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.	and Electricia	1 Ex.+1 New	n of Fitter (Upgradatio	ackage Name :
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	22		21	20	19	18	17	16	15	14	13	12	11	10	9	œ	7	6	s	4	ω	2	-	SI No.
	English Unit- 300 mm with precision of 1/4th mm	Steel Rule Graduated both in Metric and	Neon Tester- 500 V	Punch Centre- 9mm X 150 mm	Electrician Screw driver thin stem insulated handle- 4mm X 250 mm	Electrician screw driver thin stem insulated handle- 4mm X 100 mm	Screw driver Insulated- 6mm X 150 mm	Screw driver Insulated- 4mm X 150 mm, Diamond Head	Combination Plier Insulated 200 mm- 200 mm	Measuring Steel Tape- 5 meter	Dot punch 100 mm	File half round second cut 150 mm.	File flat smooth 250 mm	File flat Second cut 250 mm	Hammer ball peen With handle 220 grams (1/2 lb)	Hammer ball peen With handle 450 grams (1 lb)	Chisel cold flat 20 mm X 150 mm High carboonsteel	Centre Punch 10 mm and Length - 120 mm	Divider spring type 150 mm	Caliper outside spring type 150 mm	Caliper hermaphrodite spring type 150 mm	Caliper inside spring type, 150 mm	Try Square, 150 mm blade	Name of Item
	Electrician		Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Trade/Course
	CIS	CT.	CIS	CTS	CTS	CLS	CTS	CIS	CIS	CTS	CIS	CTS	CIS	CTS	CIS	CLS	CIS	CIS	CTS	CTS	CTS	CTS	CTS	Trade Type- CTS/Short Term
	42	3	42	42	42	42	42	42	42	42	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	42 nos.	Quantity Required as per Syllebus
	c	•	0	0	0	0	0	0	5	0	21	22	10	21	10	S	17	0	6	33	22	30	21	Quantity Available
	42	;	42	42	42	42	42	42	37	42	21	20	32	21	32	39	25	42	38	9	20	12	21	Actual Quantity Required
	0.00065		0.00037	0.00250	0.00150	0.00112	0.00272	0.00100	0.00150	0.00100	0.00044	0.00750	0.00700	0.00680	0.00180	0.00350	0.00130	0.00115	0.00066	0.00066	0.00066	0.00066	0.00110	Estimated Cost per Unit (Rs. In lakh)
1.38780	0.02730		0.01554	0.10500	0.06300	0.04704	0.11424	0.04200	0.05550	0.04200	0.00924	0.15000	0.22400	0.14289	0.05760	0.13650	0.03250	0.04830	0.02508	0.00594	0.01320	0.00792	0.02310	Total Estimated Cost (Rs. In lakh)
	E-tender		E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	E-tender	Method of Procurement
	No.		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	Remarks

Chathau IMC of I'll Raiganj Karnajora Uttar Dinajpur

Secretary
IMC of ITI Raiganj
Karnajora
Uttar Dinajpur

SI No. 29 24 30 23 22 22 8 17 T 0 Hand Reamer set (Tapar pin straight flute) Nominal Dia 6, 8, 10, 12, 16mm Different Profile gauges (Plate type) For demonstration Metric 50 mm, diamond point Machine Reamer parallel (Helical flute) 12 - 16mm set of 5 Double Ended tubular Box spanner set with Clamp toolmaker 5 cm and 7.5 cm set of 2 Clamp "C" 100 mm Screw pitch gauge 0.25 to 6 mm Micrometer inside with extension rods. Machine vice - Swivel Base 100mm Wheel dresser (One for 4 units) Star/Dresserwith Holder Length set of 18 socket & attachments Surface plate C.l/Granite with Stand andCover 600 x 600 mm eeler gauge Gauge Feeler / Thickness - 0.05mm to 0.3 mm by Vernier calliper 150 mm extension rods upto 150 mm Stud Extractor EZY - out Set of 8 orque wrench (Standard/Ratchet type) 14 to 68 Nm ile flat second cut safe edge 300 mm pe wrench 400mm 05 and 0.4mm to 1mm by 0.1 mm inner adjustable 150 mm le plate 150 X 150 X 250 mm round bastard 250 mm twist Taper shank 8 mm to 20 mm by 0.5 mm H.S.S able hand drill (Electric) 0 to 13 mm Capacity and dies complete set 5, 6, 8, 10 & 12 mm set of 5 twist straight shank 3 mm to 12 mm by 0.5 mm H.S.S and dies complete set in box Wit-worth hangeable ratchet socket set 12 mm driver, sized 10-32 mm meter outside 50 - 75 mm type needle Set of 12 Length Name of Item Package Name: Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Trades. - 13leaves Accuracy 0.01 mm with 150 mm Procurement Plan for Machinery under STRIVE_ITI Raiganj Frade/Course Fitter For the Financial Year: 2020-21 CTS/Short Term Trade Type-CTS CTS CIS CTS CTS CTS Quantity Required as per Syllebus 2 nos. 10 nos. 2 nos. 10 nos. 10 nos 2 sets 1 no. 2 sets 1 no 2 sets. 2 sets 2 sets 2 set 2 nos 4 Sets 1 no. 4 nos I no. 1 set l no I nos. 4 nos 1 set Iset 1 nos 1 no each Inos I no. Available 0 0 0 **Actual Quantity** Required Estimated Cost per Rs. In lakh) 0.00500 0.06000 0.01500 0.00420 0.0090 0.00019 0.0390 0.09000 0.01200 0.05000 0.0030 0.0390 0.04500 0.00900 0.00100 0.00045 0.0120 0.00450 0.04500 0.0400 0.01400 0.00800 0.04200 0.01700 0.00140 0.0040 0.03600 0.01500 Total Estimated (Rs. In lakh) Cost 0.00150 0.01000 0.00019 0.06000 0.00450 0.01400 0.0090 0.0020 0.00045 0.0028 0.0120 0.01500 0.0060 0.04200 0.01250 0.0480 0.0100 0.0390 0.08000 0.05000 0.01000 0.1440 0.00800 0.0400 0.0720 0.0900 0.00150 0.0450 0.04200 0.01700 0.0150 Procurement Method of E-Tender E-Tender

No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	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 mannual 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) Dia1" Length -4" (Mat:Stainless Steel)	Fitter	CTS	1 set	<u>0</u>	1	0.07000	0.07000	E-Tender	
43	Standard Tap screws M3, M4, M5, M6, M8, M10, M12,M14, M16	Fitter	CTS	1 each	<u>0</u>	1	0.00300	0.00300	E-Tender	THE REAL PROPERTY.
44	Lapp ing plateDia -6"	Fitter	CTS	2 each	0	2	0.02500	0.05000	E-Tender	14/19
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	<u>0</u>	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.	<u>0</u>	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	<u>0</u>	4	0.01500	0.06000	E-Tender	
53	Pipe threading die with handleRatchet type Die head of 1/2",3/4" and 1"	Fitter	CTS	1 no.	<u>0</u>	1	0.02500	0.02500	E-Tender	1-13-14
54	Jigs & Fixture (sample)-For demonstration (May be manufactured in-house)	Fitter	CTS	1 set	<u>0</u>	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 DD0mmon 300mm one end	Fitter	CTS	2 nos.	<u>0</u>	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	146
57	Damaged old spur gear to fit 50mm dia. Shaft	Fitter	CTS	2 nos.	0	2	0.00400	0.00800	E-Tender	
58	V-be It and Flat belt to fit on pulley	Fitter	CTS	1 each	0	1	0.00450			
59	Pack ing gasket PTFE gasket roll small size	Fitter	CTS	l no.	0	1	0.00250			1
60	Washer, clutch, keys, jib, cotter &circlip minimum 25mm size, carbon steelmaterial	Fitter	CTS	2 each	0	2	0.00750		1 1 1 1 1 1 1 1 1	W.
61	Hollow punch Straight Shank Hollow Punch Sets 5-12mm	Fitter	CTS	1 set	0	1	0.00400	0.0040	E-Tender	1
62	Bearing different types each type of diameter 25mm(min.)	Fitter	CTS	2 each	0	2	0.0060			
63	Lifting sling 8mm Nominal Dia. Single leg sling	Fitter	CTS	2 nos.	0	2	0.0070			
64	Bearing extractor Universal gear puller 2 or 3 jaws adjustable	Fitter	CTS	1 no	0	1	0.0050			
65	Trammel 300 mm	Fitter	CTS	1 no	0	1	0.0030	0.0030	0 E-Tender	
66	Prick punch 100mm	Fitter	CTS	2 nos.	0	2	0.0030			
67	Aviation Snips straight Cut 300 mm	Fitter	CTS	2 nos	0	2	0.0030			The state of the s
68	Flat headed hammers with handle	Fitter	CTS	2 nos	0	2	0.0030		Company of the Compan	
69	Planishing hammer	Fitter	CTS	2 nos	0	2	0.0030			
70	Snip bent Left Cut 250 mm	Fitter	CTS	2 nos	0	2	0.0035			
71	Stake hatchet with Leg 300 X 200 X 20 mm	Fitter	CTS	2 nos	0	2	0.0080			
72	Stake grooving 100 X 100 X 300 mm	Fitter	CTS	2 nos	0	2	0.0080			
73	Slip Gauge as Johnson metric set 87 Pieces Set	Fitter	CTS	1 set	0	1	0.0400			1
74	Gauge snap Go and Not Go 25 to 50 mm by 5 mm Set of 6 pieces	Fitter	CTS	1 set	0	1	0.0200			T ROL

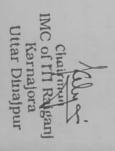
No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
75	Gauge plug Single ended 5 to 55 by 5 mm Setof 11 pcs	Fitter	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	<u>0</u>	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	the state of
81	Digital Vernier calliper 0 - 200 mm L.C. 0.01 mm (Optional)	Fitter	CTS	l 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. Oneway 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+1NC or Change-over type), 5 A 1 No XVI. 3/2-way single solenoid valve with LED 1 No XVIII. 5/2-way single 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	0 1.95000	E-Tender	

115	114	113	1112	111	110	109	108	107	106	105	104	103	102	101	100	99	2	47	8	3.	£	3
Pliers flat nose insulated-200mm	Phers long nose insulated- 150mm	Divider- 150 mm spring type		b) 16 sq mm to 95 sq mm	Camping Tool: a) 1.5 sq mm to 16 sq mm	Scissors blade, SS-200mm	Pipe vice Cast fron with hardened jaw open type- 100mm	Bearing Puller (inside and outside)- 200mm	Grease Gun- 0.5 ltr. Capacity	Allen Key alloy stee- 1.5-10 mm (set of 9)	Spanner Adjustable drop forged, SS- 150 mm & 300mm	00 mm	Pincer- 150mm	Hammer, ball peen With handle- 500 grams	Medium carbon heat treated alloy steel metric studs and bolts allongwith nuts (for display of standared length (may be menufactured in house) M6, M8, M10, M12, M14, M16 (Standared)	Cut section models for hydrulic Components	hydraulic work station with 40 sq mm aluminium frofile legs, wooden work surface, and one padestal drawer unit having 5 drawers, each with handles and individual locks, on metalic full pannel drawer slide, (1) work table- size(approx) L 1200mm X W900mm X H990mm, with 4 castor wheels including two lockable wheels at the front side, (2-Dreawer - 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	Hydraulic Trainer Kit, each consisting of the following matching components and accessories: 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 I No ON/OFF switch and overload	Cut section model for pneumatic Components	Carrier for mounting components Such as PB & relay boxes.	Pheumatic 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.)L.1200mmXW900mmXH900mm, 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	Name of Item
Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician		Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Trade/Course
CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CIS	CIS	CTS	CTS	CTS		CTS	CTS	CTS	CTS	CTS	CTS	Trade Type- CTS/Short Term
4	4	12	4	2	2	4	2	-			2	2	. 4	4	2 each	1 No.	1 No.	1 set	1 set	1 No.	1 set	Quantity Required as per Syllebus
0	0	0		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Quantity Available
4	4	2	3	2	12	4	-	-	-	-	12	12	4	4	2	1			-	1	-	Actual Quantity Required
0.00175	0.00175	0.00150	0.00150	0.00800	0.00300	0.00150	0.01200	0.00500	0.00175	0.00150	0.00750	0.00600	0.00125	0.00150	0.00500	0.07000	0.25000	2.20000	0.06000	0.02300	0.22000	Estimated Cost per Unit (Rs. In lakh)
5 0.00700	0.00700	0.00300		0.01600	0.00600	0.00600	0.01200	0.00500	5 0.00175				0.00500	0,00600	0.01000	0.07000	0.25000	2.20000	0.06000	0.02300	0.22000	Total Estimated Cost (Rs. In lakh)
00 E-Tender	00 E-Tender	00 E-Tender		00 E-Tender	00 E-Tender	00 E-Tender	Ī	10 E-Tender	Ī	0 E-Tender				0 E-Tender	DO E-Tender	00 E-Tender	0 E-Tender	0. E-Tender	0 E-Tender		D E-Tender	Method of Procurement
		2.11	The state of the s																			Remarks

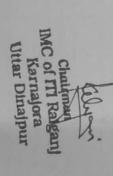
No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs, In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
116	Pliers round nose insulated- 100mm	Electrician	CTS	4	0	4	0.00150	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 stainlees 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	Electrician	CTS	1	0	1	0.00050	0.00050	E-Tender	
135	pole, IΔn 30 mA	Electrician	CTS	4	0	4	0.00050	0.00200	E-Tender	
136	Fuse- HRC Glass Rewire Type Rheostat (Sliding type)- 0 - 25 Ohm, 2 Amp 0 - 300 Ohm,	Electrician	CTS	1	0	1	0.00750	0.00750	E-Tender	
137	2 Amp 0 -1 Ohm, 10Amp 0 -10 Ohm, 5 Amp 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, TRAIC, 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	стѕ	**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	
145	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		
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	Polo

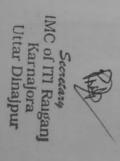
No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remarks
149	Ammeter MC analog, portable box type housed in Bakelite case- 0 - 500 mA, 0-5 A, 0-25 A	Electrician	CTS	2	0	2	0.01500	0.03000	E-Tender	Lity -
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 rating240v/440v, current rating-5A/10A Analoge, 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		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	I	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		E-Tender	Real Property
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	0.00000	E-Tender	
172	Ink jet/ laser printer	Electrician	CTS	1	0	1	0.01200	0.10200	E-Tender	1
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			
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	8do

No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Cost (Rs. In lakh)	Method of Procurement	Remarks
175	DC Series Motor coupled with spring balance load-2.5 KW, 220 Volts	Electrician	CTS	-	0	-	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	-	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	-	0.07500	0.07500	E-Tender	
181	Manual Motor coil Winding Machine-With step arbor	Electrician	CTS	1	0	-	0,04200	0.04200	E-Tender	
182	Ceiling fan coil Winding Machine- 250V, 50 Hz, 1-Ф, with speed control	Electrician	CTS	1	0	-	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	-	0	1	0.15000	0.15000	E-Tender	
184	Stepper Motor with Digital Controller	Electrician	CTS	1	0		0.04000	0.04000	E-Tender	



		1 70700		100	The second second second					100
No.	E-tender	0.02730	0.00065	42	0	42	CTS	Electrician	English Unit- 300 mm with precision of	22 En
									Steel Rule Graduated both in Metric and	
No.	E-tender	0.01554	0.00037	42	0	42	CTS	Electrician	Neon Tester- 500 V	
No.	E-tender	0.10500	0.00250	42	0	42	CIS	Electrician	Punch Centre- 9mm X 150 mm	
No.	E-tender	0.06300	0.00150	42	0	42	CTS	Electrician	Electrician Screw driver thin stem insulated handle- 4mm X 250 mm	19 Ele
No.	E-tender	0.04704	0.00112	42	0	42	CLS	Electrician	Electrician screw driver thin stem insulated handle- 4mm X 100 mm	18 El
No.	E-tender	0.11424	0.00272	42	0	42	CTS	Electrician	Screw driver Insulated- 6mm X 150 mm	17 Sc
No.	E-tender	0.04200	0.00100	42	0	42	CTS	Electrician	Screw driver Insulated- 4mm X 150 mm, Diamond Head	16 Di
No.	E-tender	0.05550	0.00150	37	5	42	CIS	Electrician	Combination Plier Insulated 200 mm- 200 mm	15 00
No.	E-tender	0.04200	0.00100	42	0	42	CTS	Electrician	Measuring Steel Tape- 5 meter	14 M
No.	E-tender	0.00924	0.00044	21	21	42 nos.	CTS	Fitter	Dot punch 100 mm	
No.	E-tender	0.15000	0.00750	20	22	42 nos.	CTS	Fitter	File half round second cut 150 mm.	12 H
No.	E-tender	0.22400	0.00700	32	10	42 nos.	CTS	Fitter	File flat smooth 250 mm	
No.	E-tender	0.14280	0.00680	21	21	42 nos.	CTS	Fitter	File flat Second cut 250 mm	
No.	E-tender	0.05760	0.00180	32	10	42 nos.	CIS	Fitter	Hammer hall peen With handle 220 grams (1/2 lb)	9 Hai
No.	E-tender	0.13650	0.00350	39	نی	42 nos.	CTS	Fitter	Hammer ball peen With handle 450 grams (1 lb)	8 Hai
No.	E-tender	0.03250	0.00130	25	17	42 nos.	CTS	Fitter	Chisel cold flat 20 mm X 150 mm High carboonsteel	7 (7)
No.	E-tender	0.04830	0.00115	42	0	42 nos.	CIS	Fitter	Centre Punch 10 mm and Length - 120 mm	6 0
No.	E-tender	0.02508	0.00066	38	6	42 nos.	CTS	Fitter	Divider spring type 150 mm	5 D
No.	E-tender	0.00594	0.00066	9	33	42 nos.	CTS	Fitter	Caliper outside spring type 150 mm	
No.	E-tender	0.01320	0.00066	20	22	42 nos.	CTS	Fitter	Caliper hermaphrodite spring type 150 mm	
No.	E-tender	0.00792	0.00066	12	30	42 nos.	CTS	Fitter	Caliper inside spring type. 150 mm	2 0
No.	E-tender	0.02310	0.00110	21	21	42 nos.	CIS	Fitter	Try Square. 150 mm blade	
Remarks	Method of Procurement	Total Estimated Cost (Rs. In lakh)	Estimated Cost per Unit (Rs. In lakh)	Actual Quantity Required	Quantity Available	Quantity Required as per Syllebus	Trade Type- CTS/Short Term	Trade/Course	Name of Item	SI No. Na
			rades.	x.+1 New) T	ectrician (1 E	v) and El	Ex.+1 New	Fitter (1	Package Name: Upgradation of Fitter (1 Ex.+1 New) and Electrician (1 Ex.+1 New) Tra	Packago
100000000000000000000000000000000000000)20-21	cial Year: 20	For the Financial Year: 2020-21					1000
		ganj	Procurement Plan for Tools under STRIVE_ITI Raiganj	ools under S	nt Plan for To	cureme	Pro			
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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.

SI No.	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit (Rs. In lakh)	Total Estimated Cost (Rs. In lakh)	Method of Procurement	Remark
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 andCover 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	lset	0	1	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, sized10-32 mm set of 18 socket &attachments	Fitter	CTS	1 set	0	1	0.01500			
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		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 (Tapar pin straight flute) Nominal Dia 6, 8, 10, 12, 16mm	Fitter	CTS	1 set	0	i	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		Fitter	CTS	ł no.	0	1	0.00900	0.00900	E-Tender	
_	Pipe wrench 400mm	Fitter	CTS	1 no	0	1	0.04500	0.04500	E-Tender	
32	Pipe vice 100mm Wheel dresser (One for 4 units) Star/Dresserwith Holder Length	Fitter	CTS	lnos	0	1	0.00800			THE STATE OF THE S
34	150 mm, diamond point	Fitter	CTS	1 nos	0	1	0.01400	0.01400	E-Tender	
	Machine vice - Swivel Base 100mm	Fitter	CTS	1 no	0	1	0.04500			-
35	Torque wrench (Standard/Ratchet type) 14 to 68 Nm	Fitter	CTS	1 no	0	1	0.01500		E-Tender	
36	Power tools for fastening Capacity 10-18mm Different Profile gauges (Plate type) For demonstration Metric standard	Fitter	CTS	4 nos	<u>0</u>	4	0.01500		E-Tender E-Tender	

						66 Pric		64 Bea	-	62 Bea		60 war	59 Pac			56 Pull	55 M	54 Jigs	53 Pipe th	52 Slip	51 G.I.	50 M.S		48 CI.	47 Cast	46 Dnill		44 Lapi	43 Stand M16	42 Dow	41 Tem			38 Knui	
Stake grooving 100 X 100 X 300 mm	Stake hatchet with Leg 300 X 200 X 20 mm	Snip bent Left Cut 250 mm	Planishing hammer	Flat headed hammers with handle	Aviation Snips straight Cut 300 mm	Prick punch 100mm	Trammel 300 mm	Bearing extractor Universal gear puller 2 or 3 jaws adjustable	ffing sling 8mm Nominal Dia. Single leg sling	Bearing different types each type of diameter 25mm(min.)	Hollow punch Straight Shank Hollow Punch Sets 5-12mm	carbon steelmaterial	Pack ing gasket PTFE gasket roll small size	V-be it and Flat belt to fit on pulley	Damaged old spur gear to fit 50mm dia Shaft	Pulleys (for V-belt or Flat belt)to fit on 50mm dia Shaft with key slot	M. S. Shaft (May be manufactured in-house) Bright M.S. round bar dia 80mm, 600mm long. Stepped 0mmon 300mm one end	Jigs & Fixture (sample)-For demonstration (May be manufactured in-house)	Pipe threading die with handle Ratchet type Die head of 1/2",3/4" and 1" $^{\circ}$	Slip- on Forged steel Flange 150NB, ANSI-B16.5, Class#150	Pipe 25mm, Sch.40, ERW	S. Pipe 150NB, Sch 40, ERW, IS:1239	Stop cock 25NB (2-way, Threaded end)	C.1. Sluice / Gate valve (flanged type) 150NB, Class# 150 Flange: ANSI125-B16.1	Cast Iron Globe Valve (Flanged type) 150NB, Class# 150 Flange:ANSI125-B16.1	Drill gauges Letter drill gauge (A to Z), Number drill gauge (1 to 60), Metric drill gauge (1.5mm to 12.5mm, 30 holes)	aps screws M6, M8, M10, M12	app ing plateDia6"	Standard Tap screws M3, M4, M5, M6, M8, M10, M12,M14, M16	Dowel pin (straight) Dia1" Length -4" (Mat. Stainless Steel)	Temperature gauge Range 0 - 150°C	Machine maintenance mannual for Lathe, Pedestal grinder, Drill machine, Power saw	Indexable boring bar with inserts 1" shank	Knurling tool (Diamond, straight &Diagonal)	
Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Filter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Fitter	Trauc/Course
CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CIO	CIS	CTS	CIS	Cic	CTS	CIS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS/Short Term
2 nos	2 nos	2 nos	2 nos	2 nos	2 nos	2 nos.	l no	l no	2 nos.	2 each	o anch	2 each		1 no	2 nos.	l no.	2 nos.	1 set	I no.	4 nos	24 mtr	6 mtr	2 nos.	2 nos.	2 nos.	1 set	2 each	2 each	1 each	1 set	I each	1 each	4 nos	l each	as per Syllebus
0	0	0	0	0	0	0	0	0	IC		0 10	10	> 10	0	0 10	10	10	0	0	0	10	10	0	10	0	0	0	0	0	0	10	0	0	0	Available
2	2	22	2	2	12	2	-	-	to	0 10		. 10	,		1	2 -	12	-	1	4	24	6	2	2	2	-	2	2	-	1	-	-	4	-	Required
0.00800	0.00800	0.00350	0.00300	0.00300	0.00300	0.00300	0.00300	0.00500	0,00,00	00000	0.00400	0.00750	0.000	0.00250	0.00400	0.02200	0.02500	0.02500	0.02500	0.01500	0.00500	0.02500	0.00900	0.03200	0,03200	0.02000	0.00150	0.02500	0.00300	0.07000	0.03500	0.02000	0,00500	0.00500	(Rs. In lakh)
0.01600	0.01600	0.00700						0.00500	0.01400						0.00800		0.05000	0.02500	0.02500	0.06000	0.12000				0.06400	0,02000	0,00500.0			0.07000	0.03500	0.02000	0.02000	0.00500	(Rs. In lakh)
500 E-Tender		700 E-Tender			00 E-Tender			00 E-Tender	UU E-Tender						50 E-Tender		00 E-Tender	0 E-Tender	0 E-Tender	0 E-Tender	0 E-Tender				E-Tender	E-Tender	E-Tender			E-Tender	E-Tender		E-Tender		Procurement
						11	200	7																											

	E-Tender E-Tender E-Tender E-Tender E-Tender	(4hkl nl .kN) 00040.0 00020.0 00020.0 00220.0 0020.0 0020.0 0020.0	0.04000 0.04000 0.02000 0.03200 0.02200 0.02200 0.02200 0.02200	I I I I I	0 0 0 0 0 0 0	198 I 198 I 198 I 00 I 00 I 00 I	CTS	Fitter	Slip Gauge as Johnson metric set 87 Prieces Set Gauge snap Go and Mot Go 25 to 50 mm by 5 mm Set of 6 prieces Gauge snap Go and Mot Go 25 to 50 mm by 5 mm Set of 6 prieces Dial verniercaliper. (Universal type) 7. 0 - 300 mm, LC 0.05 mm Depth micrometer 0-25 mm Accuracy 0.01 mm with standardset of extension rods upto 200 mm Vernier calliper 0 - 150 mm with least count 0.02mm Vernier calliper 0 - 150 mm with least count 0.02mm Digital Micrometer outside 0 - 25 mm L.C. 0.001 mm	ŞL
	E-Tender E-Tender	002£0.0 002£0.0 006£0.0 006£0.0	0.03200	I	0 0 0 0	on I	CTS CTS CTS CTS	Fitter Fitter Fitter Fitter	Gauge plug Single ended 5 to 55 by 5 mm Setof 11 pes Depth micrometer 0-25 mm Accuracy 0.01 mm with standardset of extension tods upto 200 mm Verniet calliper 0 - 150 mm with least count 0.02mm	8L LL 9L SL
	E-Tender	00220.0	00220.0	I	<u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	on I	CTS CTS	Fitter Fitter Torriq	Dial verniercaliper. (Universal type) 7. 0 - 300 mm, LC 0.05 mm Depth micrometer 0-25 mm Accuracy 0.01 mm with standardset of extension rods upto 200 mm Vernier calliper 0 - 150 mm with least count 0.02 mm	8L LL 9L
	E-Tender	000220.0	0.02200	I	<u>0</u> <u>0</u>	on I	CTS	Fitter Fitter	Depth micrometer 0-25 mm Accuracy 0.01 mm with standardset of extension tods upto 200 mm Verniet calliper 0 - 150 mm with least count 0.02mm	24
		0.02200	0,02200	1	ō	ou I	CLS	T5JJi-T	of extension rods upto 200 mm Vernier calliper 0 - 150 mm with least count 0.02mm	84
	E-Tender									
		0.02500	0.02500	I	0	ou I	CLS	Fitter	Digital Micrometer outside 0 - 25 mm L.C. 0 001 mm	64
	E-Tender									
	E-Tender	0.03200	0.03200	1	ō	198 [CLS	Fitter	Surface roughness comparison plates M1 - M12 Grade	08
1771	E-Tender	00/20.0	00720.0	1	0	ou [CLS	Тэлі: Т	Digital Vernier calliper 0 - 200 mm L.C. 0.01 mm (Optional)	18
	E-Tender	0,03200	0.03200	1	0	ou [CTS	Fitter	Vernier Bevel protector Range 360deg LC.: 5min(150mmblade)	28
	E-Tender	00100	00700.0	7	0	7 еасh	CLS	Fitter	Carbide Wear Block I mm - 2 mm	58
	E-Tender	00970'0	0.01300	7	0	Son 2	CLS	Titter	Lathe tools H.S.S. tipped set	†8
	E-Tender	0.02400	00900'0	t	0	son 4	CTS	Fitter	Lathe tools bit 6 mm x 75 mm HSS/Carbide	98
	E-Tender	0.03200	00800.0	t t	0	sou t	CLS	Fitter	Lathe tools bit 8 mm x 75 mm HSS/Carbide	28 98
-	E-Tender E-Tender	000£0.0	00600.0	7	0	son 4	CTS	Fitter	Lathe tools bit 10 mm x 75 mm HSS/Carbide Stillson wrenches 250 mm	88
	E-Tender	0.0220.0	0.02700	7	0	son 2	CTS	Fitter repti4	Pipe bender machine spool type with standmanually operated up	68
									to 25 mm cold bending	00
	E-Tender	0.02400	0.02400	I	0	on I	STO	Fitter	Adjustable pripe chain tonge to take pipes up to 300 mm	06
	E-Tender E-Tender	0002000	00022.0	I	0	on I	CTS	Fitter	Adjustable spanner 380 mm long Compressor unit suitable for Pressure; 8 bar Delivery; 50 lpm (or more), Reservoir capacity; 24 Litres (or more), 230V, 50 Hz, with	76
	1201121-71	0007710	0007770						pressure regulator and water separator	
and the second	E-Tender	00056.1	000\$6'1	1	0	198 [CLS	Fitter	Pneumatic Trainer Kit, each consisting of the following matching components and accessories: L 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 manually-actuated, spring return 1 No V. One-spring return 1 No VII. 5/2-way valve pneumatically-actuated, Normally Closed 2 Nos X. Shuttle valve (OR) 1 No XII. Two-pressure valve prior I No VII. 5/2-way valve direct actuation Normally pilot 1 No IX. 3/2-way valve direct actuation Normally colored 2 Nos X. Shuttle valve (OR) 1 No XII. Two-pressure valve pilot 1 No IX. 3/2-way valve direct actuation Normally colored 2 Nos X. Shuttle valve (OR) 1 No XII. Two-pressure valve (AND) 1 No XII. Pressure gauge 0-16 bar 1 No XII. Manifold with actual signal input with 3 illuminated maintained-contact switcher (1 NO + 1 NC). Contact load 2AI No XV. Relay station for switcher (1 NO + 1 NC). Contact load 2AI No XV. Relay station with 3 relays each with 4 contact ester (3MO+1NC or Change-over with 2 No XIV. Statis action with a contact sets (3MO+1NC or Change-over No XVII. 5/2-way single solenoid valve with manual override and lyo XVII. 5/2-way single solenoid valve with manual override and lyo XVII. 5/2-way single solenoid valve with manual override and library actual valve with manual override and library with a valve with manual override and library with a library single solenoid valve with manual override and library with 2 No XVII. 5/2-way single solenoid valve with manual override and library with 2 No XVII. 5/2-way single solenoid valve with manual override and library with 2 No XVII. 5/2-way single solenoid valve with manual override and library with 2 No XVII. 5/2-way single solenoid valve with 2 No XVII. 5/2-way single solenoid valve with 2 No XVII 5/2-way single solenoid valve with 2 Nover 2 Nove	€6

147 A	146 D	145 S		143 E			140 F	139 F	138	137	136 R	135 I		133	132 E	131		129 1		127 H			124 H							110 P		,
A.C. Voltmeter M.I. analog, portable box type housed in Bakelite case- Multi range 75 V - 150V - 300V - 600V	Digital Multi Meter- DC 200mv -1000v,0 - 10A & AC 200mv-750v , 0-10A, resistance 0-20 MΩ and 3 1/2 digit	Safety Belt- Standard quality	RCC Pole with accessories (MS angle iron, "C" clamp, stay insulator etc.) and materials- 6Mtr	Electrician Helmet- Yellow Colour	Rubber mat- 2° x 4° x 1"	Bus bar with brackets- 1 mtr each	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	Various Lamps- Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED	Various Electronic components- Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRAIC, IGBT, Small transformer etc.	Capacitors- Electrolytic Ceramic Polyester film Variable Dual run	Rheostat (Sliding type)- 0 - 25 Ohm, 2 Amp 0 - 300 Ohm, 2 Amp 0 -1 Ohm, 10 Amp 0 -10 Ohm, 5 Amp	Fuse- HRC Glass Rewire Type	ELCB and RCCB-25Amps, double pole and 25Amps, double pole, I\u00edn 30 mA	MCCB-100Amps, Triple pole	Earth Electrode- Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	b) 60cm X 60cm X 6mm GI Plate	Earth Plate- a) 60cm X 60cm X 3 15mm Copper Plate	Thermometer Digital- 0° C - 150° C	Load Bank (Lamp / heater Type)- 6 KW, 3Ph	Hydrometer	Oil Can- 250ml	Table Vice- 100 mm iaw	Gauge - Metric Hand Vice- Somm inv	Gauge, wire imperial stainless steel marked in SWG & mm Wi-	Smoothing cutters- 50 mm X 200mm	Plane cutters: 50 mm X 200 mm	Drill S.S. Twiet block 2 mm 5 mm 4.6	DE matric Scanner Death February 250mm - 250mm	I weezers- 150mm	riers round nose insulated- 100mm	Pliers flat nose insulated- 200mm	Name of Item
Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Trade/Course
CTS	CTS	CTS	CTS	CIS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CIS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	Trade Type- CTS/Short Term
υ.	10	2	-	2	12	ىي	-	-		2	-	4	-	_		1	1		-	2	2 0	0 4	4	2	2	4	2	2	4	4	4	Quantity Required as per Syllebus
0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	-	0	0	0	-	0	0	0	0	Quantity Available
3	9	2	-	2	2	3	-	-	-	2	1	4	-1	_		1	1	ı	_	2	2	2 4	· w	2	2	4	-	2	4	4	4	Actual Quantity Required
0.00750	0.00750	0.00450	0.02500	0.00500	0.01100	0.00250	0.00750	0.01200	0.00250	0.00200	0.00750	0.00050	0.00050	0.01500	0.04500	0.02000	0.08000	0.00250	0.01500	0.00075	0.00150	0.00200	0.00075	0.00225	0.00200	0.00250	0,00400	0.00600	0.00175	0.00150	0.00175	Unit (Bs. In lakh)
0.02250	0.04500	0.00900	0,02500	0.01000	0.02200	0.00750	0.00750	0.01200	0.00250	0.00400	0.00750	0.00200	0.00050	0.01500	0.04500	0.02000	0.08000	0.00250	0.01500	0.00150	0.00300	00010.0	0.00225	0.00400	0.00400	0,010,0	0.00400	0.01200	0.00700	0.00600	0.00700	Cost (Rs. In lakh)
E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tander	E-Tender	E-Lender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	Method of Procurement
		A.		}																												Remarks

173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151	150	149	148	No
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)	Ink jet laser printer	Solar panel with Battery- 18 Watt	Battery Charger- 0 - 6 - 9 - 12 - 24 - 48 V, 30amp	Voltage Stabilizer- AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	g. Mixture & Grinder- 750 W, 240 V	e A.C. Ceiling Fan and A.C. Table Fan- 68-Watt, 230 V	Domestic Appliances- d. Immersion Heater- 1500 Watt, 240 V	Temperature controlled Soldering Iron-50-Watt, 230 Volt	Soldering Iron-25-Watt, 65 Watt and 120-Watt, 230 Volt	Phase Sequence Indicator- 3 Phase, 415 V	Single Phase Variable Auto Transformer- 0 - 270 V, 10Amp (Air cooled)	Wheat Stone Bridge with galvanometer and battery	Tachomete- Digital Photo Sensor Type - 10000 RPM	Tachometer- Analog Type - 10000 RPM	Lux meter-0-500 tesla lux meter LCD read out 0.05 to 7000 lumens with battery.	Magnetic Flux Meter- 45 to 55 Hz	Frequency Meter- 45 to 55 Hz	Power Factor Meter Digital- 440 V, 20 A, Three Phase portable box type	A.C. Energy Meter- Three Phase, 15 A , 440 V induction type	A.C. Energy Meter-Single Phase, 10 A, 240 V induction type	Digital Wattmeter- 230 V, 1 KW, 50 Hz	Kilo Wattmeter Analog- 0-1.5-3KW, pressure coil rating240v/440v, current rating-5A/10A Analoge, portable type Housed in Bakelite case	AC Ammeter MI, analog, portable box type housed in Bakelite case-0 - 1 A, 0-5 A, 0-25 A	Ammeter MC analog, portable box type housed in Bakelite case- 0 - 500 mA, 0-5 A, 0-25 A	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case-100 – 0 – 100 mV	. ,
Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Electrician	Trade/Course
CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS -	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	CTS	Trade Type- CTS/Short Term
-	7. 1	-	1	_	_	_	1	2	2	2	2	2			2	2	2	2	2	2	2	2	2	2	2	Quantity Required as per Syllebus
0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	-	0	1	0	0	0	0	0	0	0	0	Quantity Available
-	1	1	-	-	_	_	-	2	2	2	2	-			-	2	-	2	2	2	2	2	2	2	2	Actual Quantity Required
0.45000	0.01200	0.10200	0.05000	0.06000	0.03500	0.02500	0.00350	0.02000	0.00250	0.01500	0.03500	0,02500	0.00750	0.00700	0,00500	0.01200	0.00500	0,02000	0.04500	0.03500	0.03200	0,03200	0.01500	0.01500	0.02000	Estimated Cost per Unit
0.45000	0.01200	0.10200	0.05000	0.06000	0.03500	0.02500	0.00350	0.04000	0.00500	0.03000	0.07000	0.02500	0.00750	0.00700	0,00500	0.02400	0.00500	0.04000	0.09000	0.07000	0.06400	0.06400	0.03000	0.03000	0.04000	Cost (Rs. In lakh)
E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	E-Tender	Procurement
**																										Remarks

								hatamir a
No	Name of Item	Trade/Course	Trade Type- CTS/Short Term	Quantity Required as per Syllebus	Quantity Available	Actual Quantity Required	Estimated Cost per Unit	Total Estimated Cost (Rs. In lakh)
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	_	0	-	0,40000	0.40000
175	DC Series Motor coupled with spring balance load- 2.5 KW, 220 Volts	Electrician	CTS	-	0	I	0.07500	0.07500
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	-	0.07500	0.07500
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
178	Thyristor /IGBT controlled D.C. motor drive with tacho-generator feedback arrangement-1HP	Electrician	CTS	-	0	1	0.08000	0.08000
179	Thyristor/IGBT controlled A.C. motor drive with-VVVF control 3 Phase, 2 HP	Electrician	CTS	-	0	-	0.08000	0.08000
180	Motorised Bench Grinder- 1 HP. 3 phase, 440V with DOL starter, Double side with smooth and rough wheel with Tool Base	Electrician	CTS	_	0	-	0.07500	0.07500
181	Manual Motor coil Winding Machine- With step arbor	Electrician	CTS	_	0		0.04200	0.04200
182	Ceiling fan coil Winding Machine- 250V, 50 Hz, 1-Φ, with speed control	Electrician	CTS	1	0	1	0.07000	0.07000
183	Primary current injection set- 220V, 50 Hz, 1-Φ, output current -	Electrician	CTS	1	0	1	0.15000	0.15000
184	Stepner Motor with Digital Controller	Electrician	CTS	-	0	-	0.04000	000+0.0

