

Hyderabad Electric Supply Company Ltd (HESCO)

ANNUAL PROCUREMENT PLAN FOR GRID STATION, TRANSMISSION LINE& T&P MATERIAL FOR FY: 2022-23

1	2		3		4	5	6	7	8
Sr. No.	Name of Procurement (Description)	UNIT	Estimated Cost		Procurement Method	Tentative date of Procurement Notice Publication	Tentative date of Award of contract	Tentative date of completion	Remarks (if any)
			Qty.	Total Cost (Mln.Rs.)					
1	ZM-1 Type Tower	Nos.	862	1541.5758	Open competitive bidding	30.08.2022	13.12.2022	11.06.2023	
2	03 Mtr. Extension for ZM-1 Type Tower	Nos.	142	44.837778	-do-	-do-	-do-	-do-	
3	06 Mtr. Extension for ZM-1 Type Tower	Nos.	38	23.78534	-do-	-do-	-do-	-do-	
4	ZM-30 Type Tower	Nos.	46	144.0628	-do-	-do-	-do-	-do-	
5	03 Mtr. Extension for ZM-30 Type Tower	Nos.	37	22.2222	-do-	-do-	-do-	-do-	
6	ZM-60 Type Tower	Nos.	88	350.6272	-do-	-do-	-do-	-do-	
7	03 Mtr. Extension for ZM-60 Type Tower	Nos.	25	20.58	-do-	-do-	-do-	-do-	
8	SP-A Tubular Pole	Nos.	42	108.78	-do-	-do-	-do-	-do-	
9	SP-D Tubular Pole	Nos.	32	114.24	-do-	-do-	-do-	-do-	
10	SP-G Tublar Pole	Nos.	45	201.6	-do-	-do-	-do-	-do-	
11	D1C Tower	Nos.	292	747.068641	-do-	-do-	-do-	-do-	
12	03 Mtr. Leg Extension for D1C	Nos.	49	29.6845303	-do-	-do-	-do-	-do-	
13	06 Mtr. Leg Extension for D1C	Nos.	2	1.796894	-do-	-do-	-do-	-do-	
14	Tower Type ZM-30 Modified	Nos.	53	210.113643	-do-	-do-	-do-	-do-	
15	3 Meter Leg Ext: for ZM-30 Modified	Nos.	4	3.07733228	-do-	-do-	-do-	-do-	
16	Tower Type ZM-60 Modified	Nos.	42	205.804645	-do-	-do-	-do-	-do-	
17	3 Meter Leg Ext: for ZM-60 Modified	Nos.	1	0.99295427	-do-	-do-	-do-	-do-	
18	Additional Cross Arm for ZM-60 Modified	Nos.	9	6.19831278	-do-	-do-	-do-	-do-	
19	Tower Type EA (Basic Body With Stubs)	Nos.	3	11.01888	-do-	-do-	-do-	-do-	
20	2 Meter Leg Ext: for EA	Nos.	4	0.254776	-do-	-do-	-do-	-do-	
21	Tower Type ED (Basic Body With Stubs)	Nos.	2	10.516	-do-	-do-	-do-	-do-	
22	6 Meter Leg Ext: for ED	Nos.	8	8.684816	-do-	-do-	-do-	-do-	
23	Tower Type EG (Basic Body With Stubs)	Nos.	3	15.600384	-do-	-do-	-do-	-do-	
24	6 Meter Leg Ext: for EG	Nos.	8	2.095104	-do-	-do-	-do-	-do-	
25	8 Meter Leg Ext: for EG	Nos.	8	2.767872	-do-	-do-	-do-	-do-	
26	Tower Type Lendative L-60	Nos.	8	23.516688	-do-	-do-	-do-	-do-	
27	AAAC Cairo Conductor	Km	699	1076.46	-do-	-do-	-do-	-do-	
28	ACSR Rail Conductor	Km	73	102.2	-do-	-do-	-do-	-do-	
29	ACSR Lynx Conductor	Km	264	114.662592	-do-	-do-	-do-	-do-	
30	AAAC Greely Conductor	Km	92	230	-do-	-do-	-do-	-do-	
31	Earth Wire 9mm sq	Km	31	10.044	-do-	-do-	-do-	-do-	
32	Mid span joint for Rail	Nos.	55	0.308	-do-	-do-	-do-	12.04.2023	
33	Repair sleeve for Rail	Nos.	21	0.08967	-do-	-do-	-do-	-do-	

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34	Single tension fitting(Compression) for Rail including Jumper Body compression fittings	Nos.	406	12.2206	-do-	-do-	-do-	-do-	
35	SSF for Rail Conductor	Sets	302	5.285	-do-	-do-	-do-	-do-	
36	Stock Bridge Damper for Rail	Nos.	1524	14.50848	-do-	-do-	-do-	-do-	
37	Mid span joint for Lynx	Nos.	93	0.54684	-do-	-do-	-do-	-do-	
38	Repair sleeve for Lynx	Nos.	15	0.0546	-do-	-do-	-do-	-do-	
39	Single tension fitting for Lynx (Dead End Clamp)	Nos.	267	4.1118	-do-	-do-	-do-	-do-	
40	SSF for Lynx Conductor	Sets	542	7.36036	-do-	-do-	-do-	-do-	
41	Stock Bridge Damper for E/wire	Nos.	808	4.29856	-do-	-do-	-do-	-do-	
42	Mid span joint for E/wire	Nos.	62	0.12152	-do-	-do-	-do-	-do-	
43	Single tension fitting for E/wire	Nos.	312	4.8048	-do-	-do-	-do-	-do-	
44	SSF for E/wire	Nos.	109	0.86982	-do-	-do-	-do-	-do-	
45	SSF for Cairo Conductor	Nos.	100	2.9215	-do-	-do-	-do-	-do-	
46	Repair sleeves for Cairo Conductor	Sets	30	0.0987	-do-	-do-	-do-	-do-	
47	Mid span joint for Cairo	Sets	40	0.26848	-do-	-do-	-do-	-do-	
48	Stock Bridge Damper for Cairo	Nos.	752	7.174832	-do-	-do-	-do-	-do-	
49	Single Tension assembly for Greely	Nos.	648	27.216	-do-	-do-	-do-	-do-	
50	Tower Grounding Set	Sets	121	2.21914	-do-	-do-	-do-	-do-	
51	Disc Insulator 80 KN Fog Type	Nos.	15548	72.857928	-do-	-do-	-do-	-do-	
52	Disc Insulator 100 KN Fog Type	Nos.	17405	91.080365	-do-	-do-	-do-	-do-	
53	Brace No.6 for ZM-1 Tower	Nos.	325	6.445725	-do-	-do-	-do-	-do-	
54	Brace No.3 for ZM-1 Tower	Nos.	450	8.37765	-do-	-do-	-do-	-do-	
55	Brace No.BA6 for TBA Tower	Nos.	425	1.97795	-do-	-do-	-do-	-do-	
56	Brace No.BA3 for TBA Tower	Nos.	350	13.65875	-do-	-do-	-do-	-do-	
57	Shoulder Eye Bolt 3/4" dia 18" long	Nos.	0	0	-do-	-do-	-do-	-do-	
58	Through bolt 1" dia 20" long	Nos.	40	0.048	-do-	-do-	-do-	-do-	
59	Cross Arm 24 ft	Nos.	18	2.7	-do-	-do-	-do-	-do-	
60	Grid Station, T/L T&P & Testing Sets			161	-do-	-do-	-do-	-do-	
61	132/11.5 kV 31.5/40 MVA Power Transformers	Nos.	15	2562	Open competitive bidding	05.09.2022	19.12.2022	17.06.2023	
62	132 KV Circuit Breaker SF6, 2000A, 31.5 KA, 110 VDC, 3-Pole along with all accessories As per NTDC specification P-193-2010 (amended to date)	Sets	35	166.991965	-do-	-do-	-do-	-do-	
63	132 kV Bus Isolator (Motor Operated) with SSS, Connectors & all allied accessories	Nos	31	55.118	-do-	-do-	-do-	-do-	

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64	132 kV Line Isolator (Motor Operated) with SSS, Connectors & all allied accessories.	Nos	16	29.9488	-do-	-do-	-do-	-do-	
65	132 kV Line CTs 1200-600-300/5-5-5A with SSS, Connectors & all allied accessories	Nos	42	55.859958	-do-	-do-	-do-	-do-	
66	132 kV 40kA, 200:100/5/5/5 A Transformer CTs with SSS, Connectors & all allied accessories	Nos	24	36.792	-do-	-do-	-do-	-do-	
67	132 kV/110 V P.Ts with with SSS, Connectors & all allied accessories	Nos	18	25.1244	-do-	-do-	-do-	-do-	
68	132 KV Lightning Arrester with SSS, Connectors &all allied accessories	Nos	38	20.4668	-do-	-do-	-do-	-do-	
69	11 KV Lightning Arrester with SSS, Connectors &all allied accessories	Nos	30	0.822	-do-	-do-	-do-	-do-	
70	11 KV Post Insulator	Nos	179	3.0072	-do-	-do-	-do-	-do-	
71	110 VDC, Control panel CP- 50, 240 VAC-5Amp	Nos	26	23.114	-do-	-do-	-do-	18.04.2023	
72	110 V D.C, Control panel CP- 30, 240 VAC-5Amp	Nos	51	48.195	-do-	-do-	-do-	-do-	
73	110 V D.C, Relay panel RP- 4, 240 VAC-5Amp	Nos	24	49.056	-do-	-do-	-do-	-do-	
74	110 V D.C, Relay panel RP- 3, 240 VAC-5Amp	Nos	41	78.064	-do-	-do-	-do-	-do-	
75	11 KV Power Cable 500 MCM S/C	Mtr	9200	26.2476	-do-	-do-	-do-	-do-	
76	11 KV Power Cable 1000 MCM S/C	Mtr	1750	8.35625	-do-	-do-	-do-	-do-	
77	Grounding Copper Conductor 95 mm2(Meter)	Mtr	10600	28.779	-do-	-do-	-do-	-do-	
78	Aluminum Conductor 600mm sq(Meter)	Mtr	5923	15.085881	-do-	-do-	-do-	-do-	
79	11 KV Capacitor Cells 200 KVAR	Nos	120	13.25352	-do-	-do-	-do-	17.06.2023	
80	132 kV Single Tension String Assemblies (Compression Type along with Jumper Body for 600 MM sq Conductor as per Specification.	Sets	42	3.234	-do-	-do-	-do-	18.04.2023	
81	Cartridge type "A"	Nos	540	0.5292	-do-	-do-	-do-	-do-	
82	Cartridge type "B"	Nos	210	0.2352	-do-	-do-	-do-	-do-	
83	Cartridge type "C"	Nos	400	0.4032	-do-	-do-	-do-	-do-	
84	Mould for Cartridge Type A with holder	Nos	15	0.1575	-do-	-do-	-do-	-do-	
85	Mould for Cartridge Type B with holder	Nos	8	0.084	-do-	-do-	-do-	-do-	
86	Mould for Cartridge Type C with holder	Nos	14	0.147	-do-	-do-	-do-	-do-	
87	110 V DC, Battery Charger	Nos	10	3.84264	-do-	-do-	-do-	-do-	
88	110 V DC, Battery Bank	Nos	28	34.0648	-do-	-do-	-do-	-do-	
89	11 KV Neutral CT 50/5 Amps	Nos	2	0.4172	-do-	-do-	-do-	-do-	
90	Indoor Termination Kit for 11kV Power Cable1000 MCM (S/C)	Nos	41	0.56252	-do-	-do-	-do-	-do-	

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91	Outdoor Termination Kit for 11kV Power Cable1000 MCM(S/C)	Nos	30	0.483	-do-	-do-	-do-	-do-	
92	Indoor Termination Kit for 11kV Power Cable 500 MCM(S/C)	Nos	230	2.093	-do-	-do-	-do-	-do-	
93	Outdoor Termination Kit for 11kV Power Cable 500 MCM(S/C)	Nos	251	3.44372	-do-	-do-	-do-	-do-	
94	Connectors Type TMHH	Nos	164	2.9848	-do-	-do-	-do-	-do-	
95	90BH40	Nos	48	2.016	-do-	-do-	-do-	-do-	
96	Earth wire Tension Assembly with G Clamp	Nos	65	1.0465	-do-	-do-	-do-	-do-	
97	Control Cable 4 x 2.5 mm sq	Mtr	22520	22.2948	-do-	-do-	-do-	-do-	
98	Control Cable 8 x 2.5 mm sq	Mtr	13581	19.108467	-do-	-do-	-do-	-do-	
99	Control Cable 16 x 2.5 mm sq	Mtr	23450	52.6687	-do-	-do-	-do-	-do-	
100	Control Cable 4 x 6 mm sq	Mtr	30600	49.6026	-do-	-do-	-do-	-do-	
101	11 KV All: Pipe 75 MM dia 4 Mtr Long	Nos.	30	1.596	-do-	-do-	-do-	-do-	
102	11 KV Structures for Power Transformer 4m	Nos.	7	0.686	-do-	-do-	-do-	-do-	
103	Earth Rod 16mm dia, 3 m Long (Cooper Coated)	Nos.	370	3.5224	-do-	-do-	-do-	-do-	
104	Earthing Platform	Nos.	54	2.646	-do-	-do-	-do-	-do-	
105	132 kV Columns 10+3.1Mtr	Nos.	18	15.63408	-do-	-do-	-do-	-do-	
106	132 kV Beam 11.4 Mtr	Nos.	26	10.25024	-do-	-do-	-do-	-do-	
107	132 KV Earth Mast	Nos.	1	0.45892	-do-	-do-	-do-	-do-	
108	11 KV Capacitor Rack with all accessories D-Charge Fittings	Nos.	4	2.3744	-do-	-do-	-do-	-do-	
109	AC/DC Panel	Nos.	1	1.169	-do-	-do-	-do-	-do-	
111	11 KV Incoming Panel 2400/5 Amp	Nos.	15	60.67599	-do-	-do-	-do-	-do-	
112	11 KV out going Panel	Nos.	108	239.200668	-do-	-do-	-do-	-do-	
113	11 KV Capacitor Panel	Nos.	11	28.460707	-do-	-do-	-do-	-do-	
114	11 KV Bus Coupler	Nos.	7	24.78	-do-	-do-	-do-	-do-	
115	200 Kva Pad mounted T/F	Nos.	7	16.333324	-do-	-do-	-do-	-do-	
116	11 KV C.T 400-200/5/5 (FICO Type-18PM	Nos.	59	3.64266	-do-	-do-	-do-	-do-	
117	Over Current Earth Fault 7SJ80 (Siemens or equivalent) with cold load pick up, Broken conductor feature, Negative sequence over current feature & Inrush Harmonic restraint Feature, Feeder Management feature	Nos.	257	68.57788	-do-	-do-	-do-	-do-	
118	DC Supervision Relay E-LabMake/ SEL	Nos.	290	10.3704	-do-	-do-	-do-	-do-	
119	40 KgSF6 Gas Cylinder	Nos.	7	3.136	-do-	-do-	-do-	-do-	

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120	Station Distribution TF 100 KVA	Nos.	6	6.71916	-do-	-do-	-do-	-do-	
121	LT Cable 19/83 (Meters)	Nos.	200	0.3458	-do-	-do-	-do-	-do-	
122	Steel Structure HT Type	Nos.	4	0.435244	-do-	-do-	-do-	-do-	
123	Steel Structure LT Type	Nos.	56	4.107376	-do-	-do-	-do-	-do-	
124	11 Kv Steel Cross arm	Nos.	8	0.135408	-do-	-do-	-do-	-do-	
125	Stay Wire (Kg)	Nos.	160	0.0608	-do-	-do-	-do-	-do-	
126	LT Spool Insulator	Nos.	300	0.1359	-do-	-do-	-do-	-do-	
127	D-Strap with Pin	Nos.	300	0.6	-do-	-do-	-do-	-do-	
128	Ant Conductor (Meter)	Nos.	5800	2.32	-do-	-do-	-do-	-do-	
129	4-core Copper cable 19/0.52 (Metr)	Nos.	240	0.23112	-do-	-do-	-do-	-do-	
130	ACSR Rabbit conductor(Meter)	Nos.	120	0.03024	-do-	-do-	-do-	-do-	
131	Drop Out Cutout Fuse (D-Fitting)	Nos.	4	0.128836	-do-	-do-	-do-	-do-	
132	AMR Digital meter required for LDIP	Nos.	200	6.6618	-do-	-do-	-do-	-do-	
133	Trip Relay (VAJ)	Nos.	20	2.4	-do-	-do-	-do-	-do-	
134	Indication Block (Annunciator) 6-Window	Nos.	18	0.2016	-do-	-do-	-do-	-do-	
135	Indication Block (Annunciator) 8-Window	Nos.	20	0.224	-do-	-do-	-do-	-do-	
136	Over/under Voltage Relay (Siemens Make)	Nos.	6	1.60104	-do-	-do-	-do-	-do-	
137	Surge Counter With Leakage Current Meter for 132KV Lighning Arrester	Nos.	20	0.56	-do-	-do-	-do-	-do-	
138	Chemical Foam 10 Gallon	Nos.	82	4.44276	-do-	-do-	-do-	-do-	
139	Foam Type 2 Gallon	Nos.	191	3.8773	-do-	-do-	-do-	-do-	
140	Sand container with shovel.	Nos.	214	1.9474	-do-	-do-	-do-	-do-	
141	CO2 Trolley mounted twin Cylinder 20Kgs Capacity each = 40 kg	Nos.	33	3.485328	-do-	-do-	-do-	-do-	
142	Fire bucket with stand 10 Ltrs:	Nos.	352	0.54208	-do-	-do-	-do-	-do-	
143	CO2 5 to 7 Kgs	Nos.	14	0.333592	-do-	-do-	-do-	-do-	
144	CO 2 Trolley mounted 40 kg	Nos.	4	0.404432	-do-	-do-	-do-	-do-	
145	Dry Chemical Powder 50 Kg	Nos.	56	3.570336	-do-	-do-	-do-	-do-	