



संख्या 87 /रेस्पो/क्वालिटी सेल

दिनांक : 17 दिसम्बर, 2025

विषय : Uniform Estimates निर्धारित किये जाने के सम्बन्ध में।

निदेशक (तकनीकी),

विद्युत वितरण निगम लि0,

पूर्वांचल-वाराणसी/मध्यांचल-लखनऊ/

दक्षिणांचल-आगरा/पश्चिमांचल-मेरठ/

केरको-कानपुर।

महोदय,

कृपया कारपोरेशन के पत्र सं0-228/रेस्पो/क्वालिटी सेल दिनांक 30.01.2025 का संदर्भ ग्रहण करने का कष्ट करें, जिसके माध्यम से समस्त वितरण निगमों के अन्तर्गत तैयार किये जा रहे प्राक्कलनों में समरूपता के दृष्टिगत कारपोरेशन स्तर से उपलब्ध कराये गये Uniform Estimates के आधार पर प्राक्कलन तैयार किये जाने हेतु निर्देशित किया गया था।

अवगत कराना है कि कारपोरेशन ज्ञाप सं0-241/सी0एम0य०(डी0)/एस0ई0-1/2024 दिनांक 25.10.2024 (प्रति संलग्न) के माध्यम से Received Back Material हेतु नीति लागू कर दी गई है, जिसके क्रम में पॉवर एवं वितरण परिवर्तकों की क्षमतावृद्धि से सम्बन्धित प्राक्कलनों को संशोधित कर लिया गया है एवं सलग्न कर इस आशय के साथ प्रेषित हैं कि वितरण निगमों के अन्तर्गत तैयार किये जा रहे क्षमतावृद्धि से सम्बन्धित प्राक्कलनों को संलग्न Uniform Estimates के आधार पर ही तैयार किया जाना सुनिश्चित किया जाए।

संलग्नक :- यथोपरि।

भवदीय,

(ज्ञानेन्द्र धर द्विवेदी)
निदेशक (वितरण)

प्रतिलिपि :-

1. अध्यक्ष, उ0प्र0 पावर कारपोरेशन लि0, शक्ति भवन, लखनऊ।
2. प्रबन्ध निदेशक, उ0प्र0 पावर कारपोरेशन लि0, शक्ति भवन, लखनऊ।
3. प्रबन्ध निदेशक, विद्युत वितरण निगम लि0, पूर्वांचल-वाराणसी/मध्यांचल-लखनऊ/दक्षिणांचल-आगरा/पश्चिमांचल-मेरठ/केरको-कानपुर।
4. समस्त मुख्य अभियन्ता (वितरण), विद्युत वितरण निगम लि0, पूर्वांचल-वाराणसी/मध्यांचल-लखनऊ/दक्षिणांचल - आगरा/पश्चिमांचल-मेरठ/केरको-कानपुर।
5. समस्त अधीक्षण अभियन्ता (वितरण/कार्य), विद्युत वितरण निगम लि0, पूर्वांचल-वाराणसी/मध्यांचल-लखनऊ/दक्षिणांचल-आगरा/पश्चिमांचल-मेरठ/केरको-कानपुर।
6. समस्त अधिशासी अभियन्ता (वितरण/कार्य/परीक्षण), विद्युत वितरण निगम लि0, पूर्वांचल-वाराणसी/मध्यांचल-लखनऊ/दक्षिणांचल-आगरा/पश्चिमांचल-मेरठ/केरको-कानपुर।

Estimate for Increasing capacity of 11/0.4 KV Substation 25 KVA to 63 KVA by using old and used 63 kVA T/F

S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	11/0.4 KV T/F 63 KVA (old & used)	Nos.	1	0.00	0
2	LT PVC Cable 3.5x70/35 sq mm	Mtr.	8	270	2160
3	LT Fuse Set	Nos.	1	4000	4000
4	Earthing Complete	Nos.	1	664	664
5	Danger baord Barbed wire including jumper	Nos.	1	1702	1702
		Total (P)		Rs.	8526
		Cost of Material Excl GST (A)		7,225.42	
		Cartage Charges on A @ 15% (B)		1,083.81	
		GST on B @18% (C)		195.09	
		Total (P+B+C=D)		9,804.90	
		Contingency Charges on (D) @ 3% Rs. (E)		294.15	
		T&P Charges on (D) @ 1.5% Rs. (F)		147.07	
		Total (D+E+F=G)		10,246.12	
		Say Rs.		10,246.00	
1	Received Back Material 25 KVA T/F	Nos.	1	1 no. 25 kVA DT shall be returned to Store	
				Total G	10,246.00

Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials (earthing, fuse set, LT cable etc.) may change, and additional materials may also be required as per site requirements. The return of materials shall be proposed strictly in accordance with the process and standards specified in the estimate.

**Estimate for Increasing capacity of 11/0.4 KV Substation 63 KVA to 100 KVA by using old and used
100 kVA T/F**

S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	11/0.4 KV T/F 100 KVA (old & used)	Nos.	1	0.00	0
2	LT PVC Cable 3.5x150/70 sq mm	Mtr.	8	516.00	4128
3	LT Fuse Set	Nos.	1	4000	4000
4	Earthing Complete	Nos.	1	664	664
5	Danger baord Barbed wire including jumper	Nos.	1	1,702.00	1702
			Total (P)	Rs.	10494
	Cost of Material Excl GST (A)				8,893.22
	Cartage Charges on A @ 15% (B)				1,333.98
	GST on B @18% (C)				240.12
	Total (P+B+C=D)				12,068.10
	Contingency Charges on (D) @ 3% Rs. (E)				362.04
	T&P Charges on (D) @ 1.5% Rs. (F)				181.02
	Total (D+E+F=G)				12,611.16
				Say Rs.	12,611.00
1	Received Back Material 63 KVA T/F	Nos.	1	1 no. 63 kVA DT shall be returned to Store	
				Total G	12,611.00
<p>Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials (earthing, fuse set, LT cable etc.) may change, and additional materials may also be required as per site requirements. The return of materials shall be proposed strictly in accordance with the process and standards specified in the estimate.</p>					

Estimate for Increasing capacity of 11/0.4 KV Substation 100 KVA to 250 KVA by using old & used 250 kVA T/F

S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	11/0.4 KV T/F 250 KVA (old & used)	Nos.	1	0.00	0.00
2	PCC Pole 11 Mtr. Long	Nos.	2	7500	15,000.00
3	MS Channel (Dropper) 100x50x2028mm	Nos.	2	905	1,810.00
4	Stone pad 300x300x75mm	Nos.	2	168	336.00
5	Clamps for LT T-off with bolts & Nuts	Nos.	1	363	363.00
6	Holding clamps for top channel TPMO &	Nos.	12	325	3,900.00
7	MS Top channel (125x65x2240mm)	Nos.	1	1007	1,007.00
8	11 KV Disc Insulator T&C type 4500kg.	Nos.	3	121.50	364.50
9	11 KV Disc fitting	Nos.	3	119.63	358.89
10	MS Channel 125x65x1300mm (T-off)	Nos.	1	579	579.00
11	11 KV Pin insulator (Polymeric)	Nos.	3	157.21	471.63
12	11 KV TPMO	Nos.	1	8216.00	8,216.00
13	11 KV fuse Set	Nos.	1	2458.76	2,458.76
14	LT incoming panel with metering equipment & fixing arrangement (LS)	Nos.	1	20000	20,000.00
15	Copper L-piece 50x225x10mm (LS)	Nos.	4	1210	4,840.00
16	Copper L-piece 62x225x12 mm (LS)	Nos.	4	1320	5,280.00
17	LT PVC Cable Al 3.5x400 sq mm	Mtr.	15	1447	21,705.00
18	LT PVC Cable Al 1x400 sq mm	Mtr.	20	382	7,640.00
19	LT PVC Cable Al 1x240sq mm	Mtr.	50	235	11,750.00
20	Al Leg long barrel off size (LS)	Nos.	32	60	1,920.00
21	Henley Type Tailless Unit for 250 kVA	Nos.	1	56000	56,000.00
22	Danger baord Barbed wire including	Nos.	1	1702	1,702.00
23	Stay set Complete 16x1800	Nos.	2	522.99	1,045.98
24	Concreting of poles	Nos.	2	942	1,884.00
25	Earthing of pole by MS earthing rod of	Nos.	2	922	1,844.00
26	Red oxide paint	Lt.	2	192	384.00
27	Aluminium paint	Lt.	2	268	536.00
28	Plinth for size 2x2x1.5M	Nos.	1	18379	18,379.00
				Total (P)	Rs. 1,89,774.76
				Cost of Material Excl GST (A)	1,60,826.07
				Cartage Charges on A @ 15% (B)	24,123.91
				GST on B @18% (C)	4,342.30
				Total (P+B+C=D)	2,18,240.97
				Contingency Charges on (D) @ 3% Rs. (E)	6,547.23
				T&P Charges on (D) @ 1.5% Rs. (F)	3,273.61
				Total (D+E+F=G)	2,28,061.82
				Say Rs.	2,28,061.00
1	Received Back Material 100 KVA T/F	Nos.	1	1 no. 100 kVA DT shall be returned to Store	
				Total G	2,28,061.00

Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials (earthing, Tailless Units, LT cable etc.) may change, and additional materials may also be required as per site requirements. The return of materials shall be proposed strictly in accordance with the process and standards specified in the estimate.

Estimate for Increasing capacity of 11/0.4 KV Substation 250 KVA to 400 KVA by using old & used 400 kVA T/F

S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	11/0.4 KV T/F 400 KVA (old & used)	Nos	1	0.00	0
2	Copper L-piece 50x225x10mm (LS)	Nos	4	1,210.00	4840
3	Copper L-piece 62x225x12 mm (LS)	Nos	4	1,320.00	5280
4	Henley Type Tailless Unit for 400 kVA	Nos	1	56,000.00	56000
5	LT PVC Cable Al 1x400 sq mm	Mtr	30	382.00	11460
6	LT PVC Cable Al 1x240sq mm	Mtr	15	235.00	3525
7	Al Leg long barrel off size (LS)	Nos	32	60.00	1920
			Total (P)	Rs.	83025
				Cost of Material Excl GST (A)	70,360.17
				Cartage Charges on A @ 15% (B)	10,554.03
				GST on B @18% (C)	1,899.72
				Total (P+B+C=D)	95,478.75
				Contingency Charges on (D) @ 3% Rs. (E)	2,864.36
				T&P Charges on (D) @ 1.5% Rs. (F)	1,432.18
				Total (D+E+F=G)	99,775.29
				Say Rs.	99,775.00
1	Received Back Material 250 KVA T/F	Nos	1	1 no. 250 kVA DT shall be returned to Store	
				Total G	99,775.00
<p>Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials (earthing, Tailless Units, LT cable etc.) may change, and additional materials may also be required as per site requirements. The return of materials shall be proposed strictly in accordance with the process and standards specified in the estimate.</p>					

Estimate for Increasing Capacity of 33/11 KV Substation from 2x5 MVA to 5+10 MVA					
S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	33/11 KV 10 MVA Transformer	Nos.	1	9350570.53	9350570.53
2	Water Level T/F Neutral and Body Earthing	Nos.	2	20,000.00	40000.00
3	M.S. Nut Bolt off size with washer	Kg.	2	220.00	440.00
4	Repairing of Plinth for Power Transformer	No.	1	25,000.00	25000.00
5	Dismantling of old Transformer from plinth and kept aside in switchyard	No	1	40,000.00	40000.00
6	Hiring of D/G Set 63 KVA 3 Phase for Testing	Per/Day	1	10,000.00	10000.00
		Total (P)		Rs.	9466010.53
		Cost of Material Excl GST (A)		(A)	8022042.82
		GST on Sl. No. 2 to 6 @ 18% on (C)			20,779.20
		Total (P+B+C=D)			94,86,789.73
		Labour Cess @1% On D= (E)			94,867.90
		Contingency Charges on (D) @ 3% Rs.F			284603.6919
		T&P Charges on (D) @ 1.5% Rs. (G)			142301.846
		Total (D+E+F+G=H)			1,00,08,563.17
Receipt Back of Material from Site					
1	33/11 KV 5 MVA Transformer	No.	1	1 no. 5MVA PT shall be returned to Store	
				Total(I)	1,00,08,563.17
				Say Rs.	1,00,08,563.00
<p>Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials may change, and additional materials may also be required as per site requirements. The return of materials shall be proposed strictly in accordance with the process and standards specified in the estimate.</p>					

Estimate for Increasing Capacity of 33/11 KV Substation by installing Addl 5 MVA (Old & used)

S.No.	Descriptions	Unit	Qty.	Rate (Inclusive GST)	Amount
1	33/11 KV 5 MVA Transformer (old & used)	Nos.	1	0.00	0.00
2	3x300 mm ² , 11 KV XLPE Cable	mtr	100	1,501.63	1,50,163.42
3	11 KV cable jointing kit 3x300 mm outdoor heat shrinkable Type	No.	2	5,634.82	11,269.64
4	11 KV cable jointing kit 3x300mm indoor heat shrinkable Type	No.	2	5,149.15	10,298.30
5	33 KV VCB 1250A, 750 MVA with Steel Structure	No.	1	2,72,258.00	2,72,258.00
6	Plinth & foundation of VCB	No.	1	27,832.00	27,832.00
7	11 KV VCB (Out going) 200/100/5A 350 MVA	No.	2	3,43,431.12	6,86,862.24
8	11 KV VCB 600/300/5A , 350 MVA I/C	No	1	4,07,039.78	4,07,039.78
9	11 KV Bus Coupler	No	1	3,29,546.00	3,29,546.00
10	11 KV 3x185 mm ² XLPE Cable	Mtr.	60	1,024.40	61,463.96
11	11 KV cable jointing kit 3x185 mm outdoor heat shrinkable Type	No.	4	5,103.48	20,413.92
12	11 KV cable jointing kit 3x185 mm Indoor heat shrinkable Type	No.	4	5,149.15	20,596.60
13	Making of 11 KV Cable Box and mounting on Switch Gear and Transformer	No.	8	23,385.00	1,87,080.00
14	2x2.5 mm ² Control Cable	Mtr	200	98.45	19,689.40
15	4x2.5 mm ² Control Cable	Mtr	200	115.46	23,092.60
16	Laying of various typt of control cables	Mtr	400	100.00	40,000.00
17	Water Level T/F Neutral and Body Earthing	No	6	20,000.00	1,20,000.00
18	GI pipe 50 mm dia (3 Mtr long) over the 3x300/185 sqmm XLPE	Mtr	9	700.00	6,300.00
19	Holding Clamp for 3x300 XLPE 11 KV Cable	No.	8	213.00	1,704.00
20	M.S. Nut Bolt off size with washer	Kg.	4	196.00	784.00
21	Digging & Laying of 11 KV Cable including cost of sand & Bricks	Mtr.	135	250.00	33,750.00
22	Structure For cable support & "L" Type Structure for Neutral	Job	1	5,000.00	5,000.00
23	Plinth for New 5 MVA Transformer	No.	1	1,48,167.00	1,48,167.00
24	Double Pole Structure 11 Mtr STP Pole As per Annexure	No	1	73,528.00	73,528.00
25	33 KV LA	No	3	5,089.00	15,267.00
26	Structure of 33 KV LA (125x65x6MM G.I Channel)	No	1	9,558.00	9,558.00
27	33 KV C.T 400/200/1A or 200/100/1A	No	3	26,124.48	78,373.44
28	Structure of 33 KV CT (125x65x6MM G.I Channel)	No	1	11,469.00	11,469.00
29	33 KV Fuse Set	No	1	13,177.37	13,177.37
30	33 KV Bus Isolator	No	1	38,491.02	38,491.02
31	Structure of 33 KV Bus Isolator (125x65x6MM G.I Channel)	No	1	23,865.00	23,865.00
32	ACSR Dog Conductor	Mtr	100	98.820	9,882.01
33	33 KV Post Insulator	No	6	632.27	3,793.62
34	Structure of 33 KV Post Insulator (125x65x6MM G.I Channel)	No	2	11,469.00	22,938.00
35	Control Panel I/C for 33KV Single T/F	No	1	1,41,354.00	1,41,354.00
36	24 Volt Battery & Battery Charger	Set	1	1,24,276.00	1,24,276.00
37	P.G Clamp For Dog to Panthar	No	12	300.00	3,600.00
38	Outdor Earthing (Eartmat, Delta)	No	0.5	5,60,458.00	2,80,229.00
39	Indor Equipment Earthing	No	0.5	39,054.00	19,527.00
40	Control Cable Tranch	Mtr.	40.0	1,452.00	58,080.00
41	SSO Approach Road	Mtr.	40.0	2,288.00	91,520.00
42	Copper Bus Bar 2.4 mtr Long	No	3.0	6,000.00	18,000.00
43	Construction of Fire Wall between Transformers	Job	1.0	1,15,000.00	1,15,000.00
				Total (P)	Rs. 37,35,239.31
				Cost of Material Excl GST (A)	31,65,457.05
				Cartage Charges on A @ 7% (B)	2,21,581.99
				GST on B @18% (C)	39,884.76
				Total (P+B+C=D)	39,96,706.07
				Contingency Charges on (D) @ 3% Rs. (E)	1,19,901.18
				T&P Charges on (D) @ 1.5% Rs. (F)	59,950.59
				Total (D+E+F=G)	41,76,557.84
				Say Rs.	41,76,557.00

Note: The above estimate has been prepared as an example for the Business Plan works and is only indicative in nature. The quantities of materials shown are illustrative and may vary depending on site conditions. The type and quantity of materials may change, and additional materials may also be required as per site requirements.