

Schedule of Rate for Standard Stock Materials Common SR 2021-22 (33kV System)

Sl No	Item No	Name of the Material	UoM	Material Code	CSR 2018-19 Ford Rates in Rs inclusive of Taxes, F&I	CSR 2021-22 Ford Rates in Rs inclusive of Taxes, F&I
	1	<u>33/11 kV Transformer with all fittings and accessories, OLTC, RTCC, First filling of oil and 10 % Spare oil</u>	No.			
1	1.1	5 MVA	No.	322205	3942850	6190275
2	1.2	10 MVA	No.	322210	5233333	8216333
3	1.3	12.5MVA			6792874	10664812
	2	<u>Circuit Breakers</u>				
4	2.1	33 kV Circuit Breaker SF6 type 800A, 25kA	No.	311601	373000	484900
	3	<u>11kV Switch Gear</u>				
5	3.1	11KV 500MVA (1600A, for two incomer & two capacitor bank and 1250A for eight feeders) MCVCB switchgear comprising 2I+10F+1BC+2AP VCB's all of 25KA rupturing capacity as per technical specification	Set		8692023	Refer KPTCL SR
6	3.2	11KV 500MVA (1600A, for one incomer & one capacitor bank and 1250A for four feeders) MCVCB switchgear comprising 1I+5F+1BC+1AP VCB's all of 25KA rupturing capacity as per technical specification	Set		4049179	Refer KPTCL SR
7	3.3	11 kV, 500 MVA, (1600A, for incomer & 1250 A for feeder) outdoor Switch gear, comprising of 2I+2F+1BC+1AP MCVCBs	Set	309204	9662300	Refer KPTCL SR
8	3.4	11 kV, 500 MVA, (1600A, for incomer & 1250 A for feeder) outdoor Switch gear, comprising of 2I+10F+1BC+1AP VCBs	Set	309202	8349703	Refer KPTCL SR
9	3.5	11 KV, 500 MVA, 1250 A, (I/C) and 800 A (feeder), outdoor Switch Gear, comprising of 2I+1BC+8F+1AP VCBs	Set	309200	7080872	Refer KPTCL SR
10	3.6	11 kV Switch gear, 350 MVA, 800 Amps Outdoor MCVCB comprising of 1I+5F+1AP	Set	309206	3872966	Refer KPTCL SR
11	3.7	11 KV 500 MVA 1250 Amps 25 KA feeder panel	No.	309208	650076	Refer KPTCL SR
12	3.8	11 KV 500 MVA 1250 Amps SWG 1I+5F+1AP MCVCB	Set	309210	3938681	Refer KPTCL SR
13	3.9	11kV 500MVA Indoor type Switchgear with 1I+5F+1AP provided with VCBs, 1600A for Incomer 1600A for capacitor Bank, 1250A for outgoing feeders all of 25KA rupturing capacity and SCADA Compatible			4049179	Refer KPTCL SR
14	3.1	11kV, 350 MVA, Indoor type Switchgear with 1I+1BC+4F+1CB+1AP provided with VCBs, 1250A for incomer, Bus Coupler & capacitor Bank, 800A for outgoing feeders all of 20 KA rupturing capacity			4266673	Refer KPTCL SR
15	3.11	11kV 500MVA Indoor type Switchgear with 2I+8 F+2CB+1BC+1AP provided with VCBs 1600A for Bus coupler, Incomer & capacitor Bank, 1250A for outgoing feeders all of 25KA rupturing capacity and SCADA Compatible			8692248	Refer KPTCL SR

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16	3.12	11kV, 500 MVA, Outdoor type Switchgear with 2I+8F+2CB+1BC+1AP provided with VCB's, 1600A for incomer & capacitor Bank, 1250 A for outgoing feeders, all of 25 KA rupturing capacity as per technical specification and SCADA compatible	sets		8258810	Refer KPTCL SR
17	3.13	11kV 500MVA Indoor type Switchgear with 2C+10F+1BC+1AP provided with VCBs 1600A for 2 Incomer & 2 capacitor Bank, 1250A for 8 feeders all of 25KA rupturing capacity and SCADA Compatible			8692023	Refer KPTCL SR
	3.14	Annunciator Panels				
18	3.14.1	1IC+4F			102000	Refer KPTCL SR
19	3.14.2	1IC+5F			131000	Refer KPTCL SR
20	3.14.3	1IC+6F			142000	Refer KPTCL SR
21	3.14.4	2IC+8F+1BC			220000	Refer KPTCL SR
	4	11kV Kiosk				
	4.2	11 kV, 350 MVA, 800A Outdoor type, kiosk PCVCB comprising				
22	4.2.1	1IC+4F+1AP, PCVCB	sets		2260192	Refer KPTCL SR
23	4.2.2	1IC+3F+1AP, PCVCB	sets		1882493	Refer KPTCL SR
24	4.2.3	2IC+6F+1AP, PCVCB	sets		3712028	Refer KPTCL SR
25	4.2.4	2IC+8F+1AP PCVCB	sets		4472630	Refer KPTCL SR
26	4.2.5	11 kV, 350 MVA, 800A Outdoor type, kiosk PCVCB	No.		302174	Refer KPTCL SR
	5	Instrument Transformers				
	5.1	Current Transformers				
	5.1.1	220kV CT's	No.			
27	5.1.2	220kV class 1200-800-600-400-300/1-1-1-1A	No.		251717	Refer KPTCL SR
		110 kV 0.2 class accuracy CTs for metering purpose				
28	5.1.3	CT ratio 100-75/1A	No.		113499	Refer KPTCL SR
29	5.1.4	CT ratio 100-75-50/5A	No.		114236	Refer KPTCL SR
30	5.1.5	CT ratio 100/5A	No.		113499	Refer KPTCL SR
		33kV class CT with 0.2 accuracy class				
31	5.1.6	400 - 200/1-1A for lines	No.	336470	36426	Refer KPTCL SR
32	5.1.7	200 - 100/1-1-1A for Transformer	No.	336473	36426	Refer KPTCL SR
33	5.1.8	30/5A	No.	336400	18000	Refer KPTCL SR
34	5.1.11	33 KV Outdoor CT's 200-100/1-1A	No.		35227	Refer KPTCL SR
		11kV class CT with 0.2 accuracy class				
35	5.1.12	11 KV Outdoor CT's 800-400/1-1-1A	No.		29778	Refer KPTCL SR
36	5.1.13	11 KV Outdoor CT's 600-300/1-1-1 A	No.		26801	Refer KPTCL SR
37	5.1.14	11 KV Outdoor CT's 400-200/1-1-1 A	No.		27918	Refer KPTCL SR
38	5.1.15	11 KV Outdoor CT's 200-100/1-1 A	No.		23449	Refer KPTCL SR
39	5.1.16	11kV NCTs 800-400/1-1-1A	No.	330210	29669	Refer KPTCL SR
40	5.1.17	11kV NCTs 600-300/1-1-1A	No.	330220	42526	Refer KPTCL SR
41	5.1.18	11kV Class Out door CT 200-100/1-1-1A			23836.35	Refer KPTCL SR
	6	Potential Transformers				

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	6.1	<u>220kV PT's</u>				
42	6.1.1	220kV / $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$	No		224000	Refer KPTCL SR
43	6.1.2	PTs 110 KV $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$ 0.2 class accuracy	Nos.		98000	Refer KPTCL SR
		<u>33 KV Outdoor PT's</u>				
44	6.1.3	33kV Voltage Transformer 33kV $\sqrt{3}$ 110 $\sqrt{3}$ - 110 $\sqrt{3}$	No.	335512	34000	Refer KPTCL SR
45	6.1.4	33kV / $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$			38493	Refer KPTCL SR
		<u>Single phase PT 11kV/110V</u>				
46	6.1.5	Single phase PT 11kV/ $\sqrt{3}$ /110V/ $\sqrt{3}$	No.	335220	8633	Refer KPTCL SR
47	6.1.6	3 Ph PT 11kV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$	No		29000	Refer KPTCL SR
	7	<u>Lightning Arrester</u>				
48	7.1	30 kV Lightning Arrester Normal Duty Metal oxide (Discharge Class-2)	No.	303510	10052	Refer KPTCL SR
49	7.2	30 kV Lightning Arrester Normal Duty Metal oxide (Discharge Class-3)	No.	303512	8902	Refer KPTCL SR
50	7.3	30 kV 10kA Lightning Arrester Normal Duty polymeric Discharge Class -2	No.	303520	12947	16054
	8	<u>Isolators</u>				
51	8.1	Isolators 33kV 800A, 25kA Upright with Earth Switch complete metallic portion with insulator	Set	304536	81000	Refer KPTCL SR
52	8.2	Isolators 33kV 800A, 25kA Upright without Earth Switch complete metallic portion with insulator (live point height 3750mm)	Set	304524	68000	Refer KPTCL SR
53	8.3	Isolators 33kV 800A, 25kA Upright without Earth Switch complete metallic portion with insulator (live point height 4750mm)	Set	304525	79000	Refer KPTCL SR
	9	<u>Battery Set/Battery Charger</u>				
54	9.1	Battery Set (Tubular) 48 V, 100 Ah	Set	344007	136092	Refer KPTCL SR
55	9.2	Battery Set (Tubular) 110 V, 100 Ah	Set	344011	298108	Refer KPTCL SR
56	9.3	Battery Set (Maintance free VRLA) 48 V, 100 Ah	Set	344107	69126	Refer KPTCL SR
57	9.4	Battery Set (Maintance free VRLA) 110 V,100 Ah	Set	344111	14905	Refer KPTCL SR
58	9.5	Battery Charger 48 V, 100 Ah	Set	344416	66345	Refer KPTCL SR
59	9.6	Battery Charger 110V, 100 Ah (with float cum boost charger working on 230V 1ph AC supply along with integral DCDB consisting 4 nos. O/G feeders as per specifications)	Set	344426	124000	Refer KPTCL SR
60	9.7	Capacitor Bank with 0.2% Series reactor & NCT 12.1kV 2.9 MVAR star connected Capacitor Bank	Set	333424	397000	Refer KPTCL SR
	10	<u>Panel</u>				
61	10.1	33 kV Line Panel (Simplex)	No.	339500	366000	Refer KPTCL SR
62	10.2	33/11kV Transformer Panel (Simplex)	No.	339530	530622	Refer KPTCL SR
63	10.3	33 kV Capacitor Bank Panel	No.	339540	292478	Refer KPTCL SR
	11	<u>Towers</u>				
64	11.1	Design, fabrication, galvansing and supply of High Tension transmission line tower materials including stubs	M.T.	201050	97000	Refer KPTCL SR

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65	11.2	Fabrication, galvanization and supply of mild steel tower materials	M.T.	201055	88000	Refer KPTCL SR
66	11.3	Supply of galvanised Bolts & Nuts	M.T.	736002	123000	Refer KPTCL SR
67	11.4	Supply of stub templates	M.T.	210080	91866	Refer KPTCL SR
	12	Outdoor type meter box to house ETV meters, made of CRCA steel mounted on angle iron frame work				
68	12.1	Meter box suitable for fixing 6 ETV meters	No.	358046	14778	23201
69	12.2	Meter box suitable for fixing 4 ETV meters	No.	358044	9033	14182
70	12.3	Meter box suitable for fixing 3 ETV meters	No.	358043	6323	9927
	13	<u>Insulators</u>				
71	13.4	Solid Core Insulator 33kV	No.	283125	2294	Refer KPTCL SR
72	13.2	33 kV Pin Insulator (Shell only)	No.	283006	379	Refer KPTCL SR
73	13.3	33 kV Pin Insulator (Pin only)	No.	283056	249	Refer KPTCL SR
74	13.4	33kV Composit Disc Insulator	No.	283433	344	423
75	13.5	33kV Polymer Pin Insulator			555	683
76	13.6	33kV 70 KN Polymer Insulator (Ball & socket type)			286	352
	14	<u>HARDWARE CLAMPS FOR STATION MATERIALS</u>				
	14.1	Bolted Type Tension Clamp				
77	14.1.1	Single Lynx ACSR conductor 70/90 kN 16mm	No.	285080	998	Refer KPTCL SR
78	14.1.2	Single Coyote ACSR conductor 70/90 kN 16mm	No.	285079	937	Refer KPTCL SR
79	14.1.3	Single Rabbit ACSR conductor 70/90 kN 16mm	No.	285078	705	Refer KPTCL SR
	14.2	Bolted Type Suspension Clamp				
80	14.2.1	Single Lynx ACSR conductor 70/90 kN 16mm	No.	285050	891	Refer KPTCL SR
81	14.2.2	Single Coyote ACSR conductor 70/90 kN 16mm	No.	258046	808	Refer KPTCL SR
82	14.2.3	Single Rabbit ACSR conductor 70/90 kN 16mm	No.	285038	647	Refer KPTCL SR
83	14.3	Ground Wire Clamp 7/3.15mm 2 bolt	No.	281410	913	Refer KPTCL SR
	14.4	Post Insulator Clamp				
84	14.4.1	Single Lynx ACSR conductor 127/76mm	No.	285699	666	Refer KPTCL SR
85	14.4.2	Single Coyote ACSR conductor 127/76mm	No.	285697	616	Refer KPTCL SR
86	14.4.3	Single Rabbit ACSR conductor 76mm	No.	285696	565	Refer KPTCL SR
	14.4.4	DRAKE ACSR	Kms		251000	Refer KPTCL SR
87	14.4.5	Strain clamps for Drake ACSR	No.		1714	Refer KPTCL SR
88	14.4.6	Suspension Clamps for Drake ACSR	No.		1189	Refer KPTCL SR
		Wedge Clamps for Drake ACSR				
89	14.4.7	Rabbit to Drake	No.		2734	Refer KPTCL SR
90	14.4.8	Coyote to Drake	No.		2734	Refer KPTCL SR
91	14.4.9	Lynx to Drake	No.		2691	Refer KPTCL SR
92	14.4.10	Drake to Drake	No.		2691	Refer KPTCL SR
93	14.4.11	PG clamps for DRAKE	No.		913	Refer KPTCL SR
94	14.4.12	Post insulatators clamps suitable for Single Drake ACSR	No.		713	Refer KPTCL SR
95	14.4.13	Post insulatators clamps suitable for Double Drake ACSR	No.		1081	Refer KPTCL SR
96	14.4.14	Terminal connectors for Drake ACSR for connection to the Cable ends and isolator ends (Pad clamps)	No.		794	Refer KPTCL SR

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97	14.4.15	Vibration dampers for Drake	No.		1089	Refer KPTCL SR
98	14.4.16	Repair Sleeves for Drake	No.		624	Refer KPTCL SR
99	14.4.17	Mid span compression joints for coyote	No.		438	Refer KPTCL SR
100	14.4.18	7/3.15mm GI ground conductor	Km.		64000	Refer KPTCL SR
101	14.4.19	Number plates with pole clamps Bolt & nuts	No.		161	Refer KPTCL SR
	14.5	"T" Clamp for ACSR Conductor				
102	14.5.1	Single Lynx to Single Lynx	No.	285610	379	Refer KPTCL SR
103	14.5.2	Single Coyote to Single Coyote	No.	285605	360	Refer KPTCL SR
	14.6	Terminal connector clamp for ACSR Conductor				
104	14.6.1	Single Lynx	No.	282620	607	Refer KPTCL SR
105	14.6.2	Single Coyote	No.	282616	522	Refer KPTCL SR
	15	<u>STATION STRUCTURES</u>				
106	15.1	Fabrication, galvanization and supply of Station Structures	MT	276110	128511	Refer KPTCL SR
107	15.2	Supply of galvanized Bolts & Nuts	MT		123000	Refer KPTCL SR
108	15.3	Double pole structure for 33kV	Set	279103	6052	7444
109	15.4	V-Shape X arm for 33 kV	No.	279016	903	1111
110	15.5	HT ST Support for 33 kV	No.	279093	377	464
111	15.6	Clamp 9.5M RCC Pole for 33kV	No.	279526	99	122
112	15.7	11kV XLPE UG cable as per Technical specification 1x1000 sq.mm aluminum Conductor, armoured cable	Km		1280986	
		Cable termination Kits (Pot heads suitabel for following size cables as per Technical specification				
		1x1000 sq.mm UG cable				
113		Indoor	No.		5323	Refer KPTCL SR
114		Outdoor	No.		6010	Refer KPTCL SR
	16	<u>33 kV 3 Core XLPE UG Insulated Aluminium Cable (FLAT STRIP ARMOUR)</u>				
115	16.1	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	km	287451	1182718	1976731
116	16.2	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	km	287453	1445695	2411431
117	16.3	33 kV 3 Core XLPE UG Cable-240Sq.mm	km	287456	1824306	3032192
118	16.4	33 kV 3 Core XLPE UG Cable-300Sq.mm	km	287457	2047746	3412451
119	16.5	33 kV 3 Core XLPE UG Cable-400Sq.mm	km	287458	2371292	3972217
		<u>33 kV 3 Core XLPE UG Insulated Aluminium Cable (ROUND WIRE ARMOUR)</u>				
120	16.6	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	km		1500446	1921194
121	16.7	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	km		1834923	2362903
122	16.8	33 kV 3 Core XLPE UG Cable-240Sq.mm	km		2315324	3011138
123	16.9	33 kV 3 Core XLPE UG Cable-300Sq.mm	km		2599285	3400061
124	16.10	33 kV 3 Core XLPE UG Cable-400Sq.mm	km		3009111	3963133
	17	<u>33kV Jointing and Cable termination kits for XLPE cable</u>				
	17.1	Heat Shrinkable type transition jointing kit				
125	17.1.1	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	No.	288050	23754	26129
126	17.1.2	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	No.	288052	23754	26129
127	17.1.3	33 kV 3 Core XLPE UG Cable-240Sq.mm	No.	288054	35025	38528
128	17.1.4	33 kV 3 Core XLPE UG Cable-300Sq.mm	No.	288055	35025	38528

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129	17.1.5	33 kV 3 Core XLPE UG Cable-400Sq.mm	No.	288056	40619	44681
	17.2	Heat Shrinkable indoor type cable termination kit				
130	17.2.1	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	No.	288060	6960	7656
131	17.2.2	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	No.	288062	6960	7656
132	17.2.3	33 kV 3 Core XLPE UG Cable-240Sq.mm	No.	288064	9360	10296
133	17.2.4	33 kV 3 Core XLPE UG Cable-300Sq.mm	No.	288065	9360	10296
134	17.2.5	33 kV 3 Core XLPE UG Cable-400Sq.mm	No.	288066	10516	11568
	17.3	Heat Shrinkable outdoor type cable termination kit				
135	17.3.1	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	No.	288070	8160	8976
136	17.3.2	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	No.	288072	8160	8976
137	17.3.3	33 kV 3 Core XLPE UG Cable-240Sq.mm	No.	288074	10200	11220
138	17.3.4	33 kV 3 Core XLPE UG Cable-300Sq.mm	No.	288075	10200	11220
139	17.3.5	33 kV 3 Core XLPE UG Cable-400Sq.mm	No.	288076	12600	13860
	17.4	Heat Shrinkable Straight through jointing kits with Aluminum lugs& ferrules				
140	17.4.1	33 kV 3 Core XLPE UG Cable- 95 Sq.mm	No.	288080	21600	23760
141	17.4.2	33 kV 3 Core XLPE UG Cable- 150 Sq.mm	No.	288082	21600	23760
142	17.4.3	33 kV 3 Core XLPE UG Cable-240Sq.mm	No.	288084	28800	31680
143	17.4.4	33 kV 3 Core XLPE UG Cable-300Sq.mm	No.	288085	28800	31680
144	17.4.5	33 kV 3 Core XLPE UG Cable-400Sq.mm	No.	288086	31800	34980
	18	Miscellaneous Station Materials				
		Fire fighting equipment (Mech) 9.00 Ltr capacity				
145	18.1	Foam type extinguisher (Mech) 9.00 Ltr Capacity	No.		3456	Refer KPTCL SR
146	18.2	Foam type extinguisher (Mech) 45 Ltr Capacity	No.		10436	Refer KPTCL SR
147	18.3	Carbon dioxide type 6 Ltrs capacity	No.		6651	Refer KPTCL SR
		Sand type				Refer KPTCL SR
148	18.4	G.I Bucket 9 Ltr Capacity	No.		425	Refer KPTCL SR
149	18.5	Steel Mounting stand for above buckets (Each stand for 3 buckets)	No.		1688	Refer KPTCL SR
150	18.6	Water type (Gas pressure type) 9 ltrs capacity	No.		2043	Refer KPTCL SR