

Bill of Quantity (BOQ) (May 2025)

**Name of the Work: Installation of 100 KVA Transformer at Nuangon Block Campus
BDO NUANGON**

Sl. No	Item	Unit	TPWODL Rate (A)	Stock, storage, insurance @3% of (B)	(A) + (B)	2% T&P of (A+B)	3% contingency of (A+B)	10% Erection charges for (A+B)	Transportation @7.5% of (A+B)	Rate	Labour @1%	Final Rate (Rs)	Qty	Amount in Rs
1	2 PART A 11 KV PP 55 mm sq AAC on 9 mtr PSC Pole	3	4	5	6	7	8	9	10	11	12	13	14	15
1	POLE PSC 9 METER 300 KG	EA	4,080.00	122.40	4,202.40	84.05	126.07	420.24	315.18	5,147.94	51.48	5,199.42	14.00	72,791.8715
2	S5 sqmm AAC	M	40.80	1.22	42.02	0.84	1.26	4.20	3.1518	51.48	0.51	51.99	463.50	24,099.30892
3	M5 Channel 75x40x6mm	KG	88.40	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	9.79	1,103.10882
4	11 KV V cross arm (M5) (10.2 kg each)	EA	1,101.60	33.05	1,134.65	22.69	34.04	113.46	85.0986	1,389.94	13.90	1,403.84	3.00	4,211.529714
5	Back clamp for 'V' Cross arm (1.7 kg)	EA	108.80	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	3.00	415.953552
6	11 KV V F clamp 2.9 kg each	EA	326.40	9.79	336.19	6.72	10.09	33.62	25.2144	411.84	4.12	415.95	3.00	1,247.860656
7	11 KV B&S Disc insulator polymer 70 KN	EA	1,564.00	46.92	1,610.92	32.22	48.33	161.09	120.819	1,973.38	19.73	1,993.11	2.00	39,866.22154
8	11KV H/W Fitting (B & S type) for Disc	EA	476.00	14.28	490.28	9.81	14.71	49.03	36.771	600.59	6.01	606.60	2.00	12,131.9786
9	11 KV Pin insulator polymer	EA	272	8.16	280.16	5.60	8.40	28.02	21.012	343.20	3.43	346.63	9.00	3,119.65164
10	H.T. stay set complete	SET	1428	42.84	1,470.84	29.42	44.13	147.08	110.313	1,801.78	18.02	1,819.80	2.00	3,639.59358
11	HT stay insulator	EA	68	2.04	70.04	1.40	2.10	7.00	5.253	85.80	0.86	86.66	2.00	173.31398
12	HT Stay clamp	SET	170	5.10	175.10	3.50	5.25	17.51	13.1325	214.50	2.14	216.64	2.00	433.28495
13	7/10 SWG GI wire (for stay)	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	12.63	1,642.106632
14	Earting of support (Coil type)	EA	225.76	6.77	232.53	4.65	6.98	23.25	17.43996	284.85	2.85	287.70	3.00	863.1036204
15	GI Nurs, bolt & washer	KG	106.08	3.18	109.26	2.19	3.28	10.93	8.19468	133.85	1.34	135.18	6.45	871.9426334
16	GI Barbed wire for ant climbing	KG	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	6.00	831.907104
17	Danger Plate	EA	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	3.00	415.953552
18	Concrete materials for stay anchor plate	EA	1653								16.53	1669.53	1.80	3,005.154
19	Padding and concreting materials for support	M3	2837.9								28.38	2866.28	14.00	40,127.906
20	Fabrication & Galvanisation	KG	13								0.13	13.13	9.79	128.56896
21	11KV Line AAC tapping on RSI/PSC Pole	EA	4080											
21	POLE PSC 9 METER 300 KG	EA	4080	122.40	4202.40	84.05	126.07	420.24	315.18	5147.94	51.48	5199.42	1.00	5,199.4194
22	75x40x6mm. Channel for Straight Cross- ar	KG	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	32.64	3,677.0294
23	11 KV V. Cross Arm (M5) (10.2 kg each)	EA	1101.6	33.05	1134.65	22.69	34.04	113.46	85.0986	1389.94	13.90	1403.84	1.00	1,403.84338
24	Back Clamp for 'V' Cross Arm (1.7kg)	EA	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	1.00	138.651184
25	11 KV F Clamp 2.9 Kg. each	EA	326.4	9.79	336.19	6.72	10.09	33.62	25.2144	411.84	4.12	415.95	1.00	415.953552

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26	11KV B&S Disc Insulator polymer 70 KN	EA	1564	46.92	1610.92	32.22	48.33	161.09	120.819	1973.38	19.73	1993.11	3.00	5979.33231
27	11KV R&S Hardware Fitting	EA	476	14.28	490.28	9.81	14.71	49.03	36.771	600.59	6.01	606.60	3.00	1819.79579
28	PG Clamp for 100sqmm AAC	EA	652.8	19.58	672.38	13.45	20.17	67.24	50.4288	823.67	8.24	831.91	3.00	2495.72312
29	11 KV Pin insulator polymer	EA	272	8.16	280.16	5.60	8.40	28.02	21.012	343.20	3.43	346.63	5.00	1733.1398
30	HT stay set complete	SET	1428	42.84	1470.84	29.42	44.13	147.08	110.313	1801.78	18.02	1819.80	2.00	3539.59358
31	HT stay insulator	EA	68	2.04	70.04	1.40	2.10	7.00	5.253	85.80	0.86	86.66	2.00	173.31398
32	HT Stay clamp	SET	170	5.10	175.10	3.50	5.25	17.51	13.1325	214.50	2.14	216.64	2.00	433.28495
33	7/10 SWG GI wire (for stay)	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	20.00	2599.7957
34	GI Nuts, bolt & washer	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	5.00	649.927425
35	Earthing of support (CoilType)	EA	225.76	6.77	232.53	4.65	6.98	23.25	17.43996	284.85	2.85	287.70	1.00	287.7012068
36	Concrete materials for stay anchor plate	EA	1653								16.53	1669.53	2.00	3339.06
37	Padding and concreting materials for support	M3	2837.9								28.38	2866.28	1.00	2866.279
	11KV SP cutpoint 9 mtr long 300 KG PSC													
38	POLE PSC 9 METER 300 KG	EA	4080	122.40	4202.40	84.05	126.07	420.24	315.18	5147.94	51.48	5199.42	1.00	5199.4194
39	75x40x6mm. Channel for Straight Cross-br	KG	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	32.64	3677.0294
40	11KV B&S Disc Insulator polymer 70 KN	EA	1564	46.92	1610.92	32.22	48.33	161.09	120.819	1973.38	19.73	1993.11	6.00	11958.56462
41	11KV B&S Hardware Fitting	EA	476	14.28	490.28	9.81	14.71	49.03	36.771	600.59	6.01	606.60	6.00	3659.59358
42	11 KV Pin insulator polymer	EA	272	8.16	280.16	5.60	8.40	28.02	21.012	343.20	3.43	346.63	3.00	1039.88388
43	H.I. stay set complete	SET	1428	42.84	1470.84	29.42	44.13	147.08	110.313	1801.78	18.02	1819.80	4.00	7273.18716
44	HT stay insulator	EA	68	2.04	70.04	1.40	2.10	7.00	5.253	85.80	0.86	86.66	4.00	346.52796
45	HT Stay clamp	SET	170	5.10	175.10	3.50	5.25	17.51	13.1325	214.50	2.14	216.64	4.00	866.5699
46	7/10 SWG GI wire (for stay)	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	40.00	5199.4194
47	GI Nuts, bolt & washer	KG	106.08	3.18	109.26	2.19	3.28	10.93	8.19468	133.85	1.34	135.18	5.00	675.924522
48	Earthing of support (CoilType)	EA	225.76	6.77	232.53	4.65	6.98	23.25	17.43996	284.85	2.85	287.70	1.00	287.7012068
49	Concrete materials for stay anchor plate	EA	1653								16.53	1669.53	4.00	6678.12
50	Padding and concreting materials for support	M3	2837.9								28.38	2866.28	1.00	2866.279
	LT9 MTR RS 1015T AB CBL (3CK95+1CX70+1CX													
51	Cable 1.1 KV AB 3X95+1X70+1X16 SQMM XLPE	M	330.48	9.91	340.39	6.81	10.21	34.04	25.52958	416.98	4.17	421.15	371.00	156247.7524
52	A core Al PVC armoured 25 sqmm	M	170	5.10	175.10	3.50	5.25	17.51	13.1325	214.50	2.14	216.64	10.50	2274.745988
53	Pole clamp	PAA	272	8.16	280.16	5.60	8.40	28.02	21.012	343.20	3.43	346.63	12.00	4159.55552
54	Clamp dead end	EA	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	1.00	112.654087
55	Clamp suspension with eye hook for AB cable	EA	462.4	13.87	476.27	9.53	14.29	47.63	35.7204	583.43	5.83	589.27	12.00	7071.210384
56	Neutral connector	EA	44.88	1.35	46.23	0.92	1.39	4.62	3.46698	56.63	0.57	57.19	7.00	400.3552938
57	Wire GI Stranded 7/12 SWG-7/2.64 MM	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	16.80	2183.756148
58	Line stay clamp for LT	PAA	149.6	4.49	154.09	3.08	4.62	15.41	11.5566	188.76	1.89	190.65	3.00	571.936134

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59	Insulator Stay for LT	EA	40.8	1.22	42.02	0.84	1.26	4.20	3.1518	51.48	0.51	51.99	3.00	155.982582
60	Earthing coil	EA	225.76	6.77	232.53	4.65	6.98	23.25	17.43996	284.85	2.85	287.70	12.00	3452.414482
61	Wire GI No 8 SWG/4.06 mm for earthing	KG	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	5.95	824.9745448
62	Soft & Nut GI 16x55 mm	KG	106.08	3.18	109.26	2.19	3.28	10.93	8.19468	133.85	1.34	135.18	5.25	709.7207481
63	Pressing connector LT Dose A	EA	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	7.00	970.538288
64	LT stay set complete	SET	707.2	21.22	728.42	14.57	21.85	72.84	54.6312	892.31	8.92	901.23	3.00	2703.698088
65	SWAY SERVICE Ditch Box with Kit Part Base	EA	5440	163.20	5603.20	112.06	168.10	560.32	420.24	6863.92	68.64	6932.56	1.00	6932.5592
66	Concrete of stay	EA	1653								16.53	1669.53	3.00	5008.59
67	100 KVA, 11/0.4 KV (AI) Plinth mounted	EA	4280	122.40	4202.40	84.05	126.07	420.24	315.18	5147.94	51.48	5199.42	2.00	10398.8388
68	100 KVA, 11/0.4 KV Level 4 (as per amm)	EA	129120	4773.60	163893.60	3277.87	4916.81	16389.36	12292.02	200769.66	2007.70	202777.36	1.00	202777.3566
69	WS Channel 100x50x5mm	KG	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	103.00	11603.37096
70	WS Channel 75x40x5mm	KG	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	184.00	20778.35201
71	WS Angle 50x50x5mm	KG	88.4	2.65	91.05	1.82	2.73	9.11	6.8289	111.54	1.12	112.65	57.00	6421.282959
72	11 KV AS Switch (HQA 3 pole, HZ type)	EA	1564	46.92	1610.92	32.22	48.33	161.09	120.819	1973.38	19.73	1993.11	3.00	5979.33231
73	11 KV H/W Fitting for Disc (70KN)	EA	476	14.28	490.28	9.81	14.71	49.03	36.771	600.59	6.01	606.60	3.00	1819.79679
74	RG clamp for 100 sqmm AAAC	EA	788.8	23.66	812.46	16.25	24.37	81.25	60.9348	995.27	9.95	1005.22	3.00	3015.663252
75	GI Flat 25x5mm	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	43.00	5389.375855
76	GI Flat 25x5mm	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	11.00	1429.840335
77	11 KV AS Switch (HQA 3 pole, HZ type)	SET	16116	483.48	16599.48	331.99	497.98	1659.95	1244.961	20334.36	203.34	20537.71	1.00	20537.70663
78	11 KV DD Fuse 3 pole	EA	6398.58	191.90	6588.48	131.77	197.65	658.85	494.1358	8070.88	80.71	8151.59	1.00	8151.593663
79	DD Fuse link unit (DA)	EA	150.96	4.53	155.49	3.11	4.66	15.55	11.66166	190.47	1.90	192.38	3.00	577.1355534
80	11 KV lightning arrester	EA	1332.8	39.98	1372.78	27.46	41.18	137.28	102.958*	1681.66	16.82	1698.48	3.00	5095.431012
81	Conductor ACSR PV (GL75mm)	M	80.68	2.42	83.10	1.66	2.49	8.31	6.23253	101.80	1.02	102.82	20.00	2056.319388
82	HT stay set complete	SET	1428	42.84	1470.84	29.42	44.13	147.08	110.313	1801.78	18.02	1819.80	2.00	3659.59338
83	HT stay insulator	EA	68	2.04	70.04	1.40	2.10	7.00	5.253	85.80	0.86	86.66	2.00	173.31398
84	HT stay clamp	SET	170	5.10	175.10	3.50	5.25	17.51	13.1325	214.50	2.14	216.64	2.00	433.28495
85	7/20 SWG stay wire	KG	102	3.06	105.06	2.10	3.15	10.51	7.8795	128.70	1.29	129.99	25.00	3249.637125
86	40mm nominal bore GI pipe (medium gauge)	EA	1428	42.84	1470.84	29.42	44.13	147.08	110.313	1801.78	18.02	1819.80	5.00	9098.98395
87	Earthing of support (Coil type)	EA	225.76	6.77	232.53	4.65	6.98	23.25	17.43996	284.85	2.85	287.70	1.00	287.7012068
88	Pipe HDPE (25mm)	M	54.4	1.63	56.03	1.12	1.68	5.60	4.2024	68.64	0.69	69.33	15.00	1039.88388
89	Pipe GI (100mm)	M	680	20.40	700.40	14.01	21.01	70.04	52.53	857.99	8.58	866.57	3.00	2599.7097
90	1.1KV ACSR 5mm ALPE cable	M	501.74	15.05	516.79	10.34	15.50	51.68	38.75942	633.07	6.33	639.40	23.00	14706.22644
91	100sqmm LT ALPE Cable (armoured) LT Distribution Box with MCCB, Aluminium	M	199.92	6.00	205.92	4.12	6.18	20.59	15.44382	252.25	2.52	254.77	32.00	8152.689619
92	Al Cable socket 70 mm	EA	33209.84	996.30	34206.14	684.12	1026.18	3420.61	2665.46	41902.52	419.03	42321.54	1.00	42321.54078
93	Al cable socket 95mm	EA	27.2	0.82	28.02	0.56	0.84	2.80	2.1012	34.32	0.34	34.66	16.00	2079.76776
94	GI Bolts Nuts & washers	KG	106.08	3.18	109.26	2.19	3.28	10.93	8.19468	133.85	1.34	135.18	25.00	554.624736
95	Material for masonry work for earth pit	EA	544	16.32	560.32	11.21	16.81	56.03	42.024	686.39	6.86	693.26	5.00	3379.62261
96														3466.2796

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97	Charcoal/salt etc for earthing	KG	612	18.36	630.36	12.61	18.91	63.04	47.277	772.19	7.72	779.91	10.00	779.1291
98	GI barbed wire for antilimbng	KG	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	4.00	554.604736
99	Danger plate	EA	108.8	3.26	112.06	2.24	3.36	11.21	8.4048	137.28	1.37	138.65	2.00	277.302368
100	Fabrication & Galvanisation	KG	13								0.13	13.13	344.00	4516.72
101	Concrete materials for stay anchor plate	M3	1653								16.53	1669.53	2.00	3339.06
102	Padding and concreting materials for support	M3	2837.9								28.38	2866.28	2.00	5732.558
103	Cost of fencing	EA	104661.02								1046.61	105707.63	1.00	105707.6302
104	Punch for transformer	EA	22034								220.34	22254.34	1.00	22254.34
LTCT METER WITH ARRANGEMENT														
105	METER SMART 3P4W LTCT 200/5A	EA	6105.94	183.18	6289.12	125.78	188.67	628.91	471.6839	7704.17	77.04	7781.21	1	7781.211493
106	BOX TP F/LTCT SMART METER200/5A W/CMP CT	EA	5674.97	170.25	5845.22	116.90	175.36	584.52	438.3914	7160.39	71.60	7232.00	1	7231.997331
TOTAL												Say Total	1011226.95	
Total= 106 (One Hundred Six no. of Item												Ten Lakh Eleven Thousand Two Hundred Twenty Seven Only	1011227.00	

My Quoted rate is..... (figure & Words) Excess over / Less than/ Equal to above estimated cost.

Note.

- The Contractor should not write anything except quoting of percent. Do and in case of anything regarding Tender.
 - Stick out which are not applicable.
- Total 106 (One Hundred Six) nos. of items only
 Nos. of Correction
 Nos. of Overwriting
 Nos. of Interpolation
 Approved for 106 (One Hundred Six) Nos. of items only

Full Signature of the Contractor with Date

Block Development Officer
 Nuagaon


