

## Costing- HVPNL

Sr. No.	Description	Unit	Qty.	Unit cost (In Cr.)	Total cost (In Cr.)	Ref.
1	Establishment Cost of each 220 KV Sub-Station	No.	2	10	20	Sr.-18, Pg-114 (PGCIL DPR)
2	Land Cost of each 220 KV Sub-Station	No.	2	10	20	Tentative cost as per prevailing market rates.
3	220/66 kV, 160 MVA transformer	No.	6	7	42	Sr.-8,9,10 Pg-113 (PGCIL DPR)
4	220 /66 kV, 160 MVA Transformer bay (GIS)	No.	6	9	54	Sr.-19, Pg-114 (PGCIL DPR)
5	220 kV Line bays-(GIS)	No.	8	9	72	Sr.-21, Pg-114 (PGCIL DPR)
6	220 kV Bus Coupler Bay-(GIS)	No.	2	9	18	Sr.-22, Pg-114 (PGCIL DPR)
8	Establishment Cost of each 66 KV Sub-Station	No.	6	2	12	Tentative cost as per prevailing market rates.
9	Land Cost of each 66 KV Sub-Station	No.	6	5	30	Tentative cost as per prevailing market rates.
10	66/11 KV, 25/31.5 MVA T/F	No	24	1.5	36	As per HVPN rates.
11	66 /11 kV, 25/31.5 MVA Transformer bay (GIS)	No.	24	1.5	36	Sr.-3, Pg-118 (PGCIL DPR)
12	66 kV Line bays-(GIS)	No.	44	1.5	66.00	Sr.-3, Pg-118 (PGCIL DPR)
13	66 kV Bus Coupler Bay-(GIS)	No.	8	1.5	12	Sr.-3, Pg-118 (PGCIL DPR)
14	66 KV I/C Bays (GIS)	No	6	1.5	9	Sr.-3, Pg-118 (PGCIL DPR)
15	66 KV Capacitor Bays	No.	6	1.5	9	Sr.-3, Pg-118 (PGCIL DPR)
16	Providing additional 25/31.5 MVA T/Fs	No.	4	1.5	6	As per HVPN rates.

17	11 kV (GIS) panel set comprising of two incomers, two capacitors, two substation & eight VCBs of outgoing feeders.	No.	410	0.08	32.8	As per DHBVN Specs.
18	220 kV M/C line on M/C Towers with HTLS Conductor.	Ckt. Km	8.5	2.6	22.10	
19	220 kV D/C line on Underground XLPE Cable 1000 Sq.mm including laying	Ckt. Km	6	20	120	As per query from cable manufacturer
20	66 kV D/C XLPE underground aluminium 1200 sq. mm cable including laying	Ckt. Km	32.51	2	65.02	As per query from cable manufacturer
21	Replacement of Existing Moose ACSR Conductor with HTLS Conductor.	Ckt Km	2	1.25	2.50	As per query from Conductor manufacturer
22	Dismantlement of Existing AIS 66 KV Sub-Stations at DLF Q-Block and Sec-28, Gurgaon.	No	2	0.5	1	As per HVPN Schedule rates.
23	Creation of 220 KV D/C line with HTLS Conductor.	Ckt. Km	9	1	9	As per HVPN tender rates & Query from conductor manufacturer.
24.	Creation of 220 KV AIS Bays	No	2	3.10	06.20	Sr.-22, Pg-114 (PGCIL DPR)
25.	Creation of 66 KV Bays ( AIS)	No	2	0.60	1.20	
		Total			701.82 say 702 Cr.	