Electrician	1No.
210	Tong Tester / Clamp Meter 0 - 100 A (Digital Type)	Electrician	2nos.
211	Potential Transformer 415 V, 50Hz, PT Ratio, 440V/110V, 10VA	Electrician	2nos.
212	Inverter with Battery 1 KVA with 12 V Battery Input- 12 volt DC, Output- 220 volt AC	Electrician	1No.
213	Single phase Transformer, core type, air cooled 1 KVA , 240/415 V, 50 Hz	Electrician	1No.
214	Digital Multi Meter DC 200mv -1000v, 0 - 10A & AC 200mv- 750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit	Electrician	4nos.
215	Cables : Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct Buried Cable	Electrician	01each
216	Earth Plate 60cm X 60cm X 3.15mm Copper Plate 60cm X 60cm X 6mm GI Plate	Electrician	01each
217	MCCB 100Amps, Triple pole	Electrician	1No.
218	ELCB and RCCB 25Amps, double pole and 25Amps, double pole, IΔn 30 mA	Electrician	01each
219	Crimping Tool 16 sq mm to 95 sq mm	Electrician	02nos.
220	Smoothing cutters 50 mm X 200mm	Electrician	02nos.
Trainees Tool Kit			
221	Steel rule 30cm graduated both in english and metric units	Machinist	31nos.
222	Outside spring caliper 150 mm	Machinist	28 Nos.
223	Inside spring caliper 150 mm	Machinist	28 Nos.
224	Hermaphrodite caliper 150 mm	Machinist	28 Nos.
225	Divider spring 150 mm	Machinist	28 Nos.
226	Centre Punch 100 mm	Machinist	28 Nos.
227	Hammer B.P. 0.5 kg	Machinist	11 Nos.
228	Cold chisel flat 25 x 200 mm	Machinist	31nos.

229	File flat bastard 300 mm	Machinist	31nos.
230	File flat 2nd cut 250 mm	Machinist	31nos.
231	File flat smooth 200 mm	Machinist	31nos.
232	Screw Driver 10 X 200 mm	Machinist	31nos.
233	Combination Plier 150 mm	Machinist	13 nos.
234	Safety glasses	Machinist	31nos.
Shop Tools, Instruments & Machinery			
235	Surface plate 400 mm x 400mm grade	Machinist	01 No.
236	Marking off table 1200 x 1200 x 600 mm high	Machinist	01 No.
237	Straight edge steel 1 meter	Machinist	01 No.
238	Straight edge steel 500 mm	Machinist	01 No.
239	Screw driver, heavy duty 300 mm with handle	Machinist	03 Nos.
240	Spindle blade screw driver 100 mm	Machinist	07 Nos.
241	Hammer lead 1 kg.	Machinist	02 Nos.
242	Spanner D.E. series 2 (set of 7 pieces)	Machinist	10 sets
243	Adjustable spanner 300 mm	Machinist	02 Nos.
244	Reduction sleeve Morse 1-1, 3-1, 4-1, 4- 2, 5-1, 5-2, 6-1,	Machinist	02 Nos.each
245	Angle plate adjustable 250 x 150 x 175 mm	Machinist	2
246	Solid parallels in pairs (different sizes) in Metric	Machinist	08 Pairs
247	Oil stone 150 x 50 x 25 mm	Machinist	08NOS.
248	Number drills H.S.S. (parallel shank)	Machinist	02set
249	Punch letter set 3mm	Machinist	01 No.
250	Punch number set 3mm	Machinist	01No.
251	Drill Chuck 0-13mm with taper shank	Machinist	01 set
252	Drill H.S.S. taper shank (6 mm to 12 mm in step of 0.5 mm)	Machinist	01set
253	File Half round 2nd cut 250 mm	Machinist	03NO.
254	File triangular smooth 200 mm	Machinist	03NO.
255	Needle file set	Machinist	06NOS.
256	Reamer	Machinist	06NOS.
257	6 mm to 25 mm by 1 mm	Machinist	02nos.
258	Compound angle vice (standard sine)	Machinist	01no.
259	Universal machine vice 100 mm	Machinist	01no.
260	Universal table angle plate 150x 150x 150mm	Machinist	01no.
261	Shaper tool holder turret type	Machinist	02nos.
Tool List for Electrical and Sensors (i) Tool list for Electrical			
262	Digital Multimeter 0-500 V	Machinist	02nos.
263	Variable resistance box Resistors with 220Ω, 150Ω, 1kΩ, 33Ω, 100Ω, 1.2Ω	Machinist	01 Each

264	DC Battery with cap 9V	Machinist	01no.
265	Dual Power supply 230V,50Hz,Fuse-800mA	Machinist	01no.
266	Solder Iron (350V),Solder lead,PCB board(Groove Board),Solder Wick	Machinist	01set
267	Inductor (400 Turns, 200 Turns, 600 Turns, 1200 Turns) , I-Core, E-core, U-core, Laminated core	Machinist	01 Each
268	Relay (5V), LED (5V)	Machinist	01no.
269	Function Generator (230V, 50Hz, Watts-12VA, Fuse-150mA)	Machinist	01no.
270	Bread Board	Machinist	01no.
271	Synchronous Motor (240V,60rpm), Capacitor For synchronous motor (0.8mf ±5% 450 VAC)	Machinist	01no.
272	Powe Cord Connecting Probes, Single strand & multi strand wires	Machinist	As required
(ii)Tool List fof Sensors			
273	Power Supply (0-30 V DC , 3A)	Machinist	01no.
Sensor Kit			
274	I. Mounting Plate	Machinist	01 Set
	II. Power distribution box(24V DC , 4A)		
	III. Counter Box (10-30 V DC/0.05A)		
	IV. Indication Box (24V DC)		
	V. Material Box		
	VI. Inductive Sensor (10-30V DC , PNP, NO, 5mm (Range))		
	VII. Capacitive Sensor (10-30V DC , PNP, NO, 2-8 mm (Range))		
	VIII. Magnetic Sensor (10-60V DC , PNP, NO, 60mm (Range))		
	IX. Ulterasonic Sensor (20-30V DC , PNP, NO, 80-300mm (Range))		
	X. Connecting Wires		
	XI. Motor With Control Unit (24V, 1 A)		
275	Vernier Caliper Depth 200 mm /8 inches with metric & inch scale (L.C. = 0.02mm) with NABL Accredited lab. Certificate	Machinist	10NOS.
276	Vernier gear tooth caliper	Machinist	01no.
277	Slip Gauge Box Metric-87 Pieces Set	Machinist	01set
278	Planer gauge standard size	Machinist	01n0.
279	First Aid Box	Machinist	01no.
280	CNC Lathe /CNC Turn Centre Specification as per Annex-A	Machinist	01no.
281	CNC Vertical Machining Centre Specification as per Annex-A	Machinist	01no.
282	a)Simulator b) Desktop Computers Specification as per Annex-A	Machinist	13Nos.
283	CNC Milling Tools Specification as per Annex-A	Machinist	
284	CNC Hole Machining Tools Specification as per Annex-A	Machinist	
285	LCD Projector / Large TV	Machinist	01NO.
286	Steel Almirah - (180*90*45mm)	Machinist	02 Nos.
288	Wing Devider 200mm	Sheet Metal Worker	04 Nos.

289	Centre Punch 100mm	Sheet Metal Worker	10 Nos.
290	Spring Devider 150mm	Sheet Metal Worker	04 Nos.
291	Soldering copper hatchet type 0.25 Kg	Sheet Metal Worker	21 Nos.
292	Prick punch 10mm	Sheet Metal Worker	21 Nos.
293	Tinman's horse stake	Sheet Metal Worker	02 Nos.
294	Hollow punch set round 3mm dia	Sheet Metal Worker	02 Nos.
295	Rivet set snap and dolly combined 3mm	Sheet Metal Worker	04 nos.
296	Raising hammer with handle	Sheet Metal Worker	04 nos.
297	Hollwoing hammer with handle	Sheet Metal Worker	04 nos.
298	Tripaning tool 70mm	Sheet Metal Worker	01 No.
299	Needle file set 150mm	Sheet Metal Worker	01 Set
300	Combination turning up and wiring machine	Sheet Metal Worker	01 No.
301	Oxy acetylene welding plant complete set	Sheet Metal Worker	01 Set
302	Glass cutter diamond point	Sheet Metal Worker	01 No.
303	Gas welding table 1220 X 760mm	Sheet Metal Worker	01 No.
304	Instructor laptop preloaded with O.S. and MS Office package	Sheet Metal Worker	01 No.
305	LCD Projector with screen	Sheet Metal Worker	01 No.
306	Steel Rule (300MM both in inch and mm)	Plumber	08 Nos.
307	Rule wooden 4 fold (600MM)	Plumber	04 Nos.
308	Hacksaw Frame adjustable (250 to 300MM)	Plumber	04 Nos.
309	Scriber (200MM)	Plumber	04 Nos.
310	Center Punch 100MM	Plumber	04 Nos.
311	Cheisel Cold flat 20 MM	Plumber	08 Nos.
312	Hammer Ball Pein 800grams	Plumber	04 Nos.
313	Hammer Ball Pein 50grams	Plumber	04 Nos.
314	File Flat rough 300MM	Plumber	04 Nos.
315	Level Spirit wooden 300MM	Plumber	04 Nos.
316	Plumb bob 50 grams	Plumber	04 Nos.
317	Trowel (C-125-IS:6013)	Plumber	04 Nos.
318	Stillson wrench 200 & 350MM	Plumber	04 Nos.
319	Screw Driver 250 MM	Plumber	04 Nos.
320	Wooden Mallet small (I S:2022)	Plumber	04 Nos.
321	Cutting Pliers 200 MM (IS:3650)	Plumber	25 Nos.
322	Steel tape - 5mtr.	Plumber	04 Nos.
323	Marking Table (900*600*900MM high)	Plumber	01 No.
324	V' Blocks with clamps (80/7-63A IS 2949)	Plumber	02 Nos.
325	Jack Plane	Plumber	01 No.
326	Gas Welding set with oxygen acetylene cylinder	Plumber	01 No.
327	Goggle pair welder (100MM)	Plumber	02 Pair
328	Brush Steel wire (150*50MM)	Plumber	01 No.
329	Table Welding (1200*750 mm with fire bricks top and stand)	Plumber	01 No.
330	Blow lamp 500 millileter	Plumber	01 No.

331	Pipe vice (to grip up to 77 mm IS-2587)	Plumber	08 Nos.
332	Leg vice (75 mm jaw on stand IS-2588)	Plumber	01 No.
333	Drill Twist (straight shank)-3 mm to 6 mm	Plumber	01 Set
334	Fire bucket with stand	Plumber	01 No.
335	Sight rail and bonning rod	Plumber	01 No.
336	Dormat, pickaxe, spade, girmale	Plumber	01 each
337	Lapping plate Dia. -6"	FITTER(Free Seat)	02 each
338	Hydraulic Trainer KIT, each consisting of the following matching components and accessories:	FITTER(Free Seat)	1 set
	I. Hydraulic Power pack 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 valveadjustable from 0 – 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports.	FITTER(Free Seat)	1 No.
	II. Pressure relief valve pilot-operated	FITTER(Free Seat)	1 No.
	III. Drip tray, steel size 1160 mm x 760 mm.	FITTER(Free Seat)	1 No.
	IV. Pressure Gauge Glycerin-damped, Indication range of: 0 – 100 bar	FITTER(Free Seat)	1 No.
	V. Four-Way distributor with five ports, equipped with a pressure gauge	FITTER(Free Seat)	1 No.
	VI. Double acting hydraulic cylinderwith a control cam, Piston diameter16 mm, Piston rod diameter10 mm, Stroke length 200 mm.	FITTER(Free Seat)	1 No.
	VII. Suitable Weight for vertical loading of hydraulic cylinder	FITTER(Free Seat)	1 No.
	VIII. Mounting kit for weight for realizing pulling and pushing load.	FITTER(Free Seat)	1 No.
	IX. 3/2-way directional control valve with hand lever actuation	FITTER(Free Seat)	1 No.
	X. 4/2-way directional control valve with hand lever actuation	FITTER(Free Seat)	1 No.
	XI. 4/3-way directional control valve closed-centre position, with hand lever actuation.	FITTER(Free Seat)	1 No.
	XII. Non-return valve.	FITTER(Free Seat)	1 No.
	XIII. Pilot-operated check valve pilot to open	FITTER(Free Seat)	1 No.
	XIV. One-way flow control valve with integrated check valve	FITTER(Free Seat)	1 No.
XV. T-Connector with self sealing coupling nipples (2 Nos.) and quick coupling socket (1 No.).	FITTER(Free Seat)	2 Nos.	

	XVI. Profile plate Anodised Aluminium, 1100x700 mm, with carriers, mounting frames and mounting accessories (To be fitted onto the Hydraulic workstation)	FITTER(Free Seat)	1 set
339	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) Work Table - Size(Approx.) L1200mmXW900mmXH900mm, 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.) - L470mmxW495mmxH825mm and(3) Drawer slide height (Approx.) 85mm.	FITTER(Free Seat)	1 No
340	Cut-section models for hydraulic components	FITTER(Free Seat)	1 set
341	Digital Micrometer 0 - 25 mm outside. L.C. 0.001 mm.	FITTER(Free Seat)	01 NO.
342	Digital Vernier caliper 0-200mm L.C.0.01mm (Optional)	FITTER(Free Seat)	01 NO.

Method of Procurement (e.g. Shopping/Competitive Bidding)

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Shopping/Competitive Bidding)
G-EM/National Competitive Bidding

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page, slightly to the right of the first line.

Vertical line on the left side of the page.

Vertical line on the left side of the page.

