उत्तर प्रदेश पॉवर कॉरपोरेशन लि0

कॉस्ट शेडयूल
2025–26

ग्रामीण विद्युतीकरण एवं द्वितीय प्रणाली नियोजन संगठन
9वाँ तल, शक्ति भवन विस्तार
लखनऊ

Rural Electrification & Secondary System Planning Organization
U.P.P.C.L. Shakti Bhawan Extn.
14- Ashok Marg, Lucknow.

No. 1945 /RESSPO/ CS(2025-26) Date: 14/08/, 2025

OFFICE MEMORANDUM

In supersession of all previous orders for the construction of 33 kV, 11 kV and LT lines, 11/0.4 kV sub-stations up to 400 kVA, 33/11 kV new Sub-stations, increasing capacity of 33/11 kV Sub-stations and HVDS system, the Cost Schedule, to be in effect till further order, has been revised as per enclosed schedules:-

1. The rates (incl. GST) of centralized, de-centralized and civil materials are as per new stock issue rates for the year 2025-26 as intimated vide letter No.-801/सी0एम0यू0डी0 / SIR(2025-26) dt. 22.04.2025 and finalized as per OM no.-179 / रेस्पो / क्वालिटी सेल / विविध dt. 05.02.2024.
2. The items whose rates are not available, as per RDSS guidelines by Ministry of Power (GoI), are considered with 5% escalation from previous cost schedule.
3. The rates of cartage and erection have been taken as 7% and 8% respectively in case of LT, 11 kV and 33 kV lines and 3% and 4% respectively in case of construction of 33/11 kV Sub-station, as approved in previous cost schedule. These may vary from area to area and the actual figures may be worked out at zonal level for adoption.
4. The total cost given in these schedules is inclusive of 3% Contingency, 1.5% T&P and 13.5% Establishment Audit & Accounts charges.
5. **i)** Cost of materials (col. 3 of each abstract) is inclusive of GST, as applicable, which is paid by Discoms while procuring material.
   ii) GST shall further be applicable on the total/final estimated cost for deposit works (i.e. construction/shifting of lines/transformers etc.) of individual/institutional/organizational consumers.
6. **i)** The estimates prepared for tendering purpose under Business Plan and the proposals of budgetary capital works shall not include the Establishment Audit & Accounts Charges.
   ii) If any old and used material is to be used in Capital works, the cost of such material shall not be included in the estimate. For capitalization, Written-down Value (W.D.V) of such material shall be used.
   (Refer OM no.-I/5697/2025-कार्य / चौदह–पाकालि / 2025–40–के / 2021 dt. 27.02.2025)
7. The Cost Schedule shall be used for preparation of estimates of schemes/projects only. The estimates should be prepared in the BoQs as per the requirement of Discoms.
8. The actual issue of material from stores shall be based on the rate (moving average) for each item in ERP. Under no situation should the Stock Issue Rates as per Cost Schedule be used for actual issue of material.

9. In case of any difference between Cost Schedule & Cost Data Book, consumers will be charged as per latest Cost Data Book, while for other purposes, estimation will be done as per Cost Schedule.

Encl: Cost Schedule for FY 2025-26.

(Sanjeev Kumar Vaish)
Chief Engineer (RESSPO)

No. 1945 / RESSPO/ CS(2025-26) dt.: 14/08/2025

Copy along with a set of cost schedules forwarded to the following:-

1. Managing Director, Vidyut Vitaran Nigam Ltd., Purvanchal-Varanasi/Madhyanchal-Lucknow/Dakshinanchal-Agra/Paschimanchal-Meerut/ KESCo-Kanpur.
2. Director (Technical), Vidyut Vitaran Nigam Ltd., Purvanchal-Varanasi/Madhyanchal-Lucknow/Dakshinanchal-Agra/Paschimanchal-Meerut/ KESCo-Kanpur.
3. CE (Commercial)/ CE (CMU-D), UPPCL, Lucknow.
4. All Chief Engineers-Distribution Zones, UPPCL with the remark that Cost Schedule may be distributed to the Circles/Divisions at their end.
5. GM (Audit and Accounts/Budget and Cost), UPPCL, Lucknow.
6. Superintending Engineer (IT), with the remark that the copy of Cost Schedule may be uploaded on UPPCL website.

(Sanjeev Kumar Vaish)
Chief Engineer (RESSPO)

INDEX

PART - A

ABSTRACT OF VARIOUS TYPES OF 11 kV & LT LINES

Plains : 2025-26

Sl. No.	Particulars		Cost of material (Incl. GST)	Cartage charges on non-GST material cost (7%)	Erection charges on non-GST material cost (8%)	Total of Col. 4 & 5	GST @ 18% on col. 6	Total of Col. 3,6&7	3% Contingency charges on Col. 8	1.5% T&P charges on Col. 8	Total of Col. 8+9+10	13.5% of Esttb. & AA Charges on Col. 11	Total of Col. 11&12	Total (Say)	References
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15
A.	LINES (Per Kilometer)														
(i)	11 kV Lines (Overhead)														
1	11 kV Main line with ACSR Rabbit on ST Pole		597360.00	35440.00	40500.00	**75940.00**	13669.20	**686969.20**	20609.00	10305.00	**717883.20**	96914.00	**814797.20**	**814800**	Annexure-1
2	11 kV Spur Line with ACSR Weasel on ST Pole		527780.00	31310.00	35780.00	**67090.00**	12076.20	**606946.20**	18208.00	9104.00	**634258.20**	85625.00	**719883.20**	**719880**	Annexure-1
3	11 kV Main line with ACSR Rabbit on PCC Pole		339160.00	20120.00	22990.00	**43110.00**	7759.80	**390029.80**	11701.00	5850.00	**407580.80**	55023.00	**462603.80**	**462600**	Annexure-1
4	11 kV Spur Line with ACSR Weasel on PCC Pole		269580.00	15990.00	18280.00	**34270.00**	6168.60	**310018.60**	9301.00	4650.00	**323969.60**	43736.00	**367705.60**	**367710**	Annexure-1
(ii)	11 kV Lines (Underground)														
1	Conventional Method (Straight Through)	11 kV Al. XLPE 3×70 mm²	1369620.00	81250.00	92860.00	**174110.00**	31339.80	**1575069.80**	47252.00	23626.00	**1645947.80**	222203.00	**1868150.80**	**1868150**	Annexure-3
2		11 kV Al. XLPE 3×120 mm²	1654410.00	98140.00	112160.00	**210300.00**	37854.00	**1902564.00**	57077.00	28538.00	**1988179.00**	268404.00	**2256583.00**	**2256580**	Annexure-3
3		11 kV Al. XLPE 3×185 mm²	2013330.00	119430.00	136500.00	**255930.00**	46067.40	**2315327.40**	69460.00	34730.00	**2419517.40**	326635.00	**2746152.40**	**2746150**	Annexure-3
4		11 kV Al. XLPE 3×300 mm²	1933570.00	114700.00	131090.00	**245790.00**	44242.20	**2223602.20**	66708.00	33354.00	**2323664.20**	313695.00	**2637359.20**	**2637360**	Annexure-3
5	HDD Method	11 kV Al. XLPE 3×70 mm²	2230560.00	132320.00	151220.00	**283540.00**	51037.20	**2565137.20**	76954.00	38477.00	**2680568.20**	361877.00	**3042445.20**	**3042450**	Annexure-4
6		11 kV Al. XLPE 3×120 mm²	2516480.00	149280.00	170610.00	**319890.00**	57580.20	**2893950.20**	86819.00	43409.00	**3024178.20**	408264.00	**3432442.20**	**3432440**	Annexure-4
7		11 kV Al. XLPE 3×185 mm²	2875810.00	170600.00	194970.00	**365570.00**	65802.60	**3307182.60**	99215.00	49608.00	**3456005.60**	466561.00	**3922566.60**	**3922570**	Annexure-4
8		11 kV Al. XLPE 3×300 mm²	2797240.00	165940.00	189640.00	**355580.00**	64004.40	**3216824.40**	96505.00	48252.00	**3361581.40**	453813.00	**3815394.40**	**3815390**	Annexure-4

Note :- i) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**
ii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

Sl. No.	Particulars		Cost of material (Incl. GST)	Cartage charges on non-GST material cost (7%)	Erection charges on non-GST material cost (8%)	Total of Col. 4 & 5	GST @ 18% on col. 6	Total of Col. 3,6&7	3% Contingency charges on Col. 8	1.5% T&P charges on Col. 8	Total of Col. 8+9+10	13.5% of Esttb. & AA Charges on Col. 11	Total of Col. 11&12	Total (Say)	References
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15
(iii)	**LT Lines**														
1	3 Phase L.T. Line with ACSR Weasel on PCC Pole		262000.00	15540.00	17760.00	**33300.00**	5994.00	**301294.00**	9039.00	4519.00	**314852.00**	42505.00	**357357.00**	**357360**	Annexure-5
2	3 Phase L.T. Line with ACSR Rabbit on PCC Pole		331600.00	19670.00	22480.00	**42150.00**	7587.00	**381337.00**	11440.00	5720.00	**398497.00**	53797.00	**452294.00**	**452290**	Annexure-5
3	3 Phase L.T Line with AAAC Weasel on PCC Pole		271200.00	16090.00	18390.00	**34480.00**	6206.40	**311886.40**	9357.00	4678.00	**325921.40**	43999.00	**369920.40**	**369920**	Annexure-5
4	3 Phase L.T Line with AAAC Rabbit on PCC Pole		394700.00	23410.00	26760.00	**50170.00**	9030.60	**453900.60**	13617.00	6809.00	**474326.60**	64034.00	**538360.60**	**538360**	Annexure-5
5	1 Phase L.T Line with AAAC Weasel on PCC Pole		173000.00	10260.00	11730.00	**21990.00**	3958.20	**198948.20**	5968.00	2984.00	**207900.20**	28067.00	**235967.20**	**235970**	Annexure-5
6	LT AB Cable	(1x25+1x16) mm² on PCC Pole	274270.00	16270.00	18590.00	**34860.00**	6274.80	**315404.80**	9462.00	4731.00	**329597.80**	44496.00	**374093.80**	**374090**	Annexure-6
7		(3x50+1x35+1x16) mm² on PCC Pole	469180.00	27830.00	31810.00	**59640.00**	10735.20	**539555.20**	16187.00	8093.00	**563835.20**	76118.00	**639953.20**	**639950**	Annexure-6
8		(3x95+1x70+1x16) mm² on ST Pole	994310.00	58980.00	67410.00	**126390.00**	22750.20	**1143450.20**	34304.00	17152.00	**1194906.20**	161312.00	**1356218.20**	**1356220**	Annexure-6
9		(3x120+1x95+1x16) mm² on ST Pole	1253930.00	74390.00	85010.00	**159400.00**	28692.00	**1442022.00**	43261.00	21630.00	**1506913.00**	203433.00	**1710346.00**	**1710350**	Annexure-6
B.	**11/0.433 kV Sub Station (upto 100 kVA)**														
1	25 kVA 11/0.433 kV on Double Pole PCC Structure:-														
	a) Town/Urban		209300.00	12420.00	14190.00	**26610.00**	4789.80	**240699.80**	7221.00	3610.00	**251530.80**	33957.00	**285487.80**	**285490**	Annexure-7
	b) Rural		125600.00	7450.00	8520.00	**15970.00**	2874.60	**144444.60**	4333.00	2167.00	**150944.60**	20378.00	**171322.60**	**171320**	
2	63 kVA 11/0.433 kV on Double Pole PCC Structure:-														
	a) Town/Urban		299000.00	17740.00	20270.00	**38010.00**	6841.80	**343851.80**	10316.00	5158.00	**359325.80**	48509.00	**407834.80**	**407830**	Annexure-7
	b) Rural		212700.00	12620.00	14420.00	**27040.00**	4867.20	**244607.20**	7338.00	3669.00	**255614.20**	34508.00	**290122.20**	**290120**	
3	100 kVA 11/0.433 kV on Double Pole PCC Structure:-														
	a) Town/Urban		355700.00	21100.00	24120.00	**45220.00**	8139.60	**409059.60**	12272.00	6136.00	**427467.60**	57708.00	**485175.60**	**485180**	Annexure-7
	b) Rural		268400.00	15920.00	18200.00	**34120.00**	6141.60	**308661.60**	9260.00	4630.00	**322551.60**	43544.00	**366095.60**	**366100**	

Note :- i) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**
ii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-1

COST ANALYSIS OF ONE KILOMETER OF 11 kV LINES (MAIN & SPUR)

Plains: 2025-26

S.No	Particulars	Unit	Rate (Rs.)	On ST Pole				On PCC Pole			
				Main line with ACSR Rabbit Conductor 17 support/km		Spur line with ACSR Weasel Conductor 17 support/km		Main line with ACSR Rabbit Conductor 17 support/km		Spur line with ACSR Weasel Conductor 17 support/km	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*
1	STP Support 11 Meter long	Nos.	17492	17	297364	17	297364	0	0	0	0
2	PCC Support 8.5 Meter long	Nos.	3012	0	0	0	0	17	51204	17	51204
3	Stone Pad 300x300x75 mm	Nos.	135	0	0	0	0	17	2295	17	2295
4	11 kV V-Type Steel Cross Arm	Nos.	775	17	13175	17	13175	17	13175	17	13175
5	Cross arms holding clamps with bolts & nuts	Nos.	307	17	5219	17	5219	17	5219	17	5219
6	11 kV Pin Insulator	Nos.	145	51	7395	51	7395	51	7395	51	7395
7	11 kV pin with nut	Nos.	62	51	3162	51	3162	51	3162	51	3162
8	F-bracket for fitting top insulator with bolts & nuts	Nos.	374	17	6358	17	6358	17	6358	17	6358
9	Phase wire 50 sq.mm ACSR Rabbit	Kms.	60488	3.09	186908	0	0	3.09	186908	0	0
10	Phase wire 30 sq.mm ACSR Weasel	Kms.	37987	0	0	3.09	117380	0	0	3	117380
11	Aluminium binding wire (6 mm dia)	Kg.	324	2	648	2	648	2	648	2	648
12	Aluminium Jointing sleave for ACSR Rabbit	Nos.	414	3	1242	0	0	3	1242	0	0
13	Aluminium Jointing sleave for ACSR Weasel	Nos.	397	0	0	3	1191	0	0	3	1191
14	Danger Board with clamps & bolts	Nos.	286	17	4862	17	4862	17	4862	17	4862
15	Number Plate with clamps & bolts	Nos.	281	17	4777	17	4777	17	4777	17	4777
16	Aluminium Paint	Ltr.	297	2	594	2	594	2	594	2	594
17	Barbed wire GI	Kg.	117	8	936	8	936	8	936	8	936
18	Extra for stays at angle Location (stay rod 16x1800mm, stay wire 5 kg, stay clamp, bolt & nut with grouting)	Nos.	2157	2	4314	2	4314	2	4314	2	4314
19	Extra for stays at Road crossing (as per sl.no.18)	Nos.	2157	1	2157	1	2157	1	2157	1	2157
20	Extra for sectional STP D/P support (Annexure -2)	Nos.	30950	1	30950	1	30950	0	0	0	0
21	Extra for sectional PCC D/P support (Annexure -2)	Nos.	16610	0	0	0	0	1	16610	1	16610
22	Concreting of support 0.268 cu.mtr./Pole	Nos.	942	17	16014	17	16014	17	16014	17	16014
23	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos.	664	17	11288	17	11288	17	11288	17	11288
Total					**597363**		**527784**		**339158**		**269579**
Total (Say) Rs.					**597360**		**527780**		**339160**		**269580**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-2

COST ANALYSIS OF DOUBLE POLE STRUCTURE WITH PCC/ST POLES FOR 11 kV SECTION LOCATIONS FOR MAIN & SPUR LINES

Plains: 2025-26

Sl.No.	Items	Unit	Rate (Rs.)	On ST Pole		On PCC Pole	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
1	ST Pole 11 M Long	Nos	17492	2	34984		
2	PCC Pole 8.5 M Long	Nos	3012			2	6024
3	Stone Pad 300x300x75mm	Nos	135			2	270
4	MS Channel cross arms 100x50x2240mm(Top Channel)	Nos	1050	1	1050	1	1050
5	M.S. Angle Iron 65x65x6 mm,2700 mm long bracing with 4 clamp	Set	2907	1	2907.45	1	2907
6	Clamps with Nuts & Bolts for top channel	Nos	318	2	636	2	636
7	Aluminium Paint	Ltr.	297	0.25	74	0.25	74
8	Barbed wire GI	Kg.	117	2	234	2	234
9	Danger board & clamps with bolts & nuts	Nos	286	1	286	1	286
10	Concreting of poles (0.268 Cu.m. each)	Nos	942	2	1884	2	1884
11	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos	664	2	1328	2	1328
12	E Bracket with bolts & nuts	Nos	275	3	825	3	825
13	11 kV Disc Insulator T&C type (45 KN)	Nos	271	6	1626	6	1626
14	11 kV Disc fitting (45KN,T&C)	Nos	125	6	750	6	750
15	11 kV Pin Insulator	Nos	145	3	435	3	435
16	11 kV pin with nut	Nos	62	3	186	3	186
17	PG Clamps	Nos	157	6	942	6	942
18	Stay set complete	Nos	506	6	3036	6	3036
	Sub-Total	**(A)**			**51184**		**22493**
	Less (Cost of one ST/PCC Pole with fitting)						
1	ST Pole 11 M Long	Nos	17492	1	17492		
2	PCC Pole 8.5 M Long	Nos	3012			1	3012
3	Stone Pad 300x300x75mm	Nos	135			1	135
4	11 kV V-Type Steel Cross Arm	Nos	775	1	775	1	775
5	Cross arm holding clamps with bolts & nuts	Nos	307	1	307	1	307
6	11 kV Pin Insulator	Nos	145	3	435	3	435
7	11 kV pin with nut	Nos	62	3	186	3	186
8	F-bracket with bolts & nuts	Nos	374	1	374	1	374
9	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos	664	1	664	1	664
	Sub-Total	**(B)**			**20233**		**5888**
	Extra cost of section D/P complete in place of single pole	(A-B)			**30951**		**16605**
	Total			**Say**	**30950**	**Say**	**16610**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-3

COST ANALYSIS OF ONE KILOMETER 11 kV UNDERGROUND LINE/CABLE
(Conventional Method - Straight Through)

Plains: 2025-26

S.No.	Particulars	Unit	Rate (Rs.)	11 kV 3×70 mm²		11 kV 3×120 mm²		11 kV 3×185 mm²		11 kV 3×300 mm²	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*
1	11 kV XLPE cable 3×70 mm²	Km.	688191	1.10	757010						
2	11 kV XLPE cable 3×120 mm²	Km.	946057			1.10	1040663				
3	11 kV XLPE cable 3×185 mm²	Km.	1270565					1.10	1397622		
4	11 kV XLPE cable 3×300 mm²	Km.	1195835							1.10	1315419
5	Cable jointing kit straight through 11 kV 70 mm²	No.	8751	2	17502						
6	Cable jointing kit straight through 11 kV 120 mm²	No.	8897			2	17794				
7	Cable jointing kit straight through 11 kV 185mm²	No.	9454					2	18908		
8	Cable jointing kit straight through 11 kV 300mm²	No.	10112							2	20224
9	Cable jointing kit out door 11 kV 70 mm²	No.	4326	2	8652						
10	Cable jointing kit out door 11 kV 120 mm²	No.	4749			2	9498				
11	Cable jointing kit out door 11 kV 185 mm²	No.	5169					2	10338		
12	Cable jointing kit out door 11 kV 300 mm²	No.	5734							2	11468
13	G.I. Pipe 6" dia	Mtr.	1773	20	35460	20	35460	20	35460	20	35460
14	Cable laying along with cost of digging, bricks & sand (LS)	Mtr.	550	1000	550000	1000	550000	1000	550000	1000	550000
14	Sundry Items (LS)	Nos.	1000	1	1000	1	1000	1	1000	1	1000
Total					**1369624**		**1654415**		**2013328**		**1933571**
Total (Say) Rs.					**1369620**		**1654410**		**2013330**		**1933570**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-4

COST ANALYSIS OF ONE KILOMETER 11 kV UNDERGROUND LINE/CABLE
(HDD Method)

Plains: 2025-26

S.No.	Particulars	Unit	Rate (Rs.)	11 kV 3×70 mm²		11 kV 3×120 mm²		11 kV 3×185 mm²		11 kV 3×300 mm²	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8	9	10	9	10
1	11 kV XLPE cable 3×70 mm²	Km.	688191	1.10	757010						
2	11 kV XLPE cable 3×120 mm²	Km.	946057			1.10	1040663				
3	11 kV XLPE cable 3×185 mm²	Km.	1270565					1.10	1397622		
4	11 kV XLPE cable 3×300 mm²	Km.	1195835							1.10	1315419
5	ST Pole 11 Mtr.	No.	17492	7	122444	7	122444	7	122444	7	122444
6	11 kV V-Type Steel Cross Arm	No.	775	2	1550	2	1550	2	1550	2	1550
7	Cross arms holding clamp	No.	307	2	614	2	614	2	614	2	614
8	Cable jointing kit indoor 11 kV 70 mm²	No.	4007	1	4007						
9	Cable jointing kit indoor 11 kV 120 mm²	No.	4162			1	4162				
10	Cable jointing kit indoor 11 kV 185 mm²	No.	4439					1	4439		
11	Cable jointing kit indoor 11 kV 300 mm²	No.	5238							1	5238
12	Cable jointing kit out door 11 kV 70 mm²	No.	4326	5	21630						
13	Cable jointing kit out door 11 kV 120 mm²	No.	4749			5	23745				
14	Cable jointing kit out door 11 kV 185 mm²	No.	5169					5	25845		
15	Cable jointing kit out door 11 kV 300 mm²	No.	5734							5	28670
16	11 kV Pin Insulator	No.	145	9	1305	9	1305	9	1305	9	1305
17	11 kV Pin with Nut	No.	62	9	558	9	558	9	558	9	558
18	G.I. Pipe 6" dia	Mtr.	1773	100	177300	100	177300	100	177300	100	177300
19	HDPE Pipe 120 mm	Mtr.	473	900	425700	900	425700	900	425700	900	425700
20	Aluminium binding wire 6 SWG	Kg.	342	2	684	2	684	2	684	2	684
21	Danger board with clamp and bolt & nut	No.	286	7	2002	7	2002	7	2002	7	2002
22	Number plate with clamp and bolt & nut	No.	281	7	1967	7	1967	7	1967	7	1967
23	Bolt & Nut all sizes (LS)	Kg.	220	1	220	1	220	1	220	1	220
24	Aluminium paint	Ltr.	297	7	2079	7	2079	7	2079	7	2079
25	Red Oxide paint	Ltr.	220	7	1540	7	1540	7	1540	7	1540
26	Stay set Complete	No.	506	4	2024	4	2024	4	2024	4	2024
27	Concreting of Pole	No.	942	7	6594	7	6594	7	6594	7	6594
28	Earthing Complete	No.	664	2	1328	2	1328	2	1328	2	1328
29	Cable laying by digging/drilling (LS)	Mtr.	700	1000	700000	1000	700000	1000	700000	1000	700000
Total					**2230556**		**2516479**		**2875815**		**2797236**
Total (Say) Rs.					**2230560**		**2516480**		**2875810**		**2797240**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-5

COST ANALYSIS OF ONE KM OF THREE PHASE AND SINGLE PHASE L.T. LINES

Plains: 2025-26

Sl.No	Particulars	Unit	Rate (Rs.)	3 Phase LT Line with ACSR Weasel/Rabbit Conductor on PCC Pole (20 support/Km)				3 Phase LT Line with AAAC Weasel/Rabbit Conductor on PCC Pole (20support/Km)				1-Phase LT Main Line with AAAC Weasel Conductor on PCC Pole (20 support/Km)	
				Weasel		Rabbit		Weasel		Rabbit			
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
1	PCC Support 8.5 M. Long	Nos	3012	20	60240	20	60240	20	60240	20	60240	20	60240
2	Stone Pad 300x300x75mm	Nos	135	20	2700	20	2700	20	2700	20	2700	20	2700
3	LT Clamp with nuts & bolts for PCC Pole with Neutral	Nos	308	80	24640	80	24640	80	24640	80	24640	40	12320
4	Earth wire clamps for PCC Pole	Nos	257	20	5140	20	5140	20	5140	20	5140	20	5140
5	LT Shackle Insulator 100x115 mm	Nos	53	80	4240	80	4240	80	4240	80	4240	40	2120
6	Bolts & nuts for shackle	Kg.	148	30	4440	30	4440	30	4440	30	4440	13	1968
7	LT Shackle strip with bolt & nut for LT section pole	Kg.	137	5	685	5	685	5	685	5	685	2	274
8	Loop Guard complete 3-phase	Nos	183	40	7320	40	7320	40	7320	40	7320	0	0
9	Loop Guard complete1-phase	Nos	47	0	0	0	0	0	0	0	0	40	1880
10	Phase wire ACSR Weasel	Km	37987	3	117380	0	0	3	0	0	0	0	0
11	Phase wire ACSR Rabbit	Km	60488	0	0	3	186908	0	0	0	0		
12	Phase wire AAAC Weasel	Km	36058	0	0	0	0	3	111419	0	0	1	36058
13	Phase wire AAAC Rabbit	Km	76010	0	0	0	0	0	0	3	234869	0	0

A.E. (RESSPO)

S.E. (RESSPO)

Sl.No	Particulars	Unit	Rate (Rs.)	3 Phase LT Line with ACSR Weasel/Rabbit Conductor on PCC Pole (20 support/Km)				3 Phase LT Line with AAAC Weasel/Rabbit Conductor on PCC Pole (20support/Km)				1-Phase LT Main Line with AAAC Weasel Conductor on PCC Pole (20 support/Km)	
				Weasel		Rabbit		Weasel		Rabbit			
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
14	Neutral cum earth wire GI wire 7.16mm or 16SWG	Kg.	95	157	14915	157	14915	157	14915	157	14915	157	14915
15	Aluminium binding wire 6mm	Kg.	324	3	972	3	972	5	1620	5	1620	2	648
16	Aluminium Jointing Sleeve for AAAC conductor Weasel/Rabbit	Kg.	450	0	0	0	0	2	900	2	900	4	1800
17	Aluminium Jointing sleeve for ACSR Conductor Weasel/Rabbit	Kg.	414	3	1242	3	1242	0	0	0	0	0	0
18	Spacer LT PVC	Nos	145	36	5220	36	5220	36	5220	36	5220	36	5220
19	Extra for stays at angle Location (stay rod 16x1800mm, stay wire 5 kg,stay clamp, bolt & nut with grouting)	Nos	2157	3	6471	3	6471	9	19413	9	19413	9	19413
20	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos	664	4	2656	4	2656	4	2656	4	2656	4	2656
21	Concreting of poles (0.268 Cu.m. each)	Nos	942	4	3768	4	3768	6	5652	6	5652	6	5652
Total					**262029**		**331557**		**271200**		**394650**		**173004**
Total (Say)					**262000**		**331600**		**271200**		**394700**		**173000**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-6

COST ANALYSIS OF ONE KILOMETER OF L.T. AB CABLE LINE ON ST/PCC POLE

Plains: 2025-26

S.No.	Particulars	Unit	Rate (Rs.)	LT ABC (1x25+1x16) sq.mm		LT ABC (3x50+1x35+1x16) sq.mm		LT ABC (3x95+1x70+1x16) sq.mm		LT ABC (3x120+1x95+1x16) sq.mm	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12
1	P.C.C. Pole 8.5 Mtr.	No.	3012	34	102408	34	102408				
2	ST Pole 9.0 Mtr.	No.	12984					34	441456		
3	ST Pole 11.0 Mtr.	No.	17492							34	594728
4	Stone Pad 300×300×75 mm	No.	135	34	4590	34	4590				
5	LT ABC (1x25+1x16) sq.mm	Km.	56903	1.1	62593						
6	LT ABC (3x50+1x35+1x16) sq.mm	Km.	222041			1.1	244245.1				
7	LT ABC (3x95+1x70+1x16) sq.mm	Km.	395378					1.1	434915.8		
8	LT ABC (3x120+1x95+1x16) sq.mm	Km.	492056							1.1	541262
9	Suspension Clamp	Kg.	241	34	8194	34	8194	34	8194	34	8194
10	Single Phase Meter Box	No.	221	17	3757						
11	Single Phase Meter Box Clamp	No.	388	34	13192						
12	Three Phase Distribution Box	No.	1401			17	23817	17	23817	17	23817
13	Three Phase Distribution Box Clamp	No.	188			34	6392	34	6392	34	6392
14	PG Clamps	No.	157	17	2669	17	2669	17	2669	17	2669
15	Dead End Clamp	No.	227	8	1816	8	1816	8	1816	8	1816
16	Eye-Hook	No.	201	8	1608	8	1608	8	1608	8	1608
17	J Hook	No.	37	34	1258	34	1258	34	1258	34	1258
18	Neutral cum earth wire	Kg.	95	157	14915	157	14915	157	14915	157	14915
19	Extra for stay at angle Location	No.	2157	8	17256	8	17256	8	17256	8	17256
20	Concreting of pole	No.	942	34	32028	34	32028	34	32028	34	32028
21	Earthing complete	No.	664	7	4648	7	4648	7	4648	7	4648
22	Concreting of Stay	No.	417	8	3336	8	3336	8	3336	8	3336
Total					**274268**		**469180**		**994309**		**1253927**
Total (Say) Rs.					**274270**		**469180**		**994310**		**1253930**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-7

COST ANALYSIS OF 11/0.4 kV SUB-STATION UPTO 100 kVA

Plains: 2025-26

Sl.No.	Particular	Unit	Rate (Rs.)	25 kVA 11/0.4 kV on double pole structure for				63 kVA 11/0.4 kV on double pole structure for				100 kVA 11/0.4 kV on double pole structure for			
				Town/Urban		Rural		Town/Urban		Rural		Town/Urban		Rural	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
1	ST Poles 11 M Long	Nos	17492	2	34984	0	0	2	34984	0	0	2	34984	0	0
2	PCC Poles 8.5 M Long	Nos	3012	0	0	2	6024	0	0	2	6024	0	0	2	6024
3	MS Channel (Dropper) 100X50x2028 mm (for fuse set)	Nos	950	1	950	1	950	2	1901	2	1901	2	1901	2	1901
4	Stone pad 300x300x75mm	Nos	135	0	0	2	270	0	0	2	270	0	0	2	270
5	Clamps for LT T- off with bolts & nuts	Nos	342	1	342	1	342	1	342	1	342	1	342	1	342
6	Holding clamps for top channel TPMO & fuse set etc. with bolts & nuts	Nos	318	10	3180	10	3180	12	3816	12	3816	12	3816	12	3816
7	MS angle 75x75x6x2028 mm with clamp & bolt and nut (T/F base)	Nos	2260	2	4519	2	4519	2	4519	2	4519	2	4519	2	4519
8	M.S. Top Channel (125x65x2240 mm.)	Nos	1057	1	1057	1	1057	1	1057	1	1057	1	1057	1	1057
9	11 kV Disc Insulator T&C type 4500 Kg.	Nos	271	3	813	3	813	3	813	3	813	3	813	3	813
10	11 kV Disc fitting	Nos	125	3	375	3	375	3	375	3	375	3	375	3	375
11	MS Channel 125x65x1300mm (T- off)	Nos	608	1	608	1	608	1	608	1	608	1	608	1	608
12	11 kV Pin insulator	Nos	145	3	435	3	435	3	435	3	435	3	435	3	435
13	11 kV Pin with nut	Nos	62	3	186	3	186	3	186	3	186	3	186	3	186

A.E. (RESSPO)

S.E. (RESSPO)

Sl.No.	Particular	Unit	Rate (Rs.)	25 kVA 11/0.4 kV on double pole structure for				63 kVA 11/0.4 kV on double pole structure for				100 kVA 11/0.4 kV on double pole structure for			
				Town/Urban		Rural		Town/Urban		Rural		Town/Urban		Rural	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
14	11/0.4 kV T/F 25 kVA	Nos	86157	1	86157	1	86157	0	0	0	0	0	0		0
15	11 /0.4kV T/F 63 kVA	Nos	169677	0	0	0	0	1	169677	1	169677	0	0	0	0
16	11/0.4 kV T/F 100 kVA	Nos	224544	0	0	0	0	0	0	0	0	1	224544	1	224544
17	11 kV TPMO	Nos	8257	1	8257	1	8257	1	8257	1	8257	1	8257	1	8257
18	11 kV Fuse Set	Nos	2579	1	2579	1	2579	1	2579	1	2579	1	2579	1	2579
19	LT Fuse Set Protection Unit for 25 kVA DT with SMC Box	Nos	3897	1	3897	1	3897	0	0	0	0	0	0	0	0
20	LT Fuse Set Protection Unit for 63 kVA DT with SMC Box	Nos	4125	0	0	0	0	1	4125	1	4125	0	0	0	0
21	LT Fuse Set Protection Unit for 100 kVA DT with SMC Box	Nos	4383	0	0	0	0	0	0	0	0	1	4383	1	4383
22	LT incoming Panel with metering equipment & fixing arrangement	Nos	53583	1	53583	0	0	1	53583	0	0	1	53583	0	0
23	LT PVC Armoured cable 4x16 sq mm	Mtr.	119	20	2380	8	952	0	0	0	0	0	0	0	0
24	LT PVC Cable 3.5x70/35 Sq.mm	Mtr.	340	0	0	0	0	20	6800	8	2720	0	0	0	0
25	LT PVC Cable 3.5x150/70 Sq.mm	Mtr.	416	0	0	0	0	0	0	0	0	20	8320	8	3328
26	Danger board & clamps with bolts & nuts	Nos	286	1	286	1	286	1	286	1	286	1	286	1	286
27	Barbed wire G.I. including jumper	Kg.	117	4	468	4	468	4	468	4	468	4	468	4	468
28	Stay set complete	Nos	506	2	1012	2	1012	2	1012	2	1012	2	1012	2	1012
29	Concreting of poles (0.268 Cu.m. each)	Nos	942	2	1884	2	1884	2	1884	2	1884	2	1884	2	1884
30	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos	664	2	1328	2	1328	2	1328	2	1328	2	1328	2	1328
Total					**209280**		**125579**		**299035**		**212682**		**355680**		**268415**
Total (Say)					**209300**		**125600**		**299000**		**212700**		**355700**		**268400**

A.E. (RESSPO)

S.E. (RESSPO)

PART- A (1)

ABSTRACT OF VARIOUS TYPE OF 11/0.4 kV SUB-STATION UPTO 400 kVA

Plains: 2025-26
(Rs. in Lacs)

Sl. No.	Name of works	Cost of material (Incl. GST)	Cartage charges on non-GST material cost @ 3%	Erection charges on non-GST material cost @ 4%	Total of Col. 4 & 5	GST @ 18% on col. 6	Total of Col. 3,6&7	3% Contingency charges on Col.8	1.5% T&P charges on Col. 8	Total of Col. 8+9+10	13.5% of Esttb. & AA Charges on Col. 11	Total of Col. 11 & 12	References
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
	11 kV New Sub stations:-												
1	1x250 kVA	9.32	0.24	0.32	**0.55**	0.10	**9.97**	0.30	0.15	**10.42**	1.41	**11.83**	Annexure-7(1)
2	1x400 kVA	13.82	0.35	0.47	**0.82**	0.15	**14.78**	0.44	0.22	**15.45**	2.09	**17.53**	Annexure-7(1)

Note: i) The cartage and erection charges have been taken @ 3% & 4% of the cost of material **(col. 3)** respectively. The actual charges may vary from site to site.
ii) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**
iii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-7(1)

COST ANALYSIS OF 11/0.4 kV SUB-STATION UPTO 400 kVA

Plains: 2025-26

Sl.No	Particulars	Unit	Rate (Rs.)	250 kVA 11/0.4 kV on double pole structure		400 kVA 11/0.4 kV on double pole structure	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
1	STP 11 M Long	Nos	17492	2	34984	2	34984
2	MS Channel (Dropper) 100x50x2028 mm	Nos	950	1	950	2	1901
3	Clamps for LT (T- off) with bolts & nuts	Nos	342	1	342	1	342
4	Holding clamps for top channel TPMO & fuse set etc. with bolts & nuts	Nos	318	12	3816	12	3816
5	MS Top channel (125x65x2240 mm)	Nos	1057	1	1057	1	1057
6	11 kV Disc Insulator T&C type 45 KN	Nos	271	3	813	3	813
7	11 kV Disc fitting	Nos	125	3	375	3	375
8	MS Channel 125x65x1300mm(T- off)	Nos	608	1	608	1	608
9	11 kV Pin insulator	Nos	145	3	435	3	435
10	11 kV Pin with nut	Nos	62	3	186	3	186
11	11/0.4 kV T/F 250 kVA	Nos	651984	1	651984	0	0
12	11 /0.4kV T/F 400 kVA	Nos	1103417	0	0	1	1103417
13	11 kV TPMO	Nos	8257	1	8257	1	8257
14	11 kV Fuse Set	Nos	2579	1	2579	1	2579
15	Henley Type Tailless Unit Protection Cubical Panel 500 A, 650 V for 250 kVA DT	Nos	54964	1	54964	0	0
16	Henley Type Tailless Unit Protection Cubical Panel 500 A, 650 V for 400 kVA DT	Nos	58075	0	0	1	58075
17	LT incoming Panel with metering equipment & fixing arrangement	Nos	53583	1	53583	1	53583
18	Copper L-Piece 50x225x10mm	Nos	1077	4	4308	4	4308

A.E. (RESSPO)

S.E. (RESSPO)

Sl.No	Particulars	Unit	Rate (Rs.)	250 kVA 11/0.4 kV on double pole structure		400 kVA 11/0.4 kV on double pole structure	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
19	Copper L-Piece 62x225x12mm	Nos	693	4	2772	4	2772
20	LT XLPE cable Al. 3.5x400 sq mm	Mtr.	1757	15	26355	0	0
21	LT XLPE cable Al. 1x400 sq mm	Mtr.	478	0	0	30	14340
22	LT XLPE cable Al. 1x240 sq mm	Mtr.	292	0	0	15	4380
23	Al Leg long barrel, off size	Nos	73	24	1752	40	2920
24	4 core LT MCB with box	Nos	14750	1	14750	1	14750
25	Danger board with clamps	Nos	286	1	286	1	286
26	Barbed wire G.I. including jumper	Kg.	117	5	585	5	585
27	Stay set complete	Nos	506	2	1012	2	1012
28	Concreting of poles (0.880 Cu.m.each)	Nos	942	2	1884	2	1884
29	Earthing of pole by MS earthing rod of 20x2500mm & 6SWG earthing wire etc.	Nos	664	2	1328	2	1328
30	Red oxide paint	Lt.	220	2	440	2	440
31	Aluminium paint	Lt.	297	2	594	2	594
32	Plinth for size 2x2x1.5M						
	1) Cement	Bag	395	14	5530	14	5530
	2) Fine Sand	Cu.mtr	1520	3	4560	3	4560
	3) Coarse sand	Cu.mtr	2399	1.2	2879	1.2	2879
	4) Brick Ballast	Cu.mtr	1626	0.45	732	0.45	732
	5) 1st Class Bricks	Per 1000 Nos.	7016	6	42096	6	42096
	6) Stone Ballast (40mm)	Cu.mtr	2191	0.4	876	0.4	876
	7) MS Channel 125x65mm	Kg.	54	48	2570	48	2570
	8) MS Twisted bar of size 20mm	Kg.	56	40	1728	40	2226
Total					**931971**		**1381496**
Total (Say)					**9.32**		**13.82**

A.E. (RESSPO)

S.E. (RESSPO)

PART - B

ABSTRACT OF VARIOUS TYPES OF 33 kV LINES

Plains 2025-26

Rs. in Lacs

Sl. No.	Name of works		Cost of material (Incl. GST)	Cartage charges on non-GST material cost @7%	Erection charges on non-GST material cost @8%	Total of Col. 4 & 5	GST @ 18% on col. 6	Total of Col. 3,6&7	3% Contingency charges on Col. 8	1.5% T&P charges on Col. 8	Total of Col. 8+9+10	13.5% of Esttb. & AA Charges on Col. 11	Total of Col. 11&12	References
1	*2*		*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
(i)	**Overhead (Per Kilometer)**													
1	On 13 M long STP with ACSR Panther conductor		12.24	0.73	0.83	**1.56**	0.28	**14.07**	0.42	0.21	**14.71**	1.99	**16.69**	Annexure-8
2	On 11 M long STP with ACSR Panther conductor		11.02	0.65	0.75	**1.40**	0.25	**12.67**	0.38	0.19	**13.24**	1.79	**15.03**	Annexure-8
3	On 11 M long STP with ACSR Dog conductor		8.16	0.48	0.55	**1.04**	0.19	**9.38**	0.28	0.14	**9.80**	1.32	**11.12**	Annexure-8
4	On 9 M long PCC with ACSR Dog conductor		6.42	0.38	0.44	**0.82**	0.15	**7.39**	0.22	0.11	**7.72**	1.04	**8.76**	Annexure-8
5	On 11 M long STP with ACSR Racoon conductor		7.01	0.42	0.48	**0.89**	0.16	**8.06**	0.24	0.12	**8.42**	1.14	**9.56**	Annexure-8
6	On 9 M long PCC with ACSR Racoon conductor		5.28	0.31	0.36	**0.67**	0.12	**6.07**	0.18	0.09	**6.34**	0.86	**7.20**	Annexure-8
(ii)	**Underground (Per Kilometer)**													
1	Conventional Method (Straight Through)	33 kV Al. XLPE 3×120 mm²	23.29	1.38	1.58	**2.96**	0.53	**26.79**	0.80	0.40	**27.99**	3.78	**31.77**	Annexure-13
2		33 kV Al. XLPE 3×300 mm²	34.92	2.07	2.37	**4.44**	0.80	**40.15**	1.20	0.60	**41.96**	5.66	**47.62**	Annexure-13
3	HDD Method	33 kV Al. XLPE 3×120 mm²	33.66	2.00	2.28	**4.28**	0.77	**38.71**	1.16	0.58	**40.45**	5.46	**45.91**	Annexure-14
4		33 kV Al. XLPE 3×300 mm²	45.31	2.69	3.07	**5.76**	1.04	**52.10**	1.56	0.78	**54.45**	7.35	**61.80**	Annexure-14

Note:- i) The cartage and erection charges have been taken @ 5% &10% of the cost of material respectively. The actual charges may vary from site to site.
ii) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**
iii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-8

COST ANALYSIS OF ONE KILOMETER OF 33 kV LINE WITH ACSR 'PANTHER', ACSR 'DOG' and ACSR 'RACOON' CONDUCTOR

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	ACSR Panther conductor				ACSR Dog conductor				ACSR Racoon conductor			
				On STP 13 Mtr.		On STP 11 Mtr.		On STP 11 Mtr.		On PCC 9 Mtr.		On STP 11 Mtr.		On PCC 9 Mtr.	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
1	Cost of single support														
	STP 13 Mtr. (Annex-9)	Nos	34340	14	480760	0	0	0	0	0	0	0	0	0	0
	STP 11 Mtr. (Annex-9)	Nos	26600	0	0	14	372400	14	372400	0	0	14	372400	0	0
	PCC 9 Mtr. (Annex-10)	Nos	13540	0	0	0	0	0	0	16	216640	0	0	16	216640
2	Extra cost of section and heavy angle points on double pole														
	STP 13 Mtr. (Annex-11)	Nos	48290	0.5	24145		0								
	STP 11 Mtr. (Annex-11)	Nos	40890	0	0	0.5	20445	0.5	20445	0	0	0.5	20445	0	0
	PCC 9 Mtr. (Annex-12)	Nos	27340	0	0	0	0	0	0	0.5	13670	0	0	0.5	13670
3	Extra cost of stay at right angle	Nos	2157	2	4314	2	4314	2	4314	2	4314	2	4314	2	4314
4	ACSR "Panther" conductor	KM	222186	3.09	686555	3.09	686555	0		0		0		0	
5	ACSR "Dog" conductor	KM	126048	0	0	0	0	3.09	389488	3.09	389488	0	0	0	0
6	ACSR "Racoon" conductor	KM	88977	0	0	0	0	0	0	0	0	3.09	274939	3.09	274939
7	Neutral-cum-Earth wire G.I. 6SWG	Kg	95	127	12065	0	0	127	12065	0	0	127	12065	0	0
8	Aluminium jointing sleeves	Nos	414	1	414	3	1242	3	1242	3	1242	3	1242	3	1242
9	Earthing complete	Nos	664	14	9296	16	10624	14	9296	16	10624	14	9296	16	10624
10	Extra cost of Road/communication lines /11 kV lines crossing (LS)	Nos	10000	0.5	5000	0.5	5000	0.5	5000	0.5	5000	0.5	5000	0.5	5000
11	Tree cutting compensation (LS)	KM	1200	1	1200	1	1200	1	1200	1	1200	1	1200	1	1200
	Total (Rs.)				**1223749**		**1101780**		**815450**		**642178**		**700901**		**527629**
	Total (Say) Rs. in Lakhs				**12.24**		**11.02**		**8.16**		**6.42**		**7.01**		**5.28**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-9

COST OF SINGLE LINE SUPPORT ON ST POLE OF 11 METER OR 13 METER (INCLUSIVE OF FITTING)

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	On STP 13 Mtr.		On STP 11 Mtr.	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8
1	13 meter ST Pole - SP-70	No.	25062	1	25062		
2	11 meter ST Pole - SP-55	No.	17492			1	17492
3	33 kV V-Type Steel Cross Arm	No.	1337	1	1337	1	1337
4	Cross arm holding clamps with bolts and nuts	No.	307	1	307	1	307
5	F-bracket for 33 kV	No.	479	1	479	1	479
6	33 kV Pin Insulators	No.	365	3	1095	3	1095
7	33 kV pin with nut	No.	274	3	822	3	822
8	Earth wire clamp with bolts & nuts	No.	257	1	257	1	257
9	Armour rod with ferules	Set	453	3	1359	3	1359
10	Stone pad (300x300x75 mm)	No.	135	1	135	1	135
11	Number plates with clamp and nut & bolt	No.	281	1	281	1	281
12	Danger board with clamp	No.	286	1	286	1	286
13	Barbed wire GI	Kg.	117	2	234	2	234
14	Bolts & Nuts all sizes (LS)	Kg.	220	1	220	1	220
15	Aluminium paint	Ltr	297	1	297	1	297
16	Red oxide paint	Ltr	220	1	220	1	220
17	Aluminium binding wire 6 SWG	Kg.	342	1	342	0.5	171
18	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No.	664	1	664	1	664
19	Concreting of supports (0.268 cu.m/Pole)	No.	942	1	942	1	942
Total					**34339**		**26598**
Total (say)					**34340**		**26600**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-10

COST OF SINGLE LINE SUPPORT ON PCC POLE OF 9 METER (INCLUSIVE OF FITTING)

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6
1	9.0 M long PCC pole	No.	5207	1	5207
2	33 kV V-Type Steel Cross Arm	No.	1337	1	1337
3	Cross arm holding clamp with bolts & nuts	No.	307	1	307
4	F-bracket for 33 kV	No.	479	1	479
5	33 kV Pin Insulators	No.	365	3	1095
6	33 kV pin with nut	No.	274	3	822
7	Armour Rod with Ferules	Set	453	3	1359
8	Stone pad (300x300x75mm)	No.	135	1	135
9	Number plates with clamp for PCC poles	No.	281	1	281
10	Danger board with clamp	No.	286	1	286
11	Barbed wire GI	Kg.	117	2	234
12	Bolts & Nuts all sizes (LS)	Kg.	220	1	220
13	Aluminium binding wire 6 SWG	Kg.	342	0.5	171
14	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No.	664	1	664
15	Concreting of support (0.268 Cub.M/Pole)	No.	942	1	942
Total					**13539**
Total (Say)					**13540**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-11

EXTRA COST OF SECTIONAL DOUBLE POLE STRUCTURE WITH 11 METER OR 13 METER STP IN CASE OF LINE ON STP

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	On STP 13 Mtr.		On STP 11 Mtr.	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
1	13 meter ST Pole - SP-70	No.	25062	2	50124		
2	11 meter ST Pole - SP-55	No.	17492			2	34984
3	M.S. Angle Iron 65x65x6mm, 4300 mm long bracing with clamp	No.	4014	1	4014	1	4014
4	Top channel 125x65mm 3200 mm (10.70 kg/M)	No.	2022	1	2022	1	2022
5	Stone pad (300x300x75mm)	No.	135	2	270	2	270
6	33 kV Disc insulators B&S type 70 KN	No.	303	24	7272	24	7272
7	Disc fittings 7000 kg	No.	354	6	2124	6	2124
8	33 kV Pin Insulators	No.	365	3	1095	3	1095
9	33 kV Pin with nuts	No.	274	3	822	3	822
10	Earth wire clamp with bolts & nuts	No.	257	1	257	1	257
11	PG clamps	No.	157	12	1884	12	1884
12	F-bracket for 33 kV	No.	479	3	1437	3	1437
13	Number plates	No.	281	1	281	1	281
14	Danger board with clamp for 33 kV	No.	286	1	286	1	286
15	Barbed wire GI	Kg.	117	4	468	4	468
16	Aluminium Binding wire-6 SWG	Kg.	342	1	342	1	342
17	Aluminium paint	Ltr.	297	2	594	2	594
18	Bolts & Nuts all sizes (LS)	Kg.	220	3	660	3	660
19	Red oxide paint	Ltr.	220	2	440	2	440
20	Complete Stay Set	No.	711	8	5688	8	5688
21	Concreting of supports (0.268cu.m./Pole)	No.	942	2	1884	2	1884
22	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No.	664	1	664	1	664
Total cost					**82628**		**67488**
Less Cost of single supports as per Annexure-9					**34340**		**26690**
Extra Cost of section double pole in place of single support					**48288**		**40888**
Total (Say)					**48290**		**40890**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-12

EXTRA COST OF SECTIONAL DOUBLE POLE STRUCTURE WITH 9 METER LONG PCC POLE IN CASE OF LINE ON PCC POLE

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6
1	9.0 M long PCC pole	No.	5207	2	10414
2	MS Angle Iron 65x65x6mm bracing with 4 clamps	No.	4014	2	8028
3	Top channel 125x65x 3200 mm with clamp	No.	2022	1	2022
4	Stone pad (300x300x75mm)	No.	135	2	270
5	33 kV Disc insulators B&S type 70 KN	No.	303	24	7272
6	Disc fittings 70 kN	No.	354	6	2124
7	33 kV Pin Insulators	No.	365	3	1095
8	33 kV Pin with nuts	No.	274	3	822
9	Earth wire clamp with bolts & nuts	No.	257	1	257
10	PG clamps	No.	157	12	1884
11	F-bracket for 33 kV	No.	479	3	1437
12	Number plates	No.	281	1	281
13	Danger board with clamp	No.	286	1	286
14	Barbed wire GI	Kg.	117	4	468
15	Aluminium paint	Ltr.	297	1	297
16	Bolts & Nuts all sizes (LS)	Kg.	220	3	660
17	Complete Stay Set	No.	711	1	711
18	Concreting of supports (0.268 cu.m each)	No.	942	2	1884
19	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No.	664	1	664
	Total cost				**40876**
	Less cost for Single pole (Annexure-10)				**13540**
	Extra Cost for sectional double pole in place of single pole				**27336**
	Total (Say)				**27340**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-13

COST ANALYSIS OF ONE KILOMETER 33 kV UNDERGROUND LINE/CABLE
(Conventional Method - Straight Through)

Plains 2025-26

S.No.	Particulars	Unit	Rate (Rs.)	33 kV 3×120 mm²		33 kV 3×300 mm²	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8
1	33 kV XLPE cable 3×120 mm²	Km.	1478027	1.1	1625830		
2	33 kV XLPE cable 3×300 mm²	Km.	2529925			1.1	2782918
3	Cable jointing kit straight through 33 kV 120 mm²	No.	39781	2	79562		
4	Cable jointing kit straight through 33 kV 300 mm²	No.	41275			2	82550
5	Cable jointing kit outdoor 33 kV 120 mm²	No.	18697	2	37394		
6	Cable jointing kit outdoor 33 kV 300 mm²	No.	19816			2	39632
7	G.I. Pipe 6" dia	Mtr.	1773	20	35460	20	35460
8	Cable laying along with cost of digging, bricks & sand (LS)	Mtr.	550	1000	550000	1000	550000
9	Sundry Items (LS)	No.	1000	1	1000	1	1000
Total					**2329246**		**3491560**
Total (Say) Rs. in Lakhs					**23.29**		**34.92**

A.E. (RESSPO)

S.E. (RESSPO)

Annexure-14

COST ANALYSIS OF ONE KILOMETER 33 kV UNDERGROUND LINE/CABLE
(HDD Method)

Plains 2025-26

S.No.	Particulars	Unit	Rate (Rs.)	33 kV 3×120 mm²		33 kV 3×300 mm²	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8
1	33 kV XLPE cable 3×120 mm²	Km.	1478027	1.10	1625829.7		
2	33 kV XLPE cable 3×300 mm²	Km.	2529925			1.10	2782917.5
3	ST Pole 11 Mtr.	No.	17492	7	122444	7	122444
4	33 kV V-type Steel Cross Arm	No.	1337	2	2674	2	2674
5	Cross arms holding clamp	No.	307	2	614	2	614
6	Cable jointing kit indoor 33 kV 120 mm²	No.	15045	1	15045		
7	Cable jointing kit indoor 33 kV 300 mm²	No.	16658			1	16658
8	Cable jointing kit out door 33 kV 120 mm²	No.	18697	5	93485		
9	Cable jointing kit out door 33 kV 300 mm²	No.	19816			5	99080
10	33 kV Pin Insulator	No.	365	9	3285	9	3285
11	33 kV Pin with Nut	No.	274	9	2466	9	2466
12	G.I. Pipe 6" dia	Mtr.	1773	100	177300	100	177300
13	HDPE Pipe 140 mm	Mtr.	671	900	603900	900	603900
14	Aluminum binding wire	Kg.	342	1	342	2	684
15	Danger board with clamp and bolt & nut	No.	286	7	2002	7	2002
16	Number plate with clamp and bolt & nut	No.	281	7	1967	7	1967
17	Bolts & Nuts all sizes (LS)	Kg.	220	1	220	1	220
18	Aluminium paint	Ltr.	297	7	2079	7	2079
19	Red Oxide paint	Ltr.	220	7	1540	7	1540
20	Stay set Complete	No.	711	4	2844	4	2844
21	Concreting of Pole	No.	942	7	6594	7	6594
22	Earthing Complete	No.	664	2	1328	2	1328
23	Cable laying by digging/drilling (LS)	Mtr.	700	1000	700000	1000	700000
Total					**3365958.7**		**4530596.5**
Total (Say) Rs. in Lakhs					**33.66**		**45.31**

A.E. (RESSPO)

S.E. (RESSPO)

PART- C

ABSTRACT OF VARIOUS TYPES OF 33/11 kV SUB-STATION

Plains 2025-26

Rs. in Lacs

Sl. No.	Name of works	Cost of material (Incl. GST)	Cost of civil works (Incl. GST)	Cartage charges on non-GST material cost @ 3%	Erection charges on non-GST material cost @ 4%	Total of Col. 5 & 6	GST @ 18% on col. 7	Total of Col. 3,4,7&8	3% Contingency charges on Col. 9	1.5% T&P charges on Col. 9	Total of Col. 9+10+11	13.5% of Esttb. & AA Charges on Col. 12	Total of Col. 12 & 13	References
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
	33 kV New Sub stations													
1	1x5 MVA	108.05	67.01	2.75	3.66	**6.41**	1.15	**182.62**	5.48	2.74	**190.84**	25.76	**216.60**	Annexure-15
2	2x5 MVA	182.99	67.01	4.65	6.20	**10.86**	1.95	**262.80**	7.88	3.94	**274.63**	37.07	**311.70**	Annexure-15
3	1x8 MVA	117.03	67.01	2.98	3.97	**6.94**	1.25	**192.23**	5.77	2.88	**200.88**	27.12	**228.00**	Annexure-15
4	2x8 MVA	200.95	67.01	5.11	6.81	**11.92**	2.15	**282.02**	8.46	4.23	**294.71**	39.79	**334.49**	Annexure-15
5	1x10 MVA	169.62	67.01	4.31	5.75	**10.06**	1.81	**248.50**	7.46	3.73	**259.68**	35.06	**294.74**	Annexure-15
6	2x10 MVA	306.13	67.01	7.78	10.38	**18.16**	3.27	**394.56**	11.84	5.92	**412.32**	55.66	**467.98**	Annexure-15

Note: i) The cartage and erection charges have been taken @ 3% & 4% of the cost of material respectively. The actual charges may vary from site to site.
ii) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**
iii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

COST ANALYSIS OF 33/11 kV SUB-STATION

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs)	1x5 MVA		2x5 MVA		1x8 MVA		2x8 MVA		1x10 MVA		2x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Terminal Gantry	Nos	230930	1	230930	1	230930	1	230930	1	230930	1	230930	1	230930
2	Main bus bar complete with structure	Nos	422489	1	422489	1	422489	1	422489	1	422489	1	422489	1	422489
3	33 kV Pin insulator	Nos	365	3	1095	3	1095	3	1095	3	1095	3	1095	3	1095
4	33 kV Pin with nut	Nos	274	3	822	3	822	3	822	3	822	3	822	3	822
5(i)	33 kV Line Isolator	Nos	36900	1	36900	1	36900	1	36900	1	36900	1	36900	1	36900
(ii)	33 kV Bus Isolator	Nos	32834	1	32834	2	65668	1	32834	2	65668	1	32834	2	65668
(iii)	Structure for above	Nos	27565	2	55129	3	82694	2	55129	3	82694	2	55129	3	82694
6(i)	33 kV Post insulator	Nos	772	6	4632	6	4632	6	4632	6	4632	6	4632	6	4632
(ii)	Structure for above	Nos	13247	2	26494	2	26494	2	26494	2	26494	2	26494	2	26494
7(i)	33 kV lightning arrestors	Nos	3894	6	23364	9	35046	6	23364	9	35046	6	23364	9	35046
(ii)	Structure for above	Nos	11040	2	22079	3	33119	2	22079	3	33119	2	22079	3	33119
8	Plinth & foundations for structure	Included in the cost of structure													
9	33/11 kV transformers														
(i)	5 MVA	Nos	5180488	1	5180488	2	10360976	0	0	0	0	0	0	0	0
(ii)	8 MVA	Nos	6078326	0	0	0	0	1	6078326	2	12156652	0	0	0	0
(iii)	10 MVA	Nos	11337558	0	0	0	0	0	0	0	0	1	11337558	2	22675116
10	90 lbs Rail pieces for transformer (44.64kg/M)	M	4442	7	31091	14	62181	7	31091	14	62181	7	31091	14	62181
11	Plinth of transformer	Nos	171133	1	171133	2	342266	1	171133	2	342266	1	171133	2	342266
12	33 kV VCB with T/F control panel and CT 200/100/1A														
(i)	33 kV VCB	Nos	283565	1	283565	1	283565	1	283565	1	283565	1	283565	1	283565
(ii)	Control panel I/C for 33 kV single T/F	Nos	90319	1	90319	0	0	1	90319	0	0	1	90319	0	0
(iii)	Control panel I/C for 33 kV double T/F	Nos	143235	0	0	1	143235	0	0	1	143235	0	0	1	143235
(iv)	CT 200/100/1-1A	Nos	26715	3	80145	3	80145	3	80145	3	80145	3	80145	3	80145
(v)	Structure for CT	Nos	13247	3	39740	3	39740	3	39740	3	39740	3	39740	3	39740
13	Plinth & foundation for VCB	Nos	32146	1	32146	1	32146	1	32146	1	32146	1	32146	1	32146
14	11 kV VCB														
(i)	600/300/5A,350MVA I/C	Nos	443414	1	443414	2	886828	1	443414	2	886828	1	443414	2	886828

A.E. (RESSPO)

S.E. (RESSPO)

Sl. No.	Particulars	Unit	Rate (Rs)	1x5 MVA		2x5 MVA		1x8 MVA		2x8 MVA		1x10 MVA		2x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*
(ii)	Outgoing 200/100/5A	Nos	368167	4	1472668	6	2209002	4	1472668	6	2209002	4	1472668	6	2209002
(iii)	Bus coupler 350MVA	Nos	350333	0	0	1	350333	0	0	1	350333	0	0	1	350333
15	11 kV 3 core cable														
(i)	300 mm sq. XLPE	Mtr.	1196	60	71760	120	143520	60	71760	120	143520	60	71760	120	143520
(ii)	120mm sq XLPE	Mtr.	946	240	227040	360	340560	240	227040	360	340560	240	227040	360	340560
16	Laying of 11 kV cable including cost of sand & bricks (LS)	Mtr.	550	270	148500	420	231000	270	148500	420	231000	270	148500	420	231000
17	11 kV 3x300 sq.mm. cable jointing kit indoor	Nos	5238	1	5238	2	10476	1	5238	2	10476	1	5238	2	10476
18	11 kV 3x300 sq.mm. cable jointing kit outdoor	Nos	5734	1	5734	2	11468	1	5734	2	11468	1	5734	2	11468
19	11 kV 3x120 sq.mm. cable jointing kit indoor	Nos	4162	4	16648	6	24972	4	16648	6	24972	4	16648	6	24972
20	11 kV 3x120 sq.mm. cable jointing kit outdoor	Nos	4749	4	18996	6	28494	4	18996	6	28494	4	18996	6	28494
21	24 Volt battery and battery charger with cabinet	Nos	98816	1	98816	1	98816	1	98816	1	98816	1	98816	1	98816
22	Armoured Control Cable														
(i)	4x2.5 mm sq	Mtr.	174	200	34800	400	69600	200	34800	400	69600	200	34800	400	69600
(ii)	2x2.5mm sq	Mtr.	104	100	10400	200	20800	100	10400	200	20800	100	10400	200	20800
23	Earthing of substation														
(i)	Outdoor equipment (earth mat)	Nos	647329	1	647329	1	647329	1	647329	1	647329	1	647329	1	647329
(ii)	Equipments like control panel (1), 11 kV VCB I/C (1), LA (1), Transformer neutral-delta (3) (LS)	Nos	20000	7	140000	12	240000	7	140000	12	240000	7	140000	12	240000
24	Barbed wire fencing with gate etc (switchyard)	Nos	252980	1	252980	1	252980	1	252980	1	252980	1	252980	1	252980
25	Outdoor switchyard & Approach Road lighting	Nos	208149	1	208149	1	208149	1	208149	1	208149	1	208149	1	208149
26	63 kVA 11/0.4 kV T/F	Nos	169677	1	169677	1	169677	1	169677	1	169677	1	169677	1	169677
27	11kV TPMO switch with fixing clamps	Nos	8257	1	8257	1	8257	1	8257	1	8257	1	8257	1	8257
28	11 kV fuse set with fixing clamps	Nos	2579	1	2579	1	2579	1	2579	1	2579	1	2579	1	2579
29	Cost of accessories for mounting of 63 kVA T/F		41241	1	41241	1	41241	1	41241	1	41241	1	41241	1	41241
30	Painting of S/s structure (LS)	Nos	10000	1	10000	1.2	12000	1	10000	1.2	12000	1	10000	1.2	12000
31	Sundry Items (LS)	Nos	5500	1	5500	1.2	6600	1	5500	1.2	6600	1	5500	1.2	6600
	Total cost of material Rs.				**10805121**		**18298824**		**11702959**		**20094500**		**16962191**		**30612964**
	Say Rupees in Lacs				**108.05**		**182.99**		**117.03**		**200.95**		**169.62**		**306.13**

Note: Provision of cost of 1.5 acre Land for substation has not been made. The same may be added as per actuals.

A.E. (RESSPO)

S.E. (RESSPO)

Annexure -16

COST OF CIVIL WORKS FOR CONVENTIONAL 33/11 kV SUB-STATION

Plains 2025-26

Sl. No.	Type of building	Unit	Rate (Rs)	GST @ 18%	Total of col. 4&5	Conventional type S/s	
						Qty.	Amt. (Rs)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*
	Rural Area						
1	Switchgear Rooms	Nos	3441445	619460	4060905	1	4060905
2	Road, culverts, Gate, fencing etc.	Nos	2236939	402649	2639588	1	2639588
	Total						**6700493**
	Say (Rs. in Lacs)						**67.01**
3	**Urban Area**						
(i)	Double storey switch gear building, boundary wall etc.	Nos	13811540	2486077	16297617	1	16297617
(ii)	Single storey, switch gear room, boundary wall, collection, room etc.	Nos	9805667	1765020	11570687	1	11570687
(iii)	Double storey indoor 33/11kV s/s collection room, boundary wall etc.	Nos	22872236	4117003	26989239	1	26989239

Note:-The above rates are exclusive of Retreatment/Black cotton treatment (15%) and white ant protection (5%). These rates do not include contingency, T&P as well as establishment and AA charges.

A.E. (RESSPO)

S.E. (RESSPO)

PART- D

ABSTRACT OF COST OF INCREASING CAPACITY OF 33/11 kV SUB STATION

Plains 2025-26

Rs. in Lacs

Sl. No.	Name of works	Cost of material (Incl. GST)	Cartage charges on non-GST material cost @ 3%	Erection charges on non-GST material cost @4%	Total of Col. 4 & 5	GST @ 18% on col. 6	Total of Col. 3,6&7	3% Contingency charges on Col. 8	1.5% T&P charges on Col. 8	Total of Col. 8+9+10	13.5% of Esttb. & AA Charges on Col. 11	Total of Col. (11+12)	Cost of material received back (to be adjusted)	References
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*
1	1x3 MVA to 1x5 MVA	62.53	1.59	2.12	**3.71**	0.67	**66.91**	2.01	1.00	**69.92**	9.44	**79.36**	-25.44	Annexure-17
2	1x3 MVA to (3+5) MVA	92.85	2.36	3.15	**5.51**	0.99	**99.35**	2.98	1.49	**103.83**	14.02	**117.84**	0.00	Annexure-17
3	1x3 MVA to 1x8 MVA	76.18	1.94	2.58	**4.52**	0.81	**81.51**	2.45	1.22	**85.18**	11.50	**96.68**	-25.44	Annexure-17
4	1x5 MVA to 5+3 MVA	56.67	1.44	1.92	**3.36**	0.61	**60.63**	1.82	0.91	**63.36**	8.55	**71.92**	-0.90	Annexure-17
5	1x5 MVA to 1x8 MVA	65.56	1.67	2.22	**3.89**	0.70	**70.15**	2.10	1.05	**73.30**	9.90	**83.20**	-51.80	Annexure-17
6	1x5 MVA to 2x5 MVA	87.91	2.23	2.98	**5.21**	0.94	**94.06**	2.82	1.41	**98.29**	13.27	**111.56**	-0.90	Annexure-17
7	1x5 MVA to 1x10 MVA	122.82	3.12	4.16	**7.29**	1.31	**131.41**	3.94	1.97	**137.33**	18.54	**155.87**	-51.80	Annexure-17
8	1x8 MVA to 1x10 MVA	118.15	3.00	4.01	**7.01**	1.26	**126.42**	3.79	1.90	**132.11**	17.84	**149.94**	-60.78	Annexure-18
9	1x8 MVA to (8+5) MVA	87.91	2.23	2.98	**5.21**	0.94	**94.06**	2.82	1.41	**98.29**	13.27	**111.56**	-0.90	Annexure-18
10	1x8 MVA to 8+10 MVA	158.81	4.04	5.38	**9.42**	1.70	**169.93**	5.10	2.55	**177.58**	23.97	**201.55**	-0.90	Annexure-18
11	1x10 MVA to 10+5 MVA	87.91	2.23	2.98	**5.21**	0.94	**94.06**	2.82	1.41	**98.29**	13.27	**111.56**	-0.90	Annexure-18
12	1x10 MVA to 10+8 MVA	101.55	2.58	3.44	**6.02**	1.08	**108.66**	3.26	1.63	**113.55**	15.33	**128.88**	-0.90	Annexure-18
13	1x10 MVA to 2x10 MVA	158.81	4.04	5.38	**9.42**	1.70	**169.93**	5.10	2.55	**177.58**	23.97	**201.55**	-0.90	Annexure-18
14	2x10 MVA to 2x10+5 MVA	87.38	2.22	2.96	**5.18**	0.93	**93.49**	2.81	1.40	**97.70**	13.19	**110.89**	0.00	Annexure-18
15	2x10 MVA to 3x10 MVA	158.28	4.02	5.37	**9.39**	1.69	**169.36**	5.08	2.54	**176.99**	23.89	**200.88**	0.00	Annexure-18

Note: i) The cartage of erection charges has been taken as 3% and 4% of cost of material respectively. The actual charges may vary from site to site.

ii) Cost of materials i.e. centralized and de-centralized materials, is inclusive of GST paid by discoms while procuring material. **(col. 3)**

iii) Labour cess shall further be applicable as per rule.

A.E. (RESSPO)

S.E. (RESSPO)

COST ANALYSIS OF INCREASING CAPACITY OF 33/11 kV SUB-STATION (1/2)

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	1x3 MVA to 1x5 MVA		1x3 MVA to (3+5) MVA		1x3 MVA to 1x8 MVA		1x5 MVA to 5+3 MVA		1x5 MVA to 1x8 MVA		1x5 MVA to 2x5 MVA		1x5 MVA to 1x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*
1(i)	33 kV Bus isolator	Nos	32834	0	0	2	65668	0	0	2	65668	0	0	2	65668	0	0
(ii)	Structure for above	Nos	27565	0	0	2	55129	0	0	2	55129	0	0	2	55129	0	0
2(i)	33 kV Post insulator	Nos	772	0	0	6	4632	0	0	6	4632	0	0	6	4632	0	0
(ii)	Structure for above	Nos	13247	0	0	2	26494	0	0	2	26494	0	0	2	26494	0	0
3	Transformers bus bar complete with structure	Nos	210195	0	0	1	210195	0	0	1	210195	0	0	1	210195	0	0
4(i)	33 kV lightning arrestor	Nos	3894	0	0	3	11682	0	0	3	11682	0	0	3	11682	0	0
(ii)	Structure for above	Nos	11040	0	0	1	11040	0	0	1	11040	0	0	1	11040	0	0
5	33/11 kV Transformers																
(i)	3 MVA	Nos	2543541	-1	-2543541	0	0	-1	-2543541	1	2543541	0	0	0	0	0	0
(ii)	5 MVA	Nos	5180488	1	5180488	1	5180488	0	0	0	0	-1	-5180488	1	5180488	-1	-5180488
(iii)	8 MVA	Nos	6078326.1	0	0	0	0	1	6078326	0	0	1	6078326	0	0	0	0
(iv)	10 MVA	Nos	11337558	0	0	0	0	0	0	0	0	0	0	0	0	1	11337558
6	90lbs Rail pieces 44.64 kg/M	M	4442	0	0	7	31091	0	0	7	31091	0	0	7	31091	0	0
7	Plinth & foundation for transformers	Nos	171133	0	0	1	171133	0	0	1	171133	0	0	1	171133	0	0
8	33 kV VCB with T/F control panel and CT 200/100/1A																
(i)	33 kV VCB	Nos	283565	1	283565	2	567130	1	283565	1	283565	0	0	1	283565	0	0
(ii)	Control panel I/C for 33 kV single T/F	Nos	90319	1	90319	0	0	1	90319	-1	-90319	0	0	-1	-90319	0	0
(iii)	Control panel I/C for 33 kV double T/F	Nos	143235	0	0	1	143235	0	0	1	143235	0	0	1	143235	0	0
(iv)	CT 200/100/1-1A	Nos	26715	3	80145	6	160290	3	80145	3	80145	0	0	3	80145	0	0
(v)	Plinth & foundation for VCB	Nos	32146	1	32146	2	64292	1	32146	1	32146	0	0	1	32146	0	0
(vi)	Structure for CT	Nos	13247	1	13247	2	26494	1	13247	1	13247	0	0	1	13247	0	0
9	11 kV VCB																
(i)	11 kV VCB I/C CTR 600/300/5A, 350 MVA, 1250 A	Nos	443414	0	0	1	443414	0	0	1	443414	0	0	1	443414	0	0
(ii)	11 kV VCB O/G FDR CTR 200/100/5A, 350 MVA, 1250 A	Nos	368167	1	368167	3	1104501	2	736334	2	736334	1	368167	3	1104501	2	736334

A.E. (RESSPO)

S.E. (RESSPO)

Sl. No.	Particulars	Unit	Rate (Rs.)	1x3 MVA to 1x5 MVA		1x3 MVA to (3+5) MVA		1x3 MVA to 1x8 MVA		1x5 MVA to 5+3 MVA		1x5 MVA to 1x8 MVA		1x5 MVA to 2x5 MVA		1x5 MVA to 1x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*
(iii)	Bus coupler 350 MVA	Nos	350333	0	0	1	350333	0	0	1	350333	0	0	1	350333	0	0
10	11 kV 3 Core cable																
(i)	120 mm sq. XLPE	Mtr.	946	60	56760	180	170280	120	113520	120	113520	60	56760	180	170280	120	113520
(ii)	300 mm sq. XLPE	Mtr.	1196	0	0	60	71760	0	0	60	71760	0	0	60	71760	0	0
11	Laying of 11 kV cable including cost of sand & bricks (L.S.)	Mtr.	550	60	33000	240	132000	120	66000	180	99000	60	33000	240	132000	120	66000
12	11 kV 3x300 sq.mm. cable jointing kit indoor	Nos	5238	1	5238	2	10476	1	5238	1	5238	0	0	1	5238	0	0
13	11 kV 3x300 sq.mm. cable jointing kit outdoor	Nos	5734	1	5734	2	11468	1	5734	1	5734	0	0	1	5734	0	0
14	11 kV 3x120 sq.mm. cable jointing kit indoor	Nos	4162	1	4162	3	12486	2	8324	2	8324	1	4162	3	12486	2	8324
15	11 kV 3x120 sq.mm. cable jointing kit outdoor	Nos	4749	1	4749	3	14247	2	9498	2	9498	1	4749	3	14247	2	9498
16	Armoured Control cable																
(i)	4x2.5 mm sq	Mtr.	174	200	34800	400	69600	200	34800	200	34800	0	0	200	34800	0	0
(ii)	2x2.5mm sq	Mtr.	104	100	10400	100	10400	100	10400	100	10400	0	0	100	10400	0	0
17	Earthing of Equipments like control panel (1), 11 kV VCB I/C (1), LA (1), Transformer neutral-delta (3) (LS)	Nos	20000	2	40000	7	140000	2	40000	4	80000	0	0	5	100000	0	0
18	Painting of S/s structure (LS)	Nos	10000	0.5	5000	1	10000	0.5	5000	1	10000	0.5	5000	1	10000	0.5	5000
19	Sundries (LS)	Nos	5500	1	5500	1	5500	1	5500	1	5500	1	5500	1	5500	1	5500
Total Cost of new materials					**6253420**		**9285458**		**7618096**		**5666798**		**6555664**		**8790583**		**12281734**
Total Cost of new materials (Rs.in Lacs)					**62.53**		**92.85**		**76.18**		**56.67**		**65.56**		**87.91**		**122.82**
Total cost of material received back					**-2543541**		**0**		**-2543541**		**-90319**		**-5180488**		**-90319**		**-5180488**
Total cost of material received back (Rs.in Lacs)					**-25.44**		**0.00**		**-25.44**		**-0.90**		**-51.80**		**-0.90**		**-51.80**

A.E. (RESSPO)

S.E. (RESSPO)

COST ANALYSIS OF INCREASING CAPACITY OF 33/11 kV SUB-STATION (2/2)

Plains 2025-26

Sl. No.	Particulars	Unit	Rate (Rs.)	1x8 MVA to 1x10 MVA		1x8 MVA to (8+5) MVA		1x8 MVA to 8+10 MVA		1x10 MVA to 10+5 MVA		1x10 MVA to 10+8 MVA		1x10 MVA to 2x10 MVA		2x10 MVA to 2x10+5 MVA		2x10 MVA to 3x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1(i)	33 kV Bus isolator	Nos	32834	0	0	2	65668	2	65668	2	65668	2	65668	2	65668	2	65668	2	65668
(ii)	Structure for above	Nos	27565	0	0	2	55129	2	55129	2	55129	2	55129	2	55129	2	55129	2	55129
2(i)	33 kV Post insulator	Nos	772	0	0	6	4632	6	4632	6	4632	6	4632	6	4632	6	4632	6	4632
(ii)	Structure for above	Nos	13247	0	0	2	26494	2	26494	2	26494	2	26494	2	26494	2	26494	2	26494
3	Transformers bus bar complete with structure	Nos	210195	0	0	1	210195	1	210195	1	210195	1	210195	1	210195	1	210195	1	210195
4(i)	33 kV lightning arrestor	Nos	3894	0	0	3	11682	3	11682	3	11682	3	11682	3	11682	3	11682	3	11682
(ii)	Structure for above	Nos	11040	0	0	1	11040	1	11040	1	11040	1	11040	1	11040	1	11040	1	11040
5	33/11 kV Transformers																		
(i)	3 MVA	Nos	2543541	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
(ii)	5 MVA	Nos	5180488	0	0	1	5180488	0	0	1	5180488	0	0	0	0	1	5180488	0	0
(iii)	8 MVA	Nos	6078326.1	-1	-6078326	0	0	0	0	0	0	1	6078326	0	0	0	0	0	0
(iv)	10 MVA	Nos	11337558	1	11337558	0	0	1	11337558	0	0	0	0	1	11337558	0	0	1	11337558
6	90lbs Rail pieces 44.64 kg/M	M	4442	0	0	7	31091	7	31091	7	31091	7	31091	7	31091	7	31091	7	31091
7	Plinth & foundation for transformers	Nos	171133	0	0	1	171133	1	171133	1	171133	1	171133	1	171133	1	171133	1	171133
8	33 kV VCB with T/F control panel and CT 200/100/1A																		
(i)	33 kV VCB	Nos	283565	0	0	1	283565	1	283565	1	283565	1	283565	1	283565	1	283565	1	283565
(ii)	Control panel I/C for 33 kV single T/F	Nos	90319	0	0	-1	-90319	-1	-90319	-1	-90319	-1	-90319	-1	-90319	1	90319	1	90319
(iii)	Control panel I/C for 33 kV double T/F	Nos	143235	0	0	1	143235	1	143235	1	143235	1	143235	1	143235	0	0	0	0
(iv)	CT 200/100/1-1A	Nos	26715	0	0	3	80145	3	80145	3	80145	3	80145	3	80145	3	80145	3	80145
(v)	Plinth & foundation for VCB	Nos	32146	0	0	1	32146	1	32146	1	32146	1	32146	1	32146	1	32146	1	32146
(vi)	Structure for CT	Nos	13247	0	0	1	13247	1	13247	1	13247	1	13247	1	13247	1	13247	1	13247
9	11 kV VCB																		
(i)	11 kV VCB I/C CTR 600/300/5A, 350 MVA, 1250 A	Nos	443414	0	0	1	443414	1	443414	1	443414	1	443414	1	443414	1	443414	1	443414
(ii)	11 kV VCB O/G FDR CTR 200/100/5A, 350 MVA, 1250 A	Nos	368167	1	368167	3	1104501	5	1840835	3	1104501	4	1472668	5	1840835	3	1104501	5	1840835

A.E. (RESSPO)

S.E. (RESSPO)

Sl. No.	Particulars	Unit	Rate (Rs.)	1x8 MVA to 1x10 MVA		1x8 MVA to (8+5) MVA		1x8 MVA to 8+10 MVA		1x10 MVA to 10+5 MVA		1x10 MVA to 10+8 MVA		1x10 MVA to 2x10 MVA		2x10 MVA to 2x10+5 MVA		2x10 MVA to 3x10 MVA	
				Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)	Qty.	Amt. (Rs.)
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
(iii)	Bus coupler 350 MVA	Nos	350333	0	0	1	350333	1	350333	1	350333	1	350333	1	350333	1	350333	1	350333
10	11 kV 3 Core cable																		
(i)	120 mm sq. XLPE	Mtr.	946	60	56760	180	170280	300	283800	180	170280	240	227040	300	283800	180	170280	300	283800
(ii)	300 mm sq. XLPE	Mtr	1196	0	0	60	71760	60	71760	60	71760	60	71760	60	71760	60	71760	60	71760
11	Laying of 11 kV cable including cost of sand & bricks (L.S.)	Mtr.	550	60	33000	240	132000	360	198000	240	132000	300	165000	360	198000	240	132000	360	198000
12	11 kV 3x300 sq.mm. cable jointing kit indoor	Nos	5238	0	0	1	5238	1	5238	1	5238	1	5238	1	5238	1	5238	1	5238
13	11 kV 3x300 sq.mm. cable jointing kit outdoor	Nos	5734	0	0	1	5734	1	5734	1	5734	1	5734	1	5734	1	5734	1	5734
14	11 kV 3x120 sq.mm. cable jointing kit indoor	Nos	4162	1	4162	3	12486	5	20810	3	12486	4	16648	5	20810	3	12486	5	20810
15	11 kV 3x120 sq.mm. cable jointing kit outdoor	Nos	4749	1	4749	3	14247	5	23745	3	14247	4	18996	5	23745	3	14247	5	23745
16	Armoured Control cable																		
(i)	4x2.5 mm sq	Mtr.	174	0	0	200	34800	200	34800	200	34800	200	34800	200	34800	200	34800	200	34800
(ii)	2x2.5mm sq	Mtr.	104	0	0	100	10400	100	10400	100	10400	100	10400	100	10400	100	10400	100	10400
17	Earthing of Equipments like control panel (1), 11 kV VCB I/C (1), LA (1), Transformer neutral-delta (3) (LS)	Nos	20000	0	0	5	100000	5	100000	5	100000	5	100000	5	100000	5	100000	5	100000
18	Painting of S/s structure (LS)	Nos	10000	0.5	5000	1	10000	1	10000	1	10000	1	10000	1	10000	1	10000	1	10000
19	Sundries (LS)	Nos	5500	1	5500	1	5500	1	5500	1	5500	1	5500	1	5500	1	5500	1	5500
Total Cost of new materials					**11814896**		**8790583**		**15881329**		**8790583**		**10155259**		**15881329**		**8737667**		**15828413**
Total Cost of new materials (Rs.in Lacs)					**118.15**		**87.91**		**158.81**		**87.91**		**101.55**		**158.81**		**87.38**		**158.28**
Total cost of material received back					**-6078326**		**-90319**		**-90319**		**-90319**		**-90319**		**-90319**		**0**		**0**
Total cost of material received back (Rs.in Lacs)					**-60.78**		**-0.90**		**-0.90**		**-0.90**		**-0.90**		**-0.90**		**0.00**		**0.00**

A.E. (RESSPO)

S.E. (RESSPO)

PART - E

HVDS (1/3)

ESTIMATED COST OF ONE POLE WITH AVERAGE SPAN OF 40 METER OF 11 kV 3 PHASE WIRE SPUR LINE WITH ACSR WEASEL CONDUCTOR ON 8.5 METER LONG PCC POLE TO BE LAID INSIDE VILLAGES FOR VILLAGE ELECTRIFICATION

Plains: 2025-26

Sl. No.	Items	Unit	Rate (Rs.)	Qty.	Amt. (Rs.)
1	Pole PCC 8.5 Meter Long	No	3012	1	3012
2	Conductor Weasel ACSR	Mtr.	37.987	185	7028
3	11 kV Pin Insulators	Nos	145	3	435
4	11 kV Pin with nut	Nos	62	3	186
5	11 kV V-type Steel Cross Arm	Nos	775	1	775
6	Guarding Cross-arm (M.S. angle 65x65x6mm/1.6 Meter long),5.8kg./M=9.28kg.	Nos	591	1	591
7	L.T. Cross arm (MS angle 65x65x6mm, 1.00 Meter long)	Nos	370	1	370
8	E-bracket with bolt & nuts	Nos	275	1	275
9	G.I. wire 6 SWG and 10 SWG for guarding, lacing and street light cable catenary	Kg.	78	22	1716
10	L.T. PVC Al. 2x4sq. mm cable for street light	Mtr.	58	50	2900
11	X-arms holding clamps with bolts and nuts (3 No.X-arms)	Nos	307	3	921
12	Eye bolts for guard wires and LT cable catenary wires	Nos	73.5	3	221
13	Danger Board, number plate with fixing clamp, nuts and bolts	Set	567	1	567
14	G.I. Barbed wire	Kg.	117	1	117
15	Stone Pad (300x300x75mm)	No	135	1	135
16	Stay set complete	No	506	0.50	253
17	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No	664	1	664
18	Concreting of poles (0.268 cu.m)	No	942	1	942
	Total Cost of materials (Incl. GST)				**21107**
19	i) Cartage charges @ 7%		1477	1	1477
	ii) Erection charges @ 8%		1689	1	1689
	Sub Total				**24273**
20	O.H. charges @ 18% on (19) above (13.5% Establishment +1.5% T&P +3% contingency)				4369
	Grand Total				**28642**
	Total (Say)				**28640**

Note - Labour cess as per rule, if applicable.

A.E. (RESSPO)

S.E. (RESSPO)

HVDS (2/3)

Plains: 2025-26

Sl. No.	Items	Unit	Rate (Rs.)	Qty.	Amt. (Rs.)
1	Pole PCC 8.5 Meter Long	No	3012	2	6024
2	Stone Pad (300x300x75 mm)	No	135	2	270
3	M.S. Channel Cross Arm (100X50X75mm) Top Channel	No	937	1	937
4	Cross bracing M.S. Angle (50X50X6mm) 4.5 Kg/M with clamp	Sets	944	1	944
5	Clamps with Nuts & Bolts for top Channel	Nos	318	2	636
6	Barbed wire GI	Kg.	117	2	234
7	Danger Board & Clamps with bolts &nuts	No.	286	1	286
8	Concreting of poles (0.268 cu.m)	No.	942	2	1884
9	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	No.	664	2	1328
10	"E" Bracket with nuts & bolts	No.	275	3	825
11	11 kV Disc Insulators T&C Type	No.	271	6	1626
12	11 kV Disc fittings 45 KN	No.	125	6	750
13	11 kV Pin Insulators	No.	145	3	435
14	11 kV pin with nut	No.	62	3	186
15	PG Clamps	No.	99	6	594
16	Stay set complete	No.	506	6	3036
17(a)	11 kV TPMO with fixing clamps	No.	8257	1	8257
17(b)	11 kV Fuse Sets with clamps	No.	2579	1	2579
	Total Cost of materials (Incl. GST)				**30831**
18	i) Cartage charges @ 7%		2158	1	2158
	ii) Erection charges @ 8%		2466	1	2466
	Sub Total				**35455**
19	O.H. charges @ 18% on (18) above (13.5% Establishment +1.5% T&P +3% contingency)				6382
	Grand Total				**41837**
	Total (Say)				**41840**

Note - Labour cess as per rule, if applicable.

A.E. (RESSPO)

S.E. (RESSPO)

HVDS (3/3)

Plains: 2025-26

Sl. No.	Particulars	Unit	Rates (Rs.)	10 kVA	
				Qty.	Amt. (Rs.)
1	2	3	4	5	6
1	Transformers				
	10 kVA, 11/0.4 kV, 1 Ph.T/F.	Nos.	75426	1	75426
2	Single Phase Meter Box	Nos.	221	1	221
3	Single Phase Meter Box Clamps	Nos.	388	2	776
4	Clamps for T/F (75x8mm)	Nos.	342	2	684
5	ACSR Weasel Jumpers	Mtr.	38	10	380
6	11 kV Pin Insulator	Nos.	145	2	290
7	11 kV Pin with nut	Nos.	62	2	124
8	Eye bolts for service cables	Nos.	74	3	221
9	Armoured PVC Cable 2Cx10 Sq. mm	Mtr.	90	5	450
10	Stay set complete	Set	506	1	506
11	Earthing of pole by MS earthing rod of 20x2500 mm. and 6 SWG earthing wire etc.	Nos.	664	2	1328
	Total Cost of materials (Incl. GST)				**80406**
12	i) Cartage charges @ 7%		5628	1	5628
	ii) Erection charges @ 8%		6432	1	6432
	Sub Total				**92467**
13	O.H. charges @ 18% on (12) above (13.5% Estt. +1.5% T&P +3% contingency)				16644
	Grand Total				**109111**
	Total (Say)				**109111**

Note - Labour cess as per rule, if applicable.

A.E. (RESSPO)

S.E. (RESSPO)

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