

Hyderabad Electric Supply Company Ltd (HESCO)

ANNUAL PROCUREMENT PLAN FOR GRID STATION, TRANSMISSION LINE& T&P MATERIAL FOR FY: 2023-24

1	2	3				4	5	6	7	8
		UNIT	Qty.	Price (Rs.)	Total Cost (Mln.Rs.)					
Sr. No.	Name of Procurement (Description)					Procurement Method	Tentative date of Procurement Notice Publication	Tentative date of Award of contract	Tentative date of completion	Remarks (if any)
1	132/11.5 kV 31.5/40 MVA Power Transformers	Nos.	4	281,300,000.00	1125.2	Open competitive bidding	25-09-2023	23-12-2023	23-04-2024	Tenders will be floated quantitatively subject to availability of funds.
2	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	24	7,274,700.00	174.5928	-do-	-do-	-do-	-do-	
3	132 KV Bus Isolator (Motor Operated) with SSS, Connectors & all allied accessories	Nos	54	2,654,950.00	143.3673	-do-	-do-	-do-	-do-	
4	132 kV Line Isolator (Motor Operated) with SSS, Connectors & all allied accessories.	Nos	46	2,788,350.00	128.2641	-do-	-do-	-do-	-do-	
5	132 kV Line CTs 1200-600-300/5-5-5-5A with SSS, Connectors & all allied accessories	Nos	78	2,362,050.00	184.2399	-do-	-do-	-do-	-do-	
6	132 kV 40kA, 200:100/5/5/5 A Transformer CTs with SSS, Connectors & all allied accessories	Nos	12	2,536,050.00	30.4326	-do-	-do-	-do-	-do-	
7	132 kV/110 V P.Ts with with SSS, Connectors & all allied accessories	Nos	13	2,576,650.00	33.49645	-do-	-do-	-do-	-do-	
8	132 KV Lightning Arrester with SSS, Connectors & all allied accessories	Nos	12	729,350.00	8.7522	-do-	-do-	-do-	-do-	
9	11 KV Lightning Arrester with SSS, Connectors & all allied accessories	Nos	36	43,065.00	1.55034	-do-	-do-	-do-	-do-	
10	11 KV Post Insulator	Nos	12	49,735.00	0.59682	-do-	-do-	-do-	-do-	
11	110 VDC, Control panel CP- 50, 240 VAC-5Amp	Nos	6	1,179,430.00	7.07658	-do-	-do-	-do-	-do-	
12	110 V D.C, Control panel CP- 30, 240 VAC-5Amp	Nos	31	1,261,355.00	39.102005	-do-	-do-	-do-	-do-	
13	111 V D.C, Control panel CP- 22, 240 VAC-5Amp	Nos	6	1,261,355.00	7.56813	-do-	-do-	-do-	-do-	
14	110 V D.C, Relay panel RP- 4, 240 VAC-5Amp	Nos	6	2,607,825.00	15.64695	-do-	-do-	-do-	-do-	
15	110 V D.C, Relay panel RP- 3, 240 VAC-5Amp	Nos	37	2,461,085.00	91.060145	-do-	-do-	-do-	-do-	
16	11 KV Power Cable 500 MCM S/C	Mtr	4710	4,628.40	21.799764	-do-	-do-	-do-	-do-	
17	11 KV Power Cable 1000 MCM S/C	Mtr	4950	6,813.55	33.7270725	-do-	-do-	-do-	-do-	
18	Grounding Copper Conductor 95 mm ² (Meter)	Mtr	14500	3,841.05	55.695225	-do-	-do-	-do-	-do-	
19	Aluminum Conductor 600mm sq(Meter)	Mtr	8930	2,971.05	26.5314765	-do-	-do-	-do-	-do-	
20	11 KV Capacitor Cells 200 KVAR	Nos	144	242,150.00	34.8696	-do-	-do-	-do-	-do-	
21	132 kV Single Tension String Assemblies (Compression Type along with Jumper Body for 600 MM sq Conductor as per Specification.	Sets	24	49,300.00	1.1832	-do-	-do-	-do-	-do-	

Chief Engineer (Development)
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Price (Rs.)	Total Cost (Mln.Rs.)									
22	Double Tension String Assembly for 600mm Al: Conductor (Hawthorn)	Sets	18	98,600.00	1.7748	-do-	-do-	-do-	-do-	
23	Cartridge type "A"	Nos	2225	2,610.00	5.80725	-do-	-do-	-do-	-do-	
24	Cartridge type "B"	Nos	340	2,900.00	0.986	-do-	-do-	-do-	-do-	
25	Cartridge type "C"	Nos	1215	2,610.00	3.17115	-do-	-do-	-do-	-do-	
26	Mould for Cartridge Type A with holder	Nos	32	24,650.00	0.7888	-do-	-do-	-do-	-do-	
27	Mould for Cartridge Type B with holder	Nos	18	24,650.00	0.4437	-do-	-do-	-do-	-do-	
28	Mould for Cartridge Type C with holder	Nos	28	24,650.00	0.6902	-do-	-do-	-do-	-do-	
29	110 V DC, Battery Charger	Nos	4	377,000.00	1.508	-do-	-do-	-do-	-do-	
30	110 V DC, Battery Bank	Nos	4	1,515,250.00	6.061	-do-	-do-	-do-	-do-	
31	11 KV Neutral CT 50/5 Amps	Nos	4	290,000.00	1.16	-do-	-do-	-do-	-do-	
32	Indoor Termination Kit for 11kV Power Cable1000 MCM (S/C)	Nos	130	18,125.00	2.35625	-do-	-do-	-do-	-do-	
33	Outdoor Termination Kit for 11kV Power Cable1000 MCM(S/C)	Nos	130	26,825.00	3.48725	-do-	-do-	-do-	-do-	
34	Indoor Termination Kit for 11kV Power Cable 500 MCM(S/C)	Nos	188	11,890.00	2.23532	-do-	-do-	-do-	-do-	
35	Outdoor Termination Kit for 11kV Power Cable 500 MCM(S/C)	Nos	188	18,125.00	3.4075	-do-	-do-	-do-	-do-	
36	Connectors Type TMHH	Nos	126	27,550.00	3.4713	-do-	-do-	-do-	-do-	
37	Connectors Type TDMHH	Nos	51	55,100.00	2.8101	-do-	-do-	-do-	-do-	
38	Connector TMLH	Nos	42	18,850.00	0.7917	-do-	-do-	-do-	-do-	
39	Connector 90B75F	Nos	12	21,750.00	0.261	-do-	-do-	-do-	-do-	
40	Earth wire Tension Assembly with G Clamp	Nos	62	29,000.00	1.798	-do-	-do-	-do-	-do-	
41	Control Cable 4 x 2.5 mm sq	Mtr	25300	1,595.00	40.3535	-do-	-do-	-do-	-do-	
42	Control Cable 8 x 2.5 mm sq	Mtr	14700	2,465.00	36.2355	-do-	-do-	-do-	-do-	
43	Control Cable 16 x 2.5 mm sq	Mtr	10200	3,913.55	39.91821	-do-	-do-	-do-	-do-	
44	Control Cable 4 x 6 mm sq	Mtr	23900	2,652.05	63.383995	-do-	-do-	-do-	-do-	
45	11 KV Structures for Power Transformer 4m	Nos.	4	101,500.00	0.406	-do-	-do-	-do-	-do-	
46	Earth Rod 16mm dia, 3 m Long (Cooper Coated)	Nos.	529	12,760.00	6.75004	-do-	-do-	-do-	-do-	
47	Earthing Platform	Nos.	108	58,000.00	6.264	-do-	-do-	-do-	-do-	
48	132 kV Columns 10+3.1Mtr	Nos.	43	1,123,750.00	48.32125	-do-	-do-	-do-	-do-	
49	132 kV Beam 11.4 Mtr	Nos.	31	435,000.00	13.485	-do-	-do-	-do-	-do-	
50	132 KV Earth Mast	Nos.	4	609,000.00	2.436	-do-	-do-	-do-	-do-	
51	11 KV Capacitor Rack with all accessories D-Charge	Nos.	12	906,250.00	10.875	-do-	-do-	-do-	-do-	
52	AC/DC Panel	Nos.	4	3,153,750.00	12.615	-do-	-do-	-do-	-do-	
53	11 KV Incoming Panel 2400/5 Amp	Nos.	5	5,955,150.00	29.77575	-do-	-do-	-do-	-do-	
54	11 KV out going Panel	Nos.	24	3,171,150.00	76.1076	-do-	-do-	-do-	-do-	

Chief Engineer (Development)
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								Estimated Cost	
Sr. No.	Name of Procurement (Description)	UNIT	Qty.	Price (Rs.)	Total Cost (Mln.Rs.)				
55	11 KV Capacitor Panel	Nos.	4	3,765,650.00	15.0626	-do-	-do-	-do-	-do-
56	11 KV Bus Coupler	Nos.	4	6,150,900.00	24.6036	-do-	-do-	-do-	-do-
57	200 Kva Pad mounted T/F	Nos.	4	3,936,735.50	15.746942	-do-	-do-	-do-	-do-
58	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.	60	370,475.00	22.2285	-do-	-do-	-do-	-do-
59	DC Supervision Relay E-LabMake/ SEL	Nos.	90	69,600.00	6.264	-do-	-do-	-do-	-do-
60	40 KgSF6 Gas Cylinder	Nos.	6	458,200.00	2.7492	-do-	-do-	-do-	-do-
61	Trip Relay (VAJ)	Nos.	20	168,490.00	3.3698	-do-	-do-	-do-	-do-
62	Over/under Voltage Relay (Siemens Make)	Nos.	6	647,570.00	3.88542	-do-	-do-	-do-	-do-
63	Chemical Foam 10 Gallon	Nos.	37	60,399.75	2.23479075	-do-	-do-	-do-	-do-
64	Foam Type 2 Gallon	Nos.	38	19,575.00	0.74385	-do-	-do-	-do-	-do-
65	Sand container with shovel.	Nos.	49	9,425.00	0.461825	-do-	-do-	-do-	-do-
66	CO2 Trolley mounted twin Cylinder 20Kgs Capacity each = 40 kg	Nos.	12	220,400.00	2.6448	-do-	-do-	-do-	-do-
67	Fire bucket with stand 10 Ltrs:	Nos.	710	22,817.20	16.200212	-do-	-do-	-do-	-do-
68	CO2 5 to 7 Kgs	Nos.	12	34,437.50	0.41325	-do-	-do-	-do-	-do-
69	CO 2 Trolley mounted 40 kg	Nos.	4	133,429.00	0.533716	-do-	-do-	-do-	-do-
70	Dry Chemical Powder 50 Kg	Nos.	32	53,650.00	1.7168	-do-	-do-	-do-	-do-
71	ZM-1 Type Tower	Nos.	592	2,579,600.00	1527.1232	-do-	-do-	-do-	-do-
72	03 Mtr. Extension for ZM-1 Type Tower	Nos.	82	440,800.00	36.1456	-do-	-do-	-do-	-do-
73	06 Mtr. Extension for ZM-1 Type Tower	Nos.	43	875,800.00	37.6594	-do-	-do-	-do-	-do-
74	ZM-30 Type Tower	Nos.	157	4,162,478.00	653.509046	-do-	-do-	-do-	-do-
75	03 Mtr. Extension for ZM-30 Type Tower	Nos.	77	796,862.00	61.358374	-do-	-do-	-do-	-do-
76	ZM-60 Type Tower	Nos.	150	5,227,938.00	784.1907	-do-	-do-	-do-	-do-
77	03 Mtr. Extension for ZM-60 Type Tower	Nos.	50	999,274.00	49.9637	-do-	-do-	-do-	-do-
78	SP-A Tubular Pole	Nos.	78	5,015,550.00	391.2129	-do-	-do-	-do-	-do-
79	SP-D Tubular Pole	Nos.	39	6,364,100.00	248.1999	-do-	-do-	-do-	-do-
80	SP-G Tubular Pole	Nos.	37	8,514,100.00	315.0217	-do-	-do-	-do-	-do-
81	Tower Type EA (Basic Body With Stubs)	Nos.	9	6,562,460.00	59.06214	-do-	-do-	-do-	-do-
82	2 Meter Leg Ext: for EA	Nos.	14	63,694.00	0.891716	-do-	-do-	-do-	-do-
83	6 Meter Leg Ext: for EA	Nos.	8	345,984.00	2.767872	-do-	-do-	-do-	-do-

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		UNIT	Qty.	Price (Rs.)	Total Cost (Mln.Rs.)					
84	Tower Type ED (Basic Body With Stubs)	Nos.	5	5,258,000.00	26.29	-do-	-do-	-do-	-do-	
85	6 Meter Leg Ext: for ED	Nos.	20	985,602.00	19.71204	-do-	-do-	-do-	-do-	
86	Tower Type EG (Basic Body With Stubs)	Nos.	3	5,200,128.00	15.600384	-do-	-do-	-do-	-do-	
87	6 Meter Leg Ext: for EG	Nos.	8	261,888.00	2.095104	-do-	-do-	-do-	-do-	
88	Tower Type Lendative L-60	Nos.	22	3,947,000.00	86.834	-do-	-do-	-do-	-do-	
89	AAAC Cairo Conductor	Km	790	1,916,900.00	1514.351	-do-	-do-	-do-	-do-	
90	ACSR Rail Conductor	Km	165	2,147,500.00	354.3375	-do-	-do-	-do-	-do-	
91	ACSR Lynx Conductor	Km	273	1,015,000.00	277.095	-do-	-do-	-do-	-do-	
92	AAAC Greely Conductor	Km	77	2,610,000.00	200.97	-do-	-do-	-do-	-do-	
93	Earth Wire 9mm sq	Km	321	319,000.00	102.399	-do-	-do-	-do-	-do-	
94	Mid span joint for Rail	Nos.	74	12,325.00	0.91205	-do-	-do-	-do-	-do-	
95	Repair sleeve for Rail	Nos.	10	5,220.00	0.0522	-do-	-do-	-do-	-do-	
96	Single tension fitting(Compression) for Rail including Jumper Body compression fittings	Nos.	470	50,025.00	23.51175	-do-	-do-	-do-	-do-	
97	SSF for Rail Conductor	Sets	543	34,800.00	18.8964	-do-	-do-	-do-	-do-	
98	Stock Bridge Damper for Rail	Nos.	1556	14,355.00	22.33638	-do-	-do-	-do-	-do-	
99	Mid span joint for Lynx	Nos.	162	10,875.00	1.76175	-do-	-do-	-do-	-do-	
100	Repair sleeve for Lynx	Nos.	0	3,640.00	0	-do-	-do-	-do-	-do-	
101	Single tension fitting for Lynx (Dead End Clamp)	Nos.	528	26,100.00	13.7808	-do-	-do-	-do-	-do-	
102	SSF for Lynx Conductor	Sets	505	23,200.00	11.716	-do-	-do-	-do-	-do-	
103	PG Clamp for Lynx	Nos.	2790	5,920.00	16.5168	-do-	-do-	-do-	-do-	
104	Stock Bridge Damper for E/wire	Nos.	3264	9,425.00	30.7632	-do-	-do-	-do-	-do-	
105	Mid span joint for E/wire	Nos.	324	3,625.00	1.1745	-do-	-do-	-do-	-do-	
106	Single tension fitting for E/wire	Nos.	725	28,275.00	20.499375	-do-	-do-	-do-	-do-	
107	SSF for E/wire	Nos.	1230	9,860.00	12.1278	-do-	-do-	-do-	-do-	
108	SSF for Cairo Conductor	Nos.	2188	40,165.00	87.88102	-do-	-do-	-do-	-do-	
109	Double Suspension Assembly for Cairo	Nos.	6	79,862.00	0.479172	-do-	-do-	-do-	-do-	
110	Single Tension for Cairo	Nos.	576	32,167.00	18.528192	-do-	-do-	-do-	-do-	
111	Double Tension Assembly for Cairo	Nos.	36	72,375.00	2.6055	-do-	-do-	-do-	-do-	
112	Repair sleeves for Cairo Conductor	Sets	185	4,785.00	0.885225	-do-	-do-	-do-	-do-	
113	Mid span joint for Cairo	Sets	440	10,658.00	4.68952	-do-	-do-	-do-	-do-	
114	Stock Bridge Damper for Cairo	Nos.	6036	13,050.00	78.7698	-do-	-do-	-do-	-do-	
115	PG Clamp for Cairo	Nos.	1683	5,565.00	9.365895	-do-	-do-	-do-	-do-	
116	Single Tension assembly for Greely	Nos.	186	60,900.00	11.3274	-do-	-do-	-do-	-do-	
117	Single Suspension Assembly for Greely	Nos.	276	21,810.10	6.0195876	-do-	-do-	-do-	-do-	
118	Stock Bridge Damper for Greely	Nos.	1393	10,194.00	14.200242	-do-	-do-	-do-	-do-	
119	Mid Spain Joint for Greely	Nos.	25	11,083.00	0.277075	-do-	-do-	-do-	-do-	
120	Repair Sleeve for Greely	Sets	15	5,073.00	0.076095	-do-	-do-	-do-	-do-	

Chief Engineer (Development)
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								Estimated Cost		Procurement Method
Sr. No.	Name of Procurement (Description)	UNIT	Qty.	Price (Rs.)	Total Cost (Mln.Rs.)					
		Sets	857	27,695.00	23.734615	-do-	-do-	-do-	-do-	
121	Tower Grounding Set	Nos.	82670	6,268.45	518.212762	-do-	-do-	-do-	-do-	
122	Disc Insulator 80 KN Fog Type	Nos.	6462	7,236.00	46.759032	-do-	-do-	-do-	-do-	
123	Disc Insulator 100 KN Fog Type	Nos.	550	55,017.00	30.25935	-do-	-do-	-do-	-do-	
124	Tower Braces 22'5"	Nos.	400	53,988.00	21.5952	-do-	-do-	-do-	-do-	
125	Tower Braces 22'	Nos.	400	49,084.00	19.6336	-do-	-do-	-do-	-do-	
126	Tower Braces 20'	Nos.	350	48,675.00	17.03625	-do-	-do-	-do-	-do-	
127	Tower Braces 19'10"	Nos.	350	45,401.40	15.89049	-do-	-do-	-do-	-do-	
128	Tower Braces 18'6"	Nos.	350	44,174.00	15.4609	-do-	-do-	-do-	-do-	
129	Tower Braces 18'	Nos.	350	42,742.00	14.9597	-do-	-do-	-do-	-do-	
130	Tower Braces 17'5"	Nos.	350	41,719.00	14.60165	-do-	-do-	-do-	-do-	
131	Tower Braces 17'	Nos.	350	38,036.00	13.3126	-do-	-do-	-do-	-do-	
132	Tower Braces 15'6"	Nos.	350	36,808.20	12.88287	-do-	-do-	-do-	-do-	
133	Tower Braces 15'	Nos.	240	31,904.40	7.657056	-do-	-do-	-do-	-do-	
134	Tower Braces 13'	Nos.	240	29,449.20	7.067808	-do-	-do-	-do-	-do-	
135	Tower Braces 12'	Nos.	240	28,835.40	6.920496	-do-	-do-	-do-	-do-	
136	Tower Braces 11'9"				175.8	-do-	-do-	-do-	-do-	
137	Grid Station, T/L T&P & Testing Sets									
138	132 KV MOBILE GRIS STATION WITH 20/26 MVA POWER TRANSFORMER AND 1+6 SWITCH GEAR PANEL BOARD.	Nos.	1	800 Million	800	-do-	-do-	-do-	-do-	


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