

KERALA STATE ELECTRICITY BOARD LIMITED

ELECTRICAL SECTION SREEKANDAPURAM

Name of Work : Shifting HT/LT poles and Transformers along Srekandapuram-Chempanthotty
Naduvil road for KIIFB work

Work Code : CW-6647-202324-52

Mode of Execution: CONTRACTOR - ESTIMATED SCHEDULE

LABOURS						
Sl	Key	Description	Rate	UoM	Quantity	Amount
1	171	Fitting one Additional 2.4m/3m Channel cross arm (100x50x6mm), in existing 11kV DP incl. conveyance of materials.	376.00	No	20	7520.00
2	161	Additional rate for excavation of one Earth Pit (2.5m depth) in Hard Laterite.	1157.00	No	5	5785.00
3	174	Fitting one LT 2 line cross arm on HT or LT existing poles incl. fitting insulators and binding the same with LT Line.	93.00	No	26	2418.00
4	120	Fitting and providing one Strut using HT PSC pole incl. digging & back filling pit.	2033.00	No	8	16264.00
5	113	Fitting and erecting one HT A type Pole in position incl. fitting cross arm, digging & back filling pit, drawing earth leads.	2756.00	No	30	82680.00
6	116	Fitting and erecting one HT DP using PSC pole in position incl. fitting 2 channel cross arms, digging & back filling pit, drawing earth leads.	5810.00	No	2	11620.00
7	117	Fitting and erecting one HT DP using A type pole in position incl. fitting 2 channel cross arms, digging & back filling pit, drawing earth leads.	6967.00	No	16	111472.00
8	119	Fitting and providing one HT Stay for 11kV pole incl. digging & back filling pit.	914.00	No	170	155380.00
9	139	Fitting 5 channel cross arms, AB switch, DO fuse, LA, HT & LT connections on existing DP, 3 LT fuses.	7254.00	No	9	65286.00
10	144	Erecting one 100kVA Transformer to existing DP and giving connections, incl. loading & unloading, excluding transportation.	4759.00	No	6	28554.00
11	145	Erecting one 160kVA Transformer to existing DP and giving connections, incl. loading & unloading, excluding transportation.	4919.00	No	2	9838.00
12	148	Erecting one 250kVA Transformer to existing Plinth/Platform and giving	5513.00	No	1	5513.00

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Sl	Key	Description	Rate	UoM	Quantity	Amount
		connections, incl. loading & unloading, excluding transportation.				
13	156	Fitting one additional Fuse unit and giving connection from Transformer to fuse and DB to LT OH line.	233.00	No	33	7689.00
14	157	Providing one Earth using earth pipe incl. digging separate pit at standard distance away from the pole/structure & backfilling.	1508.00	No	100	150800.00
15	160	Additional rate for excavation of one Earth Pit (2.5m depth) in Laterite.	578.00	No	8	4624.00
16	167	Fitting one set AB switch and giving connection	1859.00	No	9	16731.00
17	169	Fitting one Additional V cross arm in existing single pole incl. conveyance of materials.	320.00	No	26	8320.00
18	170	Fitting one Additional 75x40mm, 1.8m Channel cross arm in existing single pole incl. conveyance of materials.	320.00	No	22	7040.00
19	172	Fitting one Additional 2.4m/3m Channel cross arm (75x40x6mm), in existing 11kV DP incl. conveyance of materials.	361.00	No	18	6498.00
20	175	Fitting one LT 4 line cross arm on HT or LT existing poles incl. fitting insulators and binding the same with LT Line.	139.00	No	16	2224.00
21	179	Fitting one additional HT pin with insulator	99.00	No	30	2970.00
22	187	Installing one DTR meter with box on existing channel/angle cross-arm on DP structure and giving connections including conveyance	614.00	No	9	5526.00
23	553	Dismantling one damaged LT PSC/RCC pole after disconnecting stays, strut etc. and stacking the same.	671.00	No	24	16104.00
24	554	Dismantling (without damage) one LT PSC/RCC pole after disconnecting stays, strut etc. and stacking the same.	1280.00	No	63	80640.00
25	559	Dismantling (without damage) one LT PSC/RCC Strut pole incl. removal of clamps and stacking.	1057.00	No	5	5285.00
26	565	Dismantling (without damage) one km LT Sph 2 wire OH line, cross arms, insulators and stacking the conductors in rolls.	4952.00	km	0.3	1485.60
27	566	Dismantling (without damage) one km LT 3ph 4 wire OH line, cross arms, insulators and stacking the conductors in rolls.	9401.00	km	7.8	73327.80
28	567	Dismantling (without damage) one km LT additional conductor line, cross arms,	2230.00	km	8.1	18063.00

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		insulators and stacking the conductors in rolls.				
29	568	Dismantling one section fuse	128.00	No	30	3840.00
30	419	Transferring LT Sph 2/3 wire OH line to newly erected HT/LT pole and refitting all items to the new pole.	585.00	No	34	19890.00
31	420	Transferring LT 3ph 4/5 wire OH line to newly erected HT/LT pole and refitting all items to the new pole.	1183.00	No	18	21294.00
32	451	Dismantling and reconnecting Sph service connection from the OH line incl. lowering down the WP portion.	64.00	No	370	23680.00
33	452	Dismantling and reconnecting 3ph service connection from the OH line incl. lowering down the WP portion.	99.00	No	35	3465.00
34	204	Erecting one LT PSC Pole in position incl. digging & back filling pit.	1342.00	No	65	87230.00
35	205	Providing Stay for LT poles incl. digging & back filling pit.	625.00	No	41	25625.00
36	610	Dismantling one ordinary street light/CFL/LED fitting from existing pole and refitting the same on newly erected pole and reconnecting.	327.00	No	78	25506.00
37	712	Dismantling one Transformer above 160kVA from plinth and loading to vehicle incl. disconnecting HT/LT/Earth connections.	1616.00	No	1	1616.00
38	951	Constructing Transformer plinth inclusive of cost of all materials (as per specification).	37446.00	No	1	37446.00
39	952	Providing concrete muffing (0.45x0.45x1.5m) inclusive of cost of all material (as per specification).	3802.00	No	62	235724.00
40	214	Stringing one km LT 3ph 4 wire line (Rabbit for Ph, Weasel for N) incl. fitting cross arm etc. removing touchings and conveyance of materials.	21250.00	km	0.5	10625.00
41	213	Stringing one km LT Sph 3 wire line (Rabbit for Ph&N, Weasel for St.main) incl. fitting cross arm etc. removing touchings and conveyance of materials.	15798.00	km	0.3	4739.40
42	206	Providing Strut using LT PSC pole incl. digging & back filling pit.	1256.00	No	5	6280.00
43	208	Additional rate for excavation of one Pit for LT Pole/LT Stay in Laterite.	145.00	No	12	1740.00
44	209	Additional rate for excavation of one Pit for LT Pole/LT Stay in Hard Laterite.	289.00	No	7	2023.00
45	215	Stringing one km LT 3ph 5 wire line (Rabbit for Ph and Weasel for N&St.main) incl. fitting cross arm etc.	25771.00	km	7.8	201013.80

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Sl	Key	Description	Rate	UoM	Quantity	Amount
		removing touchings and conveyance of materials.				
46	266	Providing WP support with PSC pole incl. digging & back filling pit.	1293.00	No	15	19395.00
47	122	Fitting and providing one HT Fly stay for 11kV pole using HT PSC pole incl. digging & back filling pits.	3197.00	No	13	41561.00
48	127	Additional rate for excavation of one Pit for HT Pole/HT Stay in Laterite.	289.00	No	24	6936.00
49	128	Additional rate for excavation of one Pit for HT Pole/HT Stay in Hard Laterite.	578.00	No	15	8670.00
50	131	Additional rate for excavation of Pit for A type pole in Laterite.	434.00	No	12	5208.00
51	132	Additional rate for excavation of Pit for A type pole in Hard Laterite.	867.00	No	10	8670.00
52	135	Stringing of one km 11kV line with ACSR Raccoon (3 conductors) incl. cutting and removing tree branches wherever necessary.	23128.00	km	6	138768.00
53	324	Additional rate for refitting/redoing one Disc set while renewing any type of 11kV cut pole	480.00	No	192	92160.00
54	112	Fitting and erecting one HT PSC Pole in position incl. fitting cross arm, digging & back filling pit, drawing earth leads.	2178.00	No	139	302742.00
55	702	Loading HT PSC pole from the stacking place and unloading the same at work site (transport by vehicle).	507.00	No	37	18759.00
56	703	Loading HT A type pole from the stacking place and unloading the same at work site (transport by vehicle).	603.00	No	33	19899.00
57	706	Loading LT PSC pole from the stacking place and unloading the same at work site (transport by vehicle).	319.00	No	17	5423.00
58	726	Transporting poles by hired vehicle to a distance upto 5km and carrying upto 4 poles excluding loading & unloading.	1428.57	Trip	22	31428.54
59	503	Dismantling one damaged 11kV PSC/RCC pole after disconnecting stays, strut etc. and stacking the same.	1194.00	No	59	70446.00
60	506	Dismantling (without damage) one 11kV A type pole after disconnecting stays, strut etc. and stacking the same.	2082.00	No	29	60378.00
61	512	Dismantling (without damage) one HT PSC/RCC Strut pole incl. removal of clamps and stacking.	1907.00	No	8	15256.00
62	513	Dismantling (without damage) one km 11kV line (3 conductors), cross arm, insulators, disc, rolling the conductor and stacking.	9198.00	km	6	55188.00

LABOURS						
Sl	Key	Description	Rate	UoM	Quantity	Amount
63	516	Dismantling one Channel cross arm from existing DP structure, and bringing back to section store.	188.00	No	116	21808.00
64	517	Dismantling (without damage) one AB switch from existing structure and bringing back to section store.	1115.00	No	9	10035.00
65	520	Dismantling transformer station in DP structure excluding the rate of dismantling earthing	9935.00	No	8	79480.00
66	521	Dismantling transformer station with transformer erected in plinth excluding the rate of dismantling transformer	9484.00	No	1	9484.00
67	363	Drilling hole of various sizes on existing Channel/Cross Arm.	11.00	No	150	1650.00
68	728	Transporting Transformers by hired vehicle upto 5km and upto 2 No. of 63 to 250kVA Transformers / RMUs excluding loading & unloading.	1428.57	Trip	5	7142.85
69	515	Dismantling one V cross arm/Channel cross arm from existing Pole, and bringing back to section store.	128.00	No	28	3584.00
70	221	Fitting one No. Section fuse on LT line with dropping cables, crimping sockets, connecting with bolt&nut etc.	160.00	No	30	4800.00
71	504	Dismantling (without damage) one 11kV PSC/RCC pole after disconnecting stays, strut etc. and stacking the same.	2081.00	No	101	210181.00
Labour Total						2870446.99