


Procurement Plan for Tools under STRIVE_ITI Raiganj

For the Financial Year : 2020-21

Package Name : Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Trades.

Sl No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
1	Try Square 150 mm blade	Fitter	CTS	42 nos.	21	21	0.00110	0.02310	E-tender	No.
2	Caliper inside spring type 150 mm	Fitter	CTS	42 nos.	30	12	0.00066	0.00792	E-tender	No.
3	Caliper hermaphrodite spring type 150 mm	Fitter	CTS	42 nos.	22	20	0.00066	0.01320	E-tender	No.
4	Caliper outside spring type 150 mm	Fitter	CTS	42 nos.	33	9	0.00066	0.00594	E-tender	No.
5	Divider spring type 150 mm	Fitter	CTS	42 nos.	6	38	0.00066	0.02508	E-tender	No.
6	Centre Punch 10 mm and Length - 120 mm	Fitter	CTS	42 nos.	0	42	0.00115	0.04830	E-tender	No.
7	Chisel cold flat 20 mm X 150 mm High carbonsteel	Fitter	CTS	42 nos.	17	25	0.00130	0.03250	E-tender	No.
8	Hammer ball peen With handle 450 grams (1 lb)	Fitter	CTS	42 nos.	3	39	0.00350	0.13650	E-tender	No.
9	Hammer ball peen With handle 220 grams (1/2 lb)	Fitter	CTS	42 nos.	10	32	0.00180	0.05760	E-tender	No.
10	File flat Second cut 250 mm	Fitter	CTS	42 nos.	21	21	0.00680	0.14280	E-tender	No.
11	File flat smooth 250 mm	Fitter	CTS	42 nos.	10	32	0.00700	0.22400	E-tender	No.
12	File half round second cut 150 mm	Fitter	CTS	42 nos.	22	20	0.00750	0.15000	E-tender	No.
13	Dot punch 100 mm	Fitter	CTS	42 nos.	21	21	0.00044	0.00924	E-tender	No.
14	Measuring Steel Tape- 5 meter	Electrician	CTS	42	0	42	0.00100	0.04200	E-tender	No.
15	Combination Plier Insulated 200 mm- 200 mm	Electrician	CTS	42	5	37	0.00150	0.05550	E-tender	No.
16	Screw driver Insulated- 4mm X 150 mm, Diamond Head	Electrician	CTS	42	0	42	0.00100	0.04200	E-tender	No.
17	Screw driver Insulated- 6mm X 150 mm	Electrician	CTS	42	0	42	0.00272	0.11424	E-tender	No.
18	Electrician screw driver thin stem insulated handle- 4mm X 100 mm	Electrician	CTS	42	0	42	0.00112	0.04704	E-tender	No.
19	Electrician Screw driver thin stem insulated handle- 4mm X 250 mm	Electrician	CTS	42	0	42	0.00150	0.06300	E-tender	No.
20	Punch Centre- 9mm X 150 mm	Electrician	CTS	42	0	42	0.00250	0.10500	E-tender	No.
21	Neon Tester- 500 V	Electrician	CTS	42	0	42	0.00037	0.01554	E-tender	No.
22	Steel Rule Graduated both in Metric and English Unit- 300 mm with precision of 1/4th mm	Electrician	CTS	42	0	42	0.00065	0.02730	E-tender	No.
							1.38780			


Chairperson
 IMC of ITI Raiganj
 Karnajora
 Uttar Dinajpur


Secretary
 IMC of ITI Raiganj
 Karnajora
 Uttar Dinajpur

Procurement Plan for Machinery under STRIVE_ITI Raiganj

For the Financial Year : 2020-21

Package Name : Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Trades.

Sl No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
1	Sud Extractor EZY - out Set of 8	Fitter	CTS	2 sets	0	2	0.00500	0.01000	E-Tender	
2	Combination Set 300 mm	Fitter	CTS	2 nos.	1	1	0.02500	0.02500	E-Tender	
3	Micrometer outside 50 - 75 mm	Fitter	CTS	2 nos.	1	1	0.01000	0.01000	E-Tender	
4	Micrometer inside with extension rods. Accuracy 0.01 mm with extension rods upto 150 mm	Fitter	CTS	1 no.	0	1	0.05000	0.05000	E-Tender	
5	Vernier calliper 150 mm	Fitter	CTS	4 nos	3	1	0.00450	0.00450	E-Tender	
6	Screw pitch gauge 0.25 to 6 mm	Fitter	CTS	1 no.	0	1	0.00150	0.00150	E-Tender	
7	Wire gauge, metric standard	Fitter	CTS	1 no.	0	1	0.00150	0.00150	E-Tender	
8	Surface plate C I/Granite with Stand and Cover 600 x 600 mm	Fitter	CTS	1 no.	0	1	0.06000	0.06000	E-Tender	
9	Angle plate 150 X 150 X 250 mm	Fitter	CTS	2 nos	0	2	0.04000	0.08000	E-Tender	
10	Portable hand drill (Electric) 0 to 13 mm Capacity	Fitter	CTS	1 no	0	1	0.00500	0.00500	E-Tender	
11	Drill twist straight shank 3 mm to 12 mm by 0.5 mm H.S.S	Fitter	CTS	2 sets.	1	1	0.01200	0.01200	E-Tender	
12	Drill twist Taper shank 8 mm to 20 mm by 0.5 mm H.S.S	Fitter	CTS	2 sets	1	1	0.09000	0.09000	E-Tender	
13	Taps and dies complete set in box. Wire-worth	Fitter	CTS	1 no.	0	1	0.03900	0.03900	E-Tender	
14	Taps and dies complete set 5, 6, 8, 10 & 12 mm set of 5	Fitter	CTS	2 sets	1	1	0.03900	0.03900	E-Tender	
15	File feather edge smooth 150 mm	Fitter	CTS	4 Sets	0	4	0.00250	0.01000	E-Tender	
16	File triangular smooth 200 mm	Fitter	CTS	8 nos	0	8	0.00600	0.04800	E-Tender	
17	Feeler gauge Gauge Feeler / Thickness - 0.05mm to 0.3 mm by 0.05 and 0.4mm to 1mm by 0.1 mm - 13leaves	Fitter	CTS	1set	0	1	0.00019	0.00019	E-Tender	
18	File flat second cut safe edge 300 mm	Fitter	CTS	8 nos.	0	8	0.00900	0.07200	E-Tender	
19	File flat bastard 200 mm	Fitter	CTS	10 nos.	5	5	0.00250	0.01250	E-Tender	
20	File flat bastard 300 mm	Fitter	CTS	10 nos	0	10	0.00420	0.04200	E-Tender	
21	File Swiss type needle Set of 12 Length = 150 mm	Fitter	CTS	2 sets	0	2	0.00230	0.00460	E-Tender	
22	File round bastard 250 mm	Fitter	CTS	10 nos.	0	10	0.00400	0.04000	E-Tender	
23	Spanner adjustable 150 mm	Fitter	CTS	2 nos.	0	2	0.00300	0.00600	E-Tender	
24	Interchangeable ratchet socket set 12 mm driver, sized 10-32 mm set of 18 socket & attachments	Fitter	CTS	1 set	0	1	0.01500	0.01500	E-Tender	
25	Double Ended tubular Box spanner set with	Fitter	CTS	1 set	0	1	0.01200	0.01200	E-Tender	
26	Clamp toolmaker 5 cm and 7.5 cm set of 2	Fitter	CTS	2 set	0	2	0.00140	0.00280	E-Tender	
27	Clamp "C" 100 mm	Fitter	CTS	2 nos.	1	1	0.00045	0.00045	E-Tender	
28	Clamp "C" 200 mm	Fitter	CTS	2 nos.	0	2	0.00100	0.00200	E-Tender	
29	Hand Reamer set (Taper pin straight flute) Nominal Dia 6, 8, 10, 12, 16mm	Fitter	CTS	1 set	0	1	0.01700	0.01700	E-Tender	
30	Machine Reamer parallel (Helical flute) 12 - 16mm set of 5	Fitter	CTS	1 nos.	0	1	0.04200	0.04200	E-Tender	
31	Pipe wrench 400mm	Fitter	CTS	1 no.	0	1	0.00900	0.00900	E-Tender	
32	Pipe vice 100mm	Fitter	CTS	1 no	0	1	0.04500	0.04500	E-Tender	
33	Wheel dresser (One for 4 units) Star Dresser with Holder Length 150 mm, diamond point	Fitter	CTS	1nos	0	1	0.00800	0.00800	E-Tender	
34	Machine vice - Swivel Base 100mm	Fitter	CTS	1 nos	0	1	0.01400	0.01400	E-Tender	
35	Torque wrench (Standard/Ratchet type) 14 to 68 Nm	Fitter	CTS	1 no	0	1	0.04500	0.04500	E-Tender	
36	Power tools for fastening (Plate type) 10-8mm	Fitter	CTS	1 no	0	1	0.01500	0.01500	E-Tender	
37	Different Profile gauges (Plate type) For demonstration Metric standard	Fitter	CTS	4 nos	0	4	0.03600	0.14400	E-Tender	
38	Knurling tool (Diamond, straight & Diagonal)	Fitter	CTS	1 each	0	1	0.00500	0.00500	E-Tender	

S.No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
39	Indexable boring bar with inserts 1" shank	Fitter	CTS	4 nos	0	4	0.00500	0.02000	E-Tender	
40	Machine maintenance manual for Lathe, Pedestal grinder, Drill machine, Power saw	Fitter	CTS	1 each	0	1	0.02000	0.02000	E-Tender	
41	Temperature gauge Range 0 - 150°C	Fitter	CTS	1 each	0	1	0.03500	0.03500	E-Tender	
42	Dowel pin (straight) Dia. -1" Length -4" (Mat:Stainless Steel)	Fitter	CTS	1 set	0	1	0.07000	0.07000	E-Tender	
43	Standard Tap screws M3, M4, M5, M6, M8, M10, M12, M14, M16	Fitter	CTS	1 each	0	1	0.00300	0.00300	E-Tender	
44	Lapping plate Dia. -6"	Fitter	CTS	2 each	0	2	0.02500	0.05000	E-Tender	
45	Caps screws M6, M8, M10, M12	Fitter	CTS	2 each	0	2	0.00150	0.00300	E-Tender	
46	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	CTS	1 set	0	1	0.02000	0.02000	E-Tender	
47	Cast Iron Globe Valve (Flanged type) 150NB, Class# 150 Flange:ANSI125-B16.1	Fitter	CTS	2 nos.	0	2	0.03200	0.06400	E-Tender	
48	C.I. Sluice / Gate valve (flanged type) 150NB, Class# 150 Flange:ANSI125-B16.1	Fitter	CTS	2 nos.	0	2	0.03200	0.06400	E-Tender	
49	Stop cock 25NB (2-way, Threaded end)	Fitter	CTS	2 nos.	0	2	0.00900	0.01800	E-Tender	
50	M.S. Pipe 150NB, Sch.40, ERW, IS:1239	Fitter	CTS	6 mtr	0	6	0.02500	0.15000	E-Tender	
51	G.I. Pipe 25mm, Sch.40, ERW	Fitter	CTS	24 mtr	0	24	0.00500	0.12000	E-Tender	
52	Slip-on Forged steel Flange 150NB, ANSI-B16.5, Class#150	Fitter	CTS	4 nos	0	4	0.01500	0.06000	E-Tender	
53	Pipe threading die with handle Ratchet type Die head of 1/2", 3/4" and 1"	Fitter	CTS	1 no.	0	1	0.02500	0.02500	E-Tender	
54	Jigs & Fixture (sample)-For demonstration (May be manufactured in-house)	Fitter	CTS	1 set	0	1	0.02500	0.02500	E-Tender	
55	M. S. Shaft (May be manufactured in-house) Bright M.S. round bar dia 80mm, 600mm long, Stepped 30mm on 300mm one end	Fitter	CTS	2 nos.	0	2	0.02500	0.05000	E-Tender	
56	Pulleys (for V-belt or Flat belt) to fit on 50mm dia Shaft with key slot	Fitter	CTS	1 no.	0	1	0.02200	0.02200	E-Tender	
57	Damaged old spur gear to fit 50mm dia. Shaft	Fitter	CTS	2 nos.	0	2	0.00400	0.00800	E-Tender	
58	V-belt and Flat belt to fit on pulley	Fitter	CTS	1 each	0	1	0.00450	0.00450	E-Tender	
59	Packing gasket PTFE gasket roll small size	Fitter	CTS	1 no.	0	1	0.00250	0.00250	E-Tender	
60	Washer, clutch, keys, jib, cotter & circlip minimum 25mm size, carbon steel material	Fitter	CTS	2 each	0	2	0.00750	0.01500	E-Tender	
61	Hollow punch Straight Shank Hollow Punch Sets 5-12mm	Fitter	CTS	1 set	0	1	0.00400	0.00400	E-Tender	
62	Bearing different types each type of diameter 25mm (min.)	Fitter	CTS	2 each	0	2	0.00600	0.01200	E-Tender	
63	Lifting sling 8mm Nominal Dia. Single leg sling	Fitter	CTS	2 nos.	0	2	0.00700	0.01400	E-Tender	
64	Bearing extractor Universal gear puller 2 or 3 jaws adjustable	Fitter	CTS	1 no	0	1	0.00500	0.00500	E-Tender	
65	Trammel 300 mm	Fitter	CTS	1 no	0	1	0.00300	0.00300	E-Tender	
66	Prick punch 100mm	Fitter	CTS	2 nos.	0	2	0.00300	0.00600	E-Tender	
67	Aviation Snips straight Cut 300 mm	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
68	Flat headed hammers with handle	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
69	Planishing hammer	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
70	Snip bent Left Cut 250 mm	Fitter	CTS	2 nos	0	2	0.00350	0.00700	E-Tender	
71	Stake hatchet with Leg 300 X 200 X 20 mm	Fitter	CTS	2 nos	0	2	0.00800	0.01600	E-Tender	
72	Stake grooving 100 X 100 X 300 mm	Fitter	CTS	2 nos	0	2	0.00800	0.01600	E-Tender	
73	Slip Gauge as Johnson metric set 87 Pieces Set	Fitter	CTS	1 set	0	1	0.04000	0.04000	E-Tender	
74	Gauge snap Go and Not Go 25 to 50 mm by 5 mm Set of 6 pieces	Fitter	CTS	1 set	0	1	0.02000	0.02000	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
75	Gauge plug Single ended 5 to 55 by 5 mm Setof 11 pcs	Fitter	CTS	1 set	0	1	0.03200	0.03200	E-Tender	
76	Dial verniercaliper. (Universal type) 7. 0 - 300 mm, LC 0.05 mm	Fitter	CTS	1 no	0	1	0.02200	0.02200	E-Tender	
77	Depth micrometer 0-25 mm Accuracy 0.01 mm with standardset of extension rods upto 200 mm	Fitter	CTS	1 no	0	1	0.02600	0.02600	E-Tender	
78	Vernier calliper 0 - 150 mm with least count 0.02mm	Fitter	CTS	1 no	0	1	0.02200	0.02200	E-Tender	
79	Digital Micrometer outside 0 - 25 mm L.C. 0.001 mm	Fitter	CTS	1 no	0	1	0.02500	0.02500	E-Tender	
80	Surface roughness comparison plates N1 - N12 Grade	Fitter	CTS	1 set	0	1	0.03200	0.03200	E-Tender	
81	Digital Vernier calliper 0 - 200 mm L.C. 0.01 mm (Optional)	Fitter	CTS	1 no	0	1	0.02700	0.02700	E-Tender	
82	Vernier Bevel protector Range 360deg LC. : 5min(150mmblade)	Fitter	CTS	1 no	0	1	0.03200	0.03200	E-Tender	
83	Carbide Wear Block 1 mm - 2 mm	Fitter	CTS	2 each	0	2	0.00700	0.01400	E-Tender	
84	Lathe tools H.S.S. tipped set	Fitter	CTS	2 nos	0	2	0.01300	0.02600	E-Tender	
85	Lathe tools bit 6 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00600	0.02400	E-Tender	
86	Lathe tools bit 8 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00800	0.03200	E-Tender	
87	Lathe tools bit 10 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00900	0.03600	E-Tender	
88	Stillson wrenches 250 mm	Fitter	CTS	2 nos.	0	2	0.01500	0.03000	E-Tender	
89	Pipe bender machine spool type with standmanually operated up to 25 mm cold bending	Fitter	CTS	1 no.	0	1	0.02700	0.02700	E-Tender	
90	Adjustable pipe chain tonge to take pipes up to 300 mm	Fitter	CTS	1 no.	0	1	0.02400	0.02400	E-Tender	
91	Adjustable spanner 380 mm long	Fitter	CTS	1 no.	0	1	0.00700	0.00700	E-Tender	
92	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	CTS	1 no.	0	1	0.22000	0.22000	E-Tender	
93	Pneumatic Trainer Kit, each consisting of the following matching components and accessories: I. Single acting cylinder Max. stroke length 50 mm, Bore dia 20mm 1 No II. Double acting cylinder Max. stroke length 100 mm, Bore dia 20 mm, magnetic type 1 No III. 3/2-way valve manually-actuated, Normally Closed 2 Nos IV. 3/2-way valve pneumatically-actuated, spring return 1 No V. One-way flow control valve 2 Nos VI. 5/2-way valve with manually-operated switch 1 No VII. 5/2-way valve pneumatically-actuated, spring return 1 No VIII. 5/2-way pneumatic actuated Valve double pilot 1 No IX. 3/2-way roller lever valve direct actuation Normally Closed 2 Nos X. Shuttle valve (OR) 1 No XI. Two-pressure valve (AND) 1 No XII. Pressure gauge 0-16 bar 1 No XIII. Manifold with self-closing NRV, 6-way 1 No XIV. Pushbutton station for electrical signal input with 3 illuminated momentary-contact switches (1 NO + 1 NC) and illuminated maintained-contact switch(1 NO + 1 NC), Contact load 2A1 No XV. Relay station with 3 relays each with 4 contact sets (3NO+INC or Change-over type), 5 A 1 No XVI. 3/2-way single solenoid valve with LED 1 No XVII. 5/2-way single solenoid valve with manual override and LED 1 No XVIII. 5/2-way double solenoid valve with manual override and LED 1 No XIX. Power supply unit, Input voltage 85 - 265 V AC. Output voltage: 24 V DC. Output current: max. 4.5	Fitter	CTS	1 set	0	1	1.95000	1.95000	E-Tender	


No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
94	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) Work Table - Size/Approx. L1200mmXW900mmXH900mm, with four castor wheels including two lockable wheels at the front side, (2)Drawer - Size (Approx.) - 1460mmXW495mmXH158mm each, and overall size of Drawer unit(Approx.) 70mmXW495mmXH825mm and (3) Drawer slide height (Approx.) 385mm	Fitter	CTS	1 set	0	1	0.22000	0.22000	E-Tender	
95	Carrier for mounting components such as PB & relay boxes.	Fitter	CTS	1 No.	0	1	0.02300	0.02300	E-Tender	
96	Cut section model for pneumatic Components ----	Fitter	CTS	1 set	0	1	0.06000	0.06000	E-Tender	
97	Hydraulic Trainer Kit, each consisting of the following matching components and accessories: 1. 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 and1 No ON/OFF switch and overload	Fitter	CTS	1 set	0	1	2.20000	2.20000	E-Tender	
98	hydraulic work station with 40 sq 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) L 1200mm X W900mm X H900mm, with 4 castor wheels including two lockable wheels at the front side. (2-Drawer - size(approx)- length 460mm X w 495mm X H 158mm each, and overall size drawer unit (approx) L470mmX W495mm H 825mm and (3) drawer slide Height (Approx.) 85mm	Fitter	CTS	1 No.	0	1	0.25000	0.25000	E-Tender	
99	Cut section models for hydraulic Components ----	Fitter	CTS	1 No.	0	1	0.07000	0.07000	E-Tender	
100	Medium carbon heat treated alloy steel metric studs and bolts alongwith nuts (for display of standard length (may be manufactured in house) M6, M8, M10, M12, M14, M16 (Standard))			2 each	0	2	0.00500	0.01000	E-Tender	
101	Hammer, ball pen With handle- 500 grams	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
102	Pincer- 150mm	Electrician	CTS	4	0	4	0.00125	0.00500	E-Tender	
103	C-Clamp- 200 mm and 100 mm	Electrician	CTS	2	0	2	0.00600	0.01200	E-Tender	
104	Spanner Adjustable drop forged, SS- 150 mm & 300mm	Electrician	CTS	2	0	2	0.00750	0.01500	E-Tender	
105	Allen Key alloy steel- 1.5-10 mm (set of 9)	Electrician	CTS	1	0	1	0.00150	0.00150	E-Tender	
106	Grease Gun- 0.5 hr Capacity	Electrician	CTS	1	0	1	0.00175	0.00175	E-Tender	
107	Bearing Puller (inside and outside)- 200mm	Electrician	CTS	1	0	1	0.00500	0.00500	E-Tender	
108	Pipe vice Cast iron with hardened jaw open type- 100mm	Electrician	CTS	2	1	1	0.01200	0.01200	E-Tender	
109	Scissors Blade, SS- 200mm	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
110	Crimping Tool- a) 1.5 sq mm to 16 sq mm	Electrician	CTS	2	0	2	0.00300	0.00600	E-Tender	
111	b) 16 sq mm to 95 sq mm	Electrician	CTS	2	0	2	0.00800	0.01600	E-Tender	
112	Try Square- 150 mm blade	Electrician	CTS	4	1	3	0.00150	0.00450	E-Tender	
113	Divider- 150 mm spring type	Electrician	CTS	2	0	2	0.00150	0.00300	E-Tender	
114	Pliers long nose insulated- 150mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	
115	Pliers flat nose insulated- 200mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	


No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
116	Pliers round nose insulated- 100mm	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
117	Tweezers- 150mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	
118	Snip Straight and Bent heavy duty- 150mm- 250mm	Electrician	CTS	2	0	2	0.00600	0.01200	E-Tender	
119	D.E. metric Spanner Double Ended- 6-32mm	Electrician	CTS	2	1	1	0.00400	0.00400	E-Tender	
120	Drill S.S. Twist block- 2 mm, 5 mm and 6 mm set of 3	Electrician	CTS	4	0	4	0.00250	0.01000	E-Tender	
121	Plane cutters- 50 mm X 200mm	Electrician	CTS	2	0	2	0.00200	0.00400	E-Tender	
122	Smoothing cutters- 50 mm X 200mm	Electrician	CTS	2	0	2	0.00225	0.00450	E-Tender	
123	Gauge, wire imperial stainless steel marked in SWG & mm- Wire Gauge - Metric	Electrician	CTS	4	1	3	0.00075	0.00225	E-Tender	
124	Hand Vice- 50mm jaw	Electrician	CTS	4	0	4	0.00250	0.01000	E-Tender	
125	Table Vice- 100 mm jaw	Electrician	CTS	8	6	2	0.00600	0.01200	E-Tender	
126	Oil Can- 250ml	Electrician	CTS	2	0	2	0.00150	0.00300	E-Tender	
127	Hydrometer	Electrician	CTS	2	0	2	0.00075	0.00150	E-Tender	
128	Load Bank (Lamp / heater Type)- 6 KW, 3Ph	Electrician	CTS	1	0	1	0.01500	0.01500	E-Tender	
129	Thermometer Digital- 0° C - 150° C	Electrician	CTS	1	0	1	0.00250	0.00250	E-Tender	
130	Earth Plate- a) 60cm X 60cm X 3.15mm Copper Plate	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
131	b) 60cm X 60cm X 6mm GI Plate	Electrician	CTS	1	0	1	0.02000	0.02000	E-Tender	
132	Earth Electrode- Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	Electrician	CTS	1	0	1	0.04500	0.04500	E-Tender	
133	MCCB- 100Amps, Triple pole	Electrician	CTS	1	0	1	0.01500	0.01500	E-Tender	
134	ELCB and RCCB- 25Amps, double pole and 25Amps, double pole, IΔn 30 mA	Electrician	CTS	1	0	1	0.00050	0.00050	E-Tender	
135	Fuse- HRC Glass Rewire Type	Electrician	CTS	4	0	4	0.00050	0.00200	E-Tender	
136	Rheostat (Sliding type)- 0 - 25 Ohm, 2 Amp 0 - 300 Ohm, 2 Amp 0 -1 Ohm, 10Amp 0 -10 Ohm, 5 Amp	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
137	Capacitors- Electrolytic Ceramic Polyester film Variable Dual run	Electrician	CTS	2	0	2	0.00200	0.00400	E-Tender	
138	Various Electronic components- Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRIAC, IGBT, Small transformer etc.	Electrician	CTS	1	0	1	0.00250	0.00250	E-Tender	
139	Various Lamps- Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED	Electrician	CTS	1	0	1	0.01200	0.01200	E-Tender	
140	Cables: Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable- 1 mtr each	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
141	Bus bar with brackets- 1 mtr each	Electrician	CTS	3	0	3	0.00250	0.00750	E-Tender	
142	Rubber mat- 2' x 4' x 1"	Electrician	CTS	2	0	2	0.01100	0.02200	E-Tender	
143	Electrician Helmet- Yellow Colour	Electrician	CTS	2	0	2	0.00500	0.01000	E-Tender	
144	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials- 6Mtr	Electrician	CTS	1	0	1	0.02500	0.02500	E-Tender	
145	Safety Belt- Standard quality	Electrician	CTS	2	0	2	0.00450	0.00900	E-Tender	
146	Digital Multi Meter- DC 200mv -1000v, 0 - 10A & AC 200mv- 750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit	Electrician	CTS	10	4	6	0.00750	0.04500	E-Tender	
147	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case- Multi range 75 V - 150V - 300V - 600V	Electrician	CTS	3	0	3	0.00750	0.02250	E-Tender	
148	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case- 100 - 0 - 100 mV	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	

No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
149	Ammeter MC analog, portable box type housed in Bakelite case- 0 - 500 mA, 0-5 A, 0-25 A	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
150	AC Ammeter MI, analog, portable box type housed in Bakelite case- 0 - 1 A, 0-5 A, 0-25 A	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
151	Kilo Wattmeter Analog- 0-1.5-3KW, pressure coil rating 240v/440v, current rating-5A/10A Analogue, portable type Housed in Bakelite case	Electrician	CTS	2	0	2	0.03200	0.06400	E-Tender	
152	Digital Wattmeter- 230 V, 1 KW, 50 Hz	Electrician	CTS	2	0	2	0.03200	0.06400	E-Tender	
153	A.C. Energy Meter- Single Phase, 10 A, 240 V induction type	Electrician	CTS	2	0	2	0.03500	0.07000	E-Tender	
154	A.C. Energy Meter- Three Phase, 15 A , 440 V induction type	Electrician	CTS	2	0	2	0.04500	0.09000	E-Tender	
155	Power Factor Meter Digital- 440 V, 20 A, Three Phase portable box type	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	
156	Frequency Meter- 45 to 55 Hz	Electrician	CTS	2	1	1	0.00500	0.00500	E-Tender	
157	Magnetic Flux Meter- 45 to 55 Hz	Electrician	CTS	2	0	2	0.01200	0.02400	E-Tender	
158	Lux meter- 0-500 tesla lux meter LCD read out 0.05 to 7000 lumens with battery.	Electrician	CTS	2	1	1	0.00500	0.00500	E-Tender	
159	Tachometer- Analog Type - 10000 RPM	Electrician	CTS	1	0	1	0.00700	0.00700	E-Tender	
160	Tachomete- Digital Photo Sensor Type - 10000 RPM	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
161	Wheat Stone Bridge with galvanometer and battery	Electrician	CTS	2	1	1	0.02500	0.02500	E-Tender	
162	Single Phase Variable Auto Transformer- 0 - 270 V, 10Amp (Air cooled)	Electrician	CTS	2	0	2	0.03500	0.07000	E-Tender	
163	Phase Sequence Indicator- 3 Phase, 415 V	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
164	Soldering Iron- 25-Watt, 65 Watt and 120-Watt, 230 Volt	Electrician	CTS	2	0	2	0.00250	0.00500	E-Tender	
165	Temperature controlled Soldering Iron- 50-Watt, 230 Volt	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	
166	Domestic Appliances- d. Immersion Heater- 1500 Watt, 240V	Electrician	CTS	1	0	1	0.00350	0.00350	E-Tender	
167	e. A.C. Ceiling Fan and AC Table Fan- 68-Watt, 230 V	Electrician	CTS	1	0	1	0.02500	0.02500	E-Tender	
168	g. Mixture & Grinder- 750 W, 240 V	Electrician	CTS	1	0	1	0.03500	0.03500	E-Tender	
169	Voltage Stabilizer- AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	Electrician	CTS	1	0	1	0.06000	0.06000	E-Tender	
170	Battery Charger- 0 - 6 - 9 - 12 - 24 - 48 V, 30amp	Electrician	CTS	1	0	1	0.05000	0.05000	E-Tender	
171	Solar panel with Battery- 18 Watt	Electrician	CTS	1	0	1	0.10200	0.10200	E-Tender	
172	Ink jet/ laser printer	Electrician	CTS	1	0	1	0.01200	0.01200	E-Tender	
173	Motor-Generator (AC to DC)- Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling Induction Motor rating: 7.5 HP, 415V, 50 cycles, 3 phases. DC Shunt Generator rating: 5 KW, 440V (Output voltage varies 110-440v)	Electrician	CTS	1	0	1	0.45000	0.45000	E-Tender	
174	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker- D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter	Electrician	CTS	1	0	1	0.40000	0.40000	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
175	DC Series Motor coupled with spring balance load- 2.5 K.W. 220 Volts	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
176	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load- 5 HP, 3-Phase, 415 V, 50 Hz	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
177	Synchronous motor with accessories like starter, excitation arrangements- 3 Phase, 3 HP, 440V, 50Hz, 4 Pole	Electrician	CTS	1	0	1	0.05500	0.05500	E-Tender	
178	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement- 1HP	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
179	Thyristor/IGBT controlled A.C. motor drive with- VVVF control 3 Phase, 2 HP	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
180	Motorised Bench Grinder- 1 HP, 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
181	Manual Motor coil Winding Machine- With step arbor	Electrician	CTS	1	0	1	0.04200	0.04200	E-Tender	
182	Ceiling fan coil Winding Machine- 250V, 50 Hz, 1- ϕ , with speed control	Electrician	CTS	1	0	1	0.07000	0.07000	E-Tender	
183	Primary current injection set- 220V, 50 Hz, 1- ϕ , output current - 200 A (min) with timer	Electrician	CTS	1	0	1	0.15000	0.15000	E-Tender	
184	Stepper Motor with Digital Controller	Electrician	CTS	1	0	1	0.04000	0.04000	E-Tender	

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Chairperson
IMC of ITI Raiganj
Karnajora
Uttar Dinajpur


Secretary
IMC of ITI Raiganj
Karnajora
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Procurement Plan for Tools under STRIVE_ITI Raiganj

For the Financial Year : 2020-21

Package Name : Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Trades.

Sl No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
1	Try Square- 150 mm blade	Fitter	CTS	42 nos.	21	21	0.00110	0.02310	E-tender	No.
2	Caliper inside spring type 150 mm	Fitter	CTS	42 nos.	30	12	0.00066	0.00792	E-tender	No.
3	Caliper hermaphrodite spring type 150 mm	Fitter	CTS	42 nos.	22	20	0.00066	0.01320	E-tender	No.
4	Caliper outside spring type 150 mm	Fitter	CTS	42 nos.	33	9	0.00066	0.00594	E-tender	No.
5	Divider spring type 150 mm	Fitter	CTS	42 nos.	6	38	0.00066	0.02508	E-tender	No.
6	Centre Punch 10 mm and Length - 120 mm	Fitter	CTS	42 nos.	0	42	0.00115	0.04830	E-tender	No.
7	Chisel cold flat 20 mm X 150 mm High carbonsteel	Fitter	CTS	42 nos.	17	25	0.00130	0.03250	E-tender	No.
8	Hammer ball peen With handle 450 grams (1 lb)	Fitter	CTS	42 nos.	3	39	0.00350	0.13650	E-tender	No.
9	Hammer ball peen With handle 220 grams (1/2 lb)	Fitter	CTS	42 nos.	10	32	0.00180	0.05760	E-tender	No.
10	File flat Second cut 250 mm	Fitter	CTS	42 nos.	21	21	0.00680	0.14280	E-tender	No.
11	File flat smooth 250 mm	Fitter	CTS	42 nos.	10	32	0.00700	0.22400	E-tender	No.
12	File half round second cut 150 mm	Fitter	CTS	42 nos.	22	20	0.00750	0.15000	E-tender	No.
13	Dot punch 100 mm	Fitter	CTS	42 nos.	21	21	0.00044	0.00924	E-tender	No.
14	Measuring Steel Tape- 5 meter	Electrician	CTS	42	0	42	0.00100	0.04200	E-tender	No.
15	Combination Piler Insulated 200 mm- 200 mm	Electrician	CTS	42	5	37	0.00150	0.05550	E-tender	No.
16	Screw driver Insulated- 4mm X 150 mm, Diamond Head	Electrician	CTS	42	0	42	0.00100	0.04200	E-tender	No.
17	Screw driver Insulated- 6mm X 150 mm	Electrician	CTS	42	0	42	0.00272	0.11424	E-tender	No.
18	Electrician screw driver thin stem insulated handle- 4mm X 100 mm	Electrician	CTS	42	0	42	0.00112	0.04704	E-tender	No.
19	Electrician Screw driver thin stem insulated handle- 4mm X 250 mm	Electrician	CTS	42	0	42	0.00150	0.06300	E-tender	No.
20	Punch Centre- 9mm X 150 mm	Electrician	CTS	42	0	42	0.00250	0.10500	E-tender	No.
21	Neon Tester- 500 V	Electrician	CTS	42	0	42	0.00037	0.01554	E-tender	No.
22	Steel Rule Graduated both in Metric and English Unit- 300 mm with precision of 1/4th mm	Electrician	CTS	42	0	42	0.00065	0.02730	E-tender	No.

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Procurement Plan for Machinery under STRIVE_ITI Raiganj

For the Financial Year : 2020-21

Package Name : Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Trades.

Sl No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
1	Stud Extractor EZY – out Set of 8	Fitter	CTS	2 sets	0	2	0.00500	0.01000	E-Tender	
2	Combination Set 300 mm	Fitter	CTS	2 nos.	1	1	0.02500	0.02500	E-Tender	
3	Micrometer outside 50 - 75 mm	Fitter	CTS	2 nos.	1	1	0.01000	0.01000	E-Tender	
4	Micrometer inside with extension rods. Accuracy 0.01 mm with extension rods upto 150 mm	Fitter	CTS	1 no.	0	1	0.05000	0.05000	E-Tender	
5	Vernier calliper 150 mm	Fitter	CTS	4 nos.	3	1	0.00450	0.00450	E-Tender	
6	Screw pitch gauge 0.25 to 6 mm	Fitter	CTS	1 no.	0	1	0.00150	0.00150	E-Tender	
7	Wire gauge, metric standard	Fitter	CTS	1 no.	0	1	0.00150	0.00150	E-Tender	
8	Surface plate C.I/Granite with Stand and Cover 600 x 600 mm	Fitter	CTS	1 no.	0	1	0.06000	0.06000	E-Tender	
9	Angle plate 150 X 150 X 250 mm	Fitter	CTS	2 nos	0	2	0.04000	0.08000	E-Tender	
10	Portable hand drill (Electric) 0 to 13 mm Capacity	Fitter	CTS	1 no	0	1	0.00500	0.00500	E-Tender	
11	Drill twist straight shank 3 mm to 12 mm by 0.5 mm H.S.S	Fitter	CTS	2 sets	1	1	0.01200	0.01200	E-Tender	
12	Drill twist Taper shank 8 mm to 20 mm by 0.5 mm H.S.S	Fitter	CTS	2 sets	1	1	0.09000	0.09000	E-Tender	
13	Taps and dies complete set in box Wit-worth	Fitter	CTS	1 no.	0	1	0.03900	0.03900	E-Tender	
14	Taps and dies complete set 5, 6, 8, 10 & 12 mm set of 5	Fitter	CTS	2 sets	1	1	0.03900	0.03900	E-Tender	
15	File feather edge smooth 150 mm	Fitter	CTS	4 Sets	0	4	0.00250	0.01000	E-Tender	
16	File triangular smooth 200 mm	Fitter	CTS	8 nos	0	8	0.00600	0.04800	E-Tender	
17	Feeler gauge Gauge Feeler / Thickness - 0.05mm to 0.3 mm by 0.05 and 0.4mm to 1mm by 0.1 mm – 13leaves	Fitter	CTS	1set	0	1	0.00019	0.00019	E-Tender	
18	File flat second cut safe edge 300 mm	Fitter	CTS	8 nos.	0	8	0.00900	0.07200	E-Tender	
19	File flat bastard 200 mm	Fitter	CTS	10 nos.	5	5	0.00250	0.01250	E-Tender	
20	File flat bastard 300 mm	Fitter	CTS	10 nos	0	10	0.00420	0.04200	E-Tender	
21	File Swiss type needle Set of 12 Length = 150 mm	Fitter	CTS	2 sets	0	2	0.00230	0.00460	E-Tender	
22	File round bastard 250 mm	Fitter	CTS	10 nos.	0	10	0.00400	0.04000	E-Tender	
23	Spanner adjustable 150 mm	Fitter	CTS	2 nos.	0	2	0.00300	0.00600	E-Tender	
24	Interchangeable ratchet socket set 12 mm driver, sized 10-32 mm set of 18 socket & attachments	Fitter	CTS	1 set	0	1	0.01500	0.01500	E-Tender	
25	Double Ended tubular Box spanner set with	Fitter	CTS	1 set	0	1	0.01200	0.01200	E-Tender	
26	Clamp toolmaker 5 cm and 7.5 cm set of 2	Fitter	CTS	2 set	0	2	0.00140	0.00280	E-Tender	
27	Clamp "C" 100 mm	Fitter	CTS	2 nos.	1	1	0.00045	0.00045	E-Tender	
28	Clamp "C" 200 mm	Fitter	CTS	2 nos.	0	2	0.00100	0.00200	E-Tender	
29	Hand Reamer set (Taper pin straight flute) Nominal Dia 6, 8, 10, 12, 16mm	Fitter	CTS	1 set	0	1	0.01700	0.01700	E-Tender	
30	Machine Reamer parallel (Helical flute) 12 - 16mm set of 5	Fitter	CTS	1 nos.	0	1	0.04200	0.04200	E-Tender	
31	Pipe wrench 400mm	Fitter	CTS	1 no.	0	1	0.00900	0.00900	E-Tender	
32	Pipe vice 100mm	Fitter	CTS	1 no	0	1	0.04500	0.04500	E-Tender	
33	Wheel dresser (One for 4 units) Star/Dresser with Holder Length 150 mm, diamond point	Fitter	CTS	1 nos	0	1	0.00800	0.00800	E-Tender	
34	Machine vice - Swivel Base 100mm	Fitter	CTS	1 nos	0	1	0.01400	0.01400	E-Tender	
35	Torque wrench (Standard/Ratchet type) 14 to 68 Nm	Fitter	CTS	1 no	0	1	0.04500	0.04500	E-Tender	
36	Power tools for fastening Capacity 10-18mm	Fitter	CTS	1 no	0	1	0.01500	0.01500	E-Tender	
37	Different Profile gauges (Plate type) For demonstration Metric standard	Fitter	CTS	4 nos	0	4	0.03600	0.14400	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
38	Knurling tool (Diamond, straight & Diagonal)	Fitter	CTS	1 each	0	1	0.00500	0.00500	E-Tender	
39	Indexable boring bar with inserts 1" Shank	Fitter	CTS	4 nos	0	4	0.00500	0.02000	E-Tender	
40	Machine maintenance manual for Lathe, Pedestal grinder, Drill machine, Power saw	Fitter	CTS	1 each	0	1	0.02000	0.02000	E-Tender	
41	Temperature gauge Range 0 - 150°C	Fitter	CTS	1 each	0	1	0.03500	0.03500	E-Tender	
42	Dowel pin (straight) Dia. -1" Length -4" (Mar.Stainless Steel)	Fitter	CTS	1 set	0	1	0.07000	0.07000	E-Tender	
43	Standard Tap screws M3, M4, M5, M6, M8, M10, M12, M14, M16	Fitter	CTS	1 each	0	1	0.00300	0.00300	E-Tender	
44	Lapping plate Dia. -6"	Fitter	CTS	2 each	0	2	0.02500	0.05000	E-Tender	
45	Caps screws M6, M8, M10, M12	Fitter	CTS	2 each	0	2	0.00150	0.00300	E-Tender	
46	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	CTS	1 set	0	1	0.02000	0.02000	E-Tender	
47	Cast Iron Globe Valve (Flanged type) 150NB, Class# 150 Flange ANSI125-B16.1	Fitter	CTS	2 nos.	0	2	0.03200	0.06400	E-Tender	
48	C. I. Sluice / Gate valve (Flanged type) 150NB, Class# 150 Flange ANSI125-B16.1	Fitter	CTS	2 nos.	0	2	0.03200	0.06400	E-Tender	
49	Stop cock 25NB (2-way, Threaded end)	Fitter	CTS	2 nos.	0	2	0.00900	0.01800	E-Tender	
50	M.S. Pipe 150NB, Sch.40, ERW, IS 1239	Fitter	CTS	6 mtr	0	6	0.02500	0.15000	E-Tender	
51	G.I. Pipe 25mm, Sch.40, ERW	Fitter	CTS	24 mtr	0	24	0.00500	0.12000	E-Tender	
52	Slip-on Forged steel Flange 150NB, ANSI-B16.5, Class#150	Fitter	CTS	4 nos	0	4	0.01500	0.06000	E-Tender	
53	Pipe threading die with handle Ratchet type Die head of 1/2", 3/4" and 1"	Fitter	CTS	1 no.	0	1	0.02500	0.02500	E-Tender	
54	Jigs & Fixture (sample)-For demonstration (May be manufactured in-house)	Fitter	CTS	1 set	0	1	0.02500	0.02500	E-Tender	
55	M.S. Shaft (May be manufactured in-house) Bright M.S. round bar dia 80mm, 600mm long, Stepped 300mm 300mm one end	Fitter	CTS	2 nos.	0	2	0.02500	0.05000	E-Tender	
56	Pulleys (for V-belt or Flat belt) to fit on 50mm dia Shaft with key slot	Fitter	CTS	1 no.	0	1	0.02200	0.02200	E-Tender	
57	Damaged old spur gear to fit 50mm dia. Shaft	Fitter	CTS	2 nos.	0	2	0.00400	0.00800	E-Tender	
58	V-belt and Flat belt to fit on pulley	Fitter	CTS	1 each	0	1	0.00450	0.00450	E-Tender	
59	Packing gasket PTFE gasket roll small size	Fitter	CTS	1 no.	0	1	0.00250	0.00250	E-Tender	
60	Washer, clutch, keys, jib, cotter & circlip minimum 25mm size, carbon steel material	Fitter	CTS	2 each	0	2	0.00750	0.01500	E-Tender	
61	Hollow punch Straight Shank, Hollow Punch Sets 5-12mm	Fitter	CTS	1 set	0	1	0.00400	0.00400	E-Tender	
62	Bearing different types each type of diameter 25mm (min.)	Fitter	CTS	2 each	0	2	0.00600	0.01200	E-Tender	
63	Lifting sling 8mm Nominal Dia. Single leg sling	Fitter	CTS	2 nos.	0	2	0.00700	0.01400	E-Tender	
64	Bearing extractor Universal gear puller 2 or 3 jaws adjustable	Fitter	CTS	1 no	0	1	0.00500	0.00500	E-Tender	
65	Trammel 300 mm	Fitter	CTS	1 no	0	1	0.00300	0.00300	E-Tender	
66	Prick punch 100mm	Fitter	CTS	2 nos.	0	2	0.00300	0.00600	E-Tender	
67	Aviation Snips straight Cut 300 mm	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
68	Flat headed hammers with handle	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
69	Planishing hammer	Fitter	CTS	2 nos	0	2	0.00300	0.00600	E-Tender	
70	Snip bent Left Cut 250 mm	Fitter	CTS	2 nos	0	2	0.00350	0.00700	E-Tender	
71	Snip hatchet with Leg 300 X 200 X 20 mm	Fitter	CTS	2 nos	0	2	0.00800	0.01600	E-Tender	
72	Snip grooving 100 X 100 X 300 mm	Fitter	CTS	2 nos	0	2	0.00800	0.01600	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
73	Ship Gauge as Johnson metric set 87 Pieces Set	Fitter	CTS	1 set	0	1	0.04000	0.04000	E-Tender	
74	Gauge snap Go and Not Go 25 to 50 mm by 5 mm Set of 6 pieces	Fitter	CTS	1 set	0	1	0.02000	0.02000	E-Tender	
75	Gauge plug Single ended 5 to 55 by 5 mm Set of 11 pcs	Fitter	CTS	1 set	0	1	0.03200	0.03200	E-Tender	
76	Dial vernier calliper. (Universal type) 7.0 - 300 mm, LC 0.05 mm	Fitter	CTS	1 no	0	1	0.02200	0.02200	E-Tender	
77	Depth micrometer 0-25 mm Accuracy 0.01 mm with standard set of extension rods upto 200 mm	Fitter	CTS	1 no	0	1	0.02600	0.02600	E-Tender	
78	Vernier calliper 0 - 150 mm with least count 0.02mm	Fitter	CTS	1 no	0	1	0.02200	0.02200	E-Tender	
79	Digital Micrometer outside 0 - 25 mm L.C. 0.001 mm	Fitter	CTS	1 no	0	1	0.02500	0.02500	E-Tender	
80	Surface roughness comparison plates N1 - N12 Grade	Fitter	CTS	1 set	0	1	0.03200	0.03200	E-Tender	
81	Digital Vernier calliper 0 - 200 mm L.C. 0.01 mm (Optional)	Fitter	CTS	1 no	0	1	0.02700	0.02700	E-Tender	
82	Vernier Bevel protector Range 360deg L.C. : 5min(150mmblade)	Fitter	CTS	1 no	0	1	0.03200	0.03200	E-Tender	
83	Carbide Wear Block 1 mm - 2 mm	Fitter	CTS	2 each	0	2	0.00700	0.01400	E-Tender	
84	Lathe tools H S S tipped set	Fitter	CTS	2 nos	0	2	0.01300	0.02600	E-Tender	
85	Lathe tools bit 6 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00600	0.02400	E-Tender	
86	Lathe tools bit 8 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00800	0.03200	E-Tender	
87	Lathe tools bit 10 mm x 75 mm HSS/Carbide	Fitter	CTS	4 nos.	0	4	0.00900	0.03600	E-Tender	
88	Stilson wrenches 250 mm	Fitter	CTS	2 nos.	0	2	0.01500	0.03000	E-Tender	
89	Pipe bender machine spool type with standmanually operated up to 25 mm cold bending	Fitter	CTS	1 no.	0	1	0.02700	0.02700	E-Tender	
90	Adjustable pipe chain tonge to take pipes up to 300 mm	Fitter	CTS	1 no.	0	1	0.02400	0.02400	E-Tender	
91	Adjustable spanner 380 mm long	Fitter	CTS	1 no.	0	1	0.00700	0.00700	E-Tender	
92	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	CTS	1 no.	0	1	0.22000	0.22000	E-Tender	
93	Pneumatic Trainer Kit, each consisting of the following matching components and accessories: 1 Single acting cylinder Max. stroke length 50 mm, Bore dia 20mm 1 No II. Double acting cylinder Max. stroke length 100 mm, Bore dia 20 mm, magnetic type 1 No IV. 3/2-way valve manually-actuated, Normally Closed 2 Nos IV. 3/2-way valve pneumatically-actuated, spring return 1 No V. One-3/2-way valve pneumatically-actuated, spring return 1 No V. One-way flow control valve 2 Nos VI 5/2-way valve with manually-operated switch 1 No VII 5/2-way valve pneumatically-actuated, spring return 1 No VIII 5/2-way pneumatic actuated Valve double pilot 1 No IX 3/2-way roller lever direct actuation Normally Closed 2 Nos X. Shuttle valve (OR) 1 No XI. Two-pressure valve (AND) 1 No XII. Pressure gauge 0-16 bar 1 No XIII. Manifold with self-closing NRV, 6-way 1 No XIV. Pushbutton station for electrical signal input with 3 illuminated momentary-contact switches (1 NO + 1 NC) and illuminated maintained-contact switch(1 NO + 1 NC), Contact load 2A1 No XV. Relay station with 3 relays each with 4 contact sets (NNO+1NC or Change-over type), 5 A 1 No XVI 3/2-way single solenoid valve with LED 1 No XVII. 5/2-way single solenoid valve with manual override and LED 1 No XVIII. 5/2-way double solenoid valve with manual override and LED 1 No XIX. Power supply unit, Input voltage 85	Fitter	CTS	1 set	0	1	1.95000	1.95000	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
94	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) Work Table - Size (Approx. JL1200mmXW900mmXH900mm, 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.) 70mmXW495mmXH825mm and (3) Drawer slide height (Approx.) 85mm	Fitter	CTS	1 set	0	1	0.22000	0.22000	E-Tender	
95	Carrier for mounting components Such as PB & relay boxes.	Fitter	CTS	1 No.	0	1	0.02300	0.02300	E-Tender	
96	Cut section model for pneumatic Components ----	Fitter	CTS	1 set	0	1	0.06000	0.06000	E-Tender	
97	Hydraulic Trainer Kit, each consisting of the following matching components and accessories: 1. 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 1 No ON/OFF switch and overload	Fitter	CTS	1 set	0	1	2.20000	2.20000	E-Tender	
98	hydraulic work station with 40 sq mm aluminium frofile 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) L 1200mm X W900mm X H900mm, with 4 castor wheels including two lockable wheels at the front side, (2)Drawer - size(approx)- length 460mmX w 495mm X H 158mm each, and overall size drawer unit (approx) L470mmX W495mm H 825mm and (3) drawer slide Height (Approx) 85mm	Fitter	CTS	1 No.	0	1	0.25000	0.25000	E-Tender	
99	Cut section models for hydraulic Components ----	Fitter	CTS	1 No.	0	1	0.07000	0.07000	E-Tender	
100	Medium carbon heat treated alloy steel metric studs and bolts alongwith nuta (for display of standard length (may be manufactured in house) M6, M8, M10, M12, M14, M16 (Standard)	Fitter	CTS	2 each	0	2	0.00500	0.01000	E-Tender	
101	Hammer, ball peen With handle- 500 grams	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
102	Pincer- 150mm	Electrician	CTS	4	0	4	0.00125	0.00500	E-Tender	
103	C- Clamp- 200 mm and 100 mm	Electrician	CTS	2	0	2	0.00600	0.01200	E-Tender	
104	Spanner Adjustable drop forged, SS- 150 mm & 300mm	Electrician	CTS	2	0	2	0.00750	0.01500	E-Tender	
105	Allen Key alloy steel- 1.5-10 mm (set of 9)	Electrician	CTS	1	0	1	0.00150	0.00150	E-Tender	
106	Grease Gun- 0.5 ltr Capacity	Electrician	CTS	1	0	1	0.00175	0.00175	E-Tender	
107	Bearing Puller (inside and outside)- 200mm	Electrician	CTS	1	0	1	0.00500	0.00500	E-Tender	
108	Pipe vice Cast iron with hardened jaw open type- 100mm	Electrician	CTS	2	1	1	0.01200	0.01200	E-Tender	
109	Seissors blade, SS- 200mm	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
110	Crimping Tool- a) 1.5 sq mm to 16 sq mm	Electrician	CTS	2	0	2	0.00300	0.00600	E-Tender	
111	b) 16 sq mm to 95 sq mm	Electrician	CTS	2	0	2	0.00800	0.01600	E-Tender	
112	Ty Square- 150 mm blade	Electrician	CTS	4	1	3	0.00150	0.00450	E-Tender	
113	Divider- 150 mm spring type	Electrician	CTS	2	0	2	0.00150	0.00300	E-Tender	
114	Pliers long nose insulated- 150mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
115	Pliers flat nose insulated- 200mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	
116	Pliers round nose insulated- 100mm	Electrician	CTS	4	0	4	0.00150	0.00600	E-Tender	
117	Tweezers- 150mm	Electrician	CTS	4	0	4	0.00175	0.00700	E-Tender	
118	Snip Straight and Bent heavy duty- 150mm- 250mm	Electrician	CTS	2	0	2	0.00600	0.01200	E-Tender	
119	D.E. metric Spanner Double Ended- 6-32mm	Electrician	CTS	2	1	1	0.00400	0.00400	E-Tender	
120	Drill S.S. Twist block- 2 mm, 5 mm and 6 mm set of 3	Electrician	CTS	4	0	4	0.00250	0.01000	E-Tender	
121	Plane cutters- 50 mm X 200mm	Electrician	CTS	2	0	2	0.00200	0.00400	E-Tender	
122	Smoothing cutters- 50 mm X 200mm	Electrician	CTS	2	0	2	0.00225	0.00450	E-Tender	
123	Gauge, wire imperial stainless steel marked in SWG & mm- Wire Gauge - Metric	Electrician	CTS	4	1	3	0.00075	0.00225	E-Tender	
124	Hand Vice- 50mm jaw	Electrician	CTS	4	0	4	0.00250	0.01000	E-Tender	
125	Table Vice- 100 mm jaw	Electrician	CTS	8	6	2	0.00600	0.01200	E-Tender	
126	Oil Can- 250ml	Electrician	CTS	2	0	2	0.00150	0.00300	E-Tender	
127	Hydrometer	Electrician	CTS	2	0	2	0.00075	0.00150	E-Tender	
128	Load Bank (Lamp / heater Type)- 6 K.W. 3Ph	Electrician	CTS	1	0	1	0.01500	0.01500	E-Tender	
129	Thermometer Digital- 0° C - 150° C	Electrician	CTS	1	0	1	0.00250	0.00250	E-Tender	
130	Earth Plate- a) 60cm X 60cm X 3 15mm Copper Plate	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
131	b) 60cm X 60cm X 6mm GI Plate	Electrician	CTS	1	0	1	0.02000	0.02000	E-Tender	
132	Earth Electrode- Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	Electrician	CTS	1	0	1	0.04500	0.04500	E-Tender	
133	MCCB- 100Amps, Triple pole	Electrician	CTS	1	0	1	0.01500	0.01500	E-Tender	
134	ELCB and RCCB- 25Amps, double pole and 25Amps, double pole, 1An 30 mA	Electrician	CTS	1	0	1	0.00050	0.00050	E-Tender	
135	Fuse- HRC Glass Rewire Type	Electrician	CTS	4	0	4	0.00050	0.00200	E-Tender	
136	Rheostat (Sliding type)- 0 - 25 Ohm, 2 Amp 0 - 300 Ohm, 2 Amp 0 - 1 Ohm, 10Amp 0 - 10 Ohm, 5 Amp	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
137	Capacitors- Electrolytic Ceramic Polyester film Variable Dual run	Electrician	CTS	2	0	2	0.00200	0.00400	E-Tender	
138	Various Electronic components- Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRIAC, IGBT, Small transformer etc.	Electrician	CTS	1	0	1	0.00250	0.00250	E-Tender	
139	Various Lamps- Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED	Electrician	CTS	1	0	1	0.01200	0.01200	E-Tender	
140	Cables' Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable- 1 mtr each	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
141	Bus bar with brackets- 1 mtr each	Electrician	CTS	3	0	3	0.00250	0.00750	E-Tender	
142	Rubber mat- 2' x 4' x 1"	Electrician	CTS	2	0	2	0.01100	0.02200	E-Tender	
143	Electrician Helmet- Yellow Colour	Electrician	CTS	2	0	2	0.00500	0.01000	E-Tender	
144	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials- 6Mtr	Electrician	CTS	1	0	1	0.02500	0.02500	E-Tender	
145	Safety Belt- Standard quality	Electrician	CTS	2	0	2	0.00450	0.00900	E-Tender	
146	Digital Multi Meter- DC 200mv -1000v, 0 - 10A & AC 200mv- 750v, 0-10A, resistance 0-20 MΩ and 3 1/2 digit	Electrician	CTS	10	4	6	0.00750	0.04500	E-Tender	
147	A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case- Multi range 75 V - 150V - 300V - 600V	Electrician	CTS	3	0	3	0.00750	0.02250	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
148	Milth Voltmeter centre zero analog, portable box type housed in Bakelite case- 100 - 0 - 100 mV	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	
149	Ammeter MC analog, portable box type housed in Bakelite case- 0 - 500 mA, 0-5 A, 0-25 A	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
150	AC Ammeter MI, analog, portable box type housed in Bakelite case- 0 - 1 A, 0-5 A, 0-25 A	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
151	Kiloh Wattmeter Analog- 0-1.5-3KW, pressure coil rating-240V-440V, current rating-5A/10A Analogue, portable type Housed in Bakelite case	Electrician	CTS	2	0	2	0.03200	0.06400	E-Tender	
152	Digital Wattmeter- 230 V, 1 KW, 50 Hz	Electrician	CTS	2	0	2	0.03200	0.06400	E-Tender	
153	A.C. Energy Meter- Single Phase, 10 A, 240 V induction type	Electrician	CTS	2	0	2	0.03500	0.07000	E-Tender	
154	A.C. Energy Meter- Three Phase, 15 A, 440 V induction type	Electrician	CTS	2	0	2	0.04500	0.09000	E-Tender	
155	Power Factor Meter Digital- 440 V, 20 A, Three Phase portable box type	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	
156	Frequency Meter- 45 to 55 Hz	Electrician	CTS	2	1	1	0.00500	0.00500	E-Tender	
157	Magnetic Flux Meter- 45 to 55 Hz	Electrician	CTS	2	0	2	0.01200	0.02400	E-Tender	
158	Lux meter- 0-500 tesla lux meter LCD read out 0.05 to 7000 lumens with battery.	Electrician	CTS	2	1	1	0.00500	0.00500	E-Tender	
159	Tachometer- Analog Type - 10000 RPM	Electrician	CTS	1	0	1	0.00700	0.00700	E-Tender	
160	Tachometer- Digital Photo Sensor Type - 10000 RPM	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
161	Wheat Stone Bridge with galvanometer and battery	Electrician	CTS	2	1	1	0.02500	0.02500	E-Tender	
162	Single Phase Variable Auto Transformer- 0 - 270 V, 10Amp (Air cooled)	Electrician	CTS	2	0	2	0.03500	0.07000	E-Tender	
163	Phase Sequence Indicator- 3 Phase, 415 V	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	
164	Soldering Iron- 25-Watt, 65 Watt and 120-Watt, 230 Volt	Electrician	CTS	2	0	2	0.00250	0.00500	E-Tender	
165	Temperature controlled Soldering Iron- 50-Watt, 230 Volt	Electrician	CTS	2	0	2	0.02000	0.04000	E-Tender	
166	Domestic Appliances- d Immersion Heater- 1500 Watt, 240V	Electrician	CTS	1	0	1	0.00350	0.00350	E-Tender	
167	e A.C. Ceiling Fan and AC Table Fan- 68-Watt, 230 V	Electrician	CTS	1	0	1	0.02500	0.02500	E-Tender	
168	g. Mixture & Grinder- 750 W, 240 V	Electrician	CTS	1	0	1	0.03500	0.03500	E-Tender	
169	Voltage Stabilizer- AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	Electrician	CTS	1	0	1	0.06000	0.06000	E-Tender	
170	Battery Charger- 0 - 6 - 9 - 12 - 24 - 48 V, 30amp	Electrician	CTS	1	0	1	0.05000	0.05000	E-Tender	
171	Solar panel with Battery- 18 Watt	Electrician	CTS	1	0	1	0.10200	0.10200	E-Tender	
172	Ink jet laser printer	Electrician	CTS	1	0	1	0.01200	0.01200	E-Tender	
173	Motor-Generator (AC to DC)- Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling Induction Motor rating 7.5 HP, 415V, 50 cycles, 3 phases, DC Shunt Generator rating: 5 KW, 440V (Output voltage varies 110-440v)	Electrician	CTS	1	0	1	0.45000	0.45000	E-Tender	

No.	Name of Item	Trade/Course	Trade Type-CTS/Short Term	Quantity Required as per Syllabus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
174	D.C. Compound Generator with control panel including fitted rheostat, voltmeter and breaker- D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter	Electrician	CTS	1	0	1	0.40000	0.40000	E-Tender	
175	DC Series Motor coupled with spring balance load- 2.5 KW, 220 Volts	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
176	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load- 5 HP, 3-Phase, 415 V, 50 Hz	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
177	Synchronous motor with accessories like starter, excitation arrangements- 3 Phase, 3 HP, 440V, 50Hz, 4 Pole	Electrician	CTS	1	0	1	0.05500	0.05500	E-Tender	
178	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement- 1HP	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
179	Thyristor /IGBT controlled A.C. motor drive with- VVVF control 3 Phase, 2 HP	Electrician	CTS	1	0	1	0.08000	0.08000	E-Tender	
180	Motorised Bench Grinder- 1 HP, 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	Electrician	CTS	1	0	1	0.07500	0.07500	E-Tender	
181	Manual Motor coil Winding Machine- With step arbor	Electrician	CTS	1	0	1	0.04200	0.04200	E-Tender	
182	Ceiling fan coil Winding Machine- 250V, 50 Hz, 1- ϕ , with speed control	Electrician	CTS	1	0	1	0.07000	0.07000	E-Tender	
183	Primary current injection set- 220V, 50 Hz, 1- ϕ , output current - 200 A (min) with timer	Electrician	CTS	1	0	1	0.15000	0.15000	E-Tender	
184	Stepper Motor with Digital Controller	Electrician	CTS	1	0	1	0.04000	0.04000	E-Tender	

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