

Rubber Park India (P) Ltd.

Detailed Estimate for the construction New 800 kVA USS at Plot No. 76

Sl. No	Description	Unit	Qty	Rate	Total	Reference
1	Supply of out door type 800 kVA, 11 kV/433 V, 3 Phase, 50 Hz, Dyn 11, indoor ONAN type, copper wound distribution Transformer with OFF load tap changing arrangement on HV side in steps of +/- 2.5% & -7.5%, having cable end boxes on both HT and LT side, complete with all accessories i/c filling of filtered dehydrated oil and confirming to IS 2026 (Part 1 to Part 5) & as per specification attached complete in all respects as required at site including loading and unloading, insurance and all labour charges.					
a	Supply	No	1	1800325	1800325	Market rate
b	Installation on suitable concrete foundation (taking delivery from manufactures factory), testing and commissioning	No	1	99018	99017.875	
2	11 kV, 630 MVA, 800A SF6 type, motorised extensible Ring main unit as per the technical specifications including loading and unloading, insurance and all labour charges					
a	Supply	No	1	750000	750000	Market rate
b	Installation on suitable concrete foundation (taking delivery from manufactures factory), testing and commissioning	No	1	41250	41250	
3	433 Volt LT Outdoor type IP 54 class weather proof panel with suitable size aluminum bus bar complete with internal wiring and control MCCBs consisting of 1 number of 1250 A ACB as secondary incomer with microprocessor based O/C, and E/F protections and 2 numbers of 400A, 1 number of 250 A , 5 numbers of 200A MCCBs and three numbers of current transformer of 1250/5 ratio and provision for 1 number of LT TOD energy meter.					
a	Supply	No	1	1127549	1127549.4	Market rate
b	Installation, testing and commissioning	No	1	62015	62015.215	
4	Dismantle the already laid 11 kV, 3 X 300 sq.mm XLPE cable after excavating the soil at a depth of 1 meter from the ground level and shift to RPIL store.	meters	30	416.8722	12506.166	DSR 2016 8.1.2
5	Supply of 11 kV, 3X 300 sq.mm XLPE Al. cable.	meters	80	2090.7	167256	Market rate
6	Laying of 11 kV, 3X 300 sq.mm XLPE power cable in excavated trench at a depth of 1 Metre from the ground level including soil excavation, providing sand and brick protection and cable markers, back filling the trench.	meters	50	359.5173	17975.865	Data arrived from DSR DSR 2016 8.1.2
7	Laying of 11 kV, 3X300 sqmm XLPE power cable direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.	meters	10	416.8722	4168.722	DSR 2016 8.1.2

8	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for 3X 300 sq.mm XLPE Al. cable	Each	4	13239.1896	52956.758	2016, 10.5.4
9	Supply of 400 sq mm A2XFY 1.1 kV LT cable	meters	80	5060	404800	Market rate
10	Laying of 400 Sq mm A2XFY, 1.1 kV LT cable in excavated trench at a depth of 0.75 Meter from the ground level including soil excavation and back filling.	meters	70	346.9272	24284.904	DSR 2016 7.1.4
11	Supplying and making end termination with brass compression gland and aluminium lugs for 400 Sq mm A2XFY cable	set	2	1691.2701	3382.5402	DSR 2016 9.1.31
12	Supply and making outdoor heat shrinkable type straight through cable joint with approved make of kit for 3C X 300 sq mm, 11kV XLPE cable including all accessories, ferrules etc including testing and commissioning.	set	1	14884.296	14884.296	DSR 2016, 10.6.4
13	Supply, providing earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required	set	4	11595.4821	46381.928	DSR 2016, 5.6
14	Supplying and laying 25 mm X 5 mm copper strip at 0.50 meter below ground as strip earth electrode, including connection/terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50 mm)	Meter	20	832.3455	16646.91	DSR 2016, 5.8
15	Civil Works		1	515000.00	515000.00	Estimate enclosed
16	Preparation Drawings / Documents / Getting scheme approval and sanction for energisation including liaison work with Electrical inspectorate. Statutory Fees will be paid by the client on production of receipt.	lum	1	70000	70000	
17	Contingencies	lum	1		156912.05	
	Total				5387313.6	