

Estimated Cost of Transmission system**A. Transmission Lines**

Voltage	Line length in Ckt-Km	Cost per Ckt-Km	Total cost
220 kv linesD/C	1129.2	20.00	22584.00
220 kv linesS/C	147.64	29.00	4281.56
132 kv lines D/C	2193.72	15.00	32905.80
132 kv lines S/C	1071.03	22.00	23562.66
Total			83334.02

B. Bays

Voltage	Number of Bays	Cost per Bay	Total cost
220 kv Bays	34	140	4760.00
132 kv Bays	212	100	21200.00
Total			25960.00

C. Transformers

Capacity/Type of Transformer	Voltage Ratio in KV	Qty.	Rate	Total cost
150 MVA ATR	220/132	4	300	1200.00
50 MVA Power	220/33	3	215	645.00
50 MVA Power	132/33	26	150	3900.00
80 MVA Power	132/33	6	225	1350.00
31.5 MVA Power	132/33	6	95	570.00
20 MVA Power	132/33	6	65	390.00
10 MVA Power	132/33	2	35	70.00
35 MVA Power	220/33	1	150	150.00
Total				8275.00

D. Total Estimated Cost of Transmission System (A+B+C)	117569.02
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Estimated Cost of Distribution system

Cost in Rs. Lakh

A. Distribution Lines

Voltage	Line length in Ckt-Km	Cost per Ckt-Km	Total cost
220 kv linesD/C	18	20.00	360.00
132 kv lines D/C	60	15.00	900.00
132 kv lines S/C	9	22.00	198.00
33 kv lines D / C	668.222	9.50	6348.11
33 kv lines S / C	388.3695	13.00	5048.80
Total			12854.91

B. Bays

Voltage	Number of Bays	Cost per Bay	Total cost
220 kv Bays	3	140	420.00
132 kv Bays	1	100	100.00
33 Kv bays	204	14	2856.00
Total			3376.00

C. Terminal Arrangement

Terminal Equipments	Number of Term. Equip	Cost per Term. Equip	Total cost
220 Kv bay - DVC end	1	25	25.00
132 Kv bay - DVC end	11	17	187.00
132 Kv bay - Consumer end	2	9.5	19.00
33 Kv bay - DVC end	45	10.5	472.50
33 Kv bay - Consumer end	58	7.67	444.86
Total			1148.36

D. Total Estimated Cost of Distribution System (A+B+C)	17379.27
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T & D Ratio with respect to Estimated Cost components: 87:13