

TPCODL

TP CENTRAL ODISHA DISTRIBUTION LIMITED

OFFICE OF THE EXECUTIVE ENGINEER (ELECT.), BHUBANESWAR ELECTRICAL DIVISION,
INSIDE 33/11 KVA SUB-STATION RASULGARH, BHUBANESWAR-751010

Ph. No. 0674- 2549024, Fax- 0674- 2549024, ,

No.....5042.....

/Dtd...13-11-201...

To

The SDO (Elect.)
Rasulgarh Electrical Sub- Division

Sub: Energization of 25KVA, 11 /0.4KV DP mounted S/Stn.-1No, 11KV line -5 Span to provide 10KW GPS construction power supply at LT single point to Sri Jambeswar Majhi, M/s ARCHI TECH CREATIONS Plot No-896, Khata No-365 At- Baliana, Khurda under Fulnakhara section against Future load 180KW in 6% deposit Scheme.

Ref:- 1. T.O permission letter no.12679, dtd.29.06.20
2. T.o Revalidation permission letter No-846 date-29.06.20
3. Your letter No- 1553 date- 20.10.20


Sir,

With reference to above cited subject, it is intimate you that, 25KVA, 11 /0.4KV DP mounted S/Stn.-1No, 11KV line -5 Span for providing 10KW GPS construction power supply at LT single point to Sri Jambeswar Majhi, M/s ARCHI TECH CREATIONS Plot No-896, Khata No-365 At- Baliana, Khurda under Fulnakhara section against Future load 180KW in 6% deposit Scheme has been inspected vide inspection report no.132/20-21, Dated.28.09.20 by the **Superintending Engineer –Cum- Electrical Inspector, BBSR (Copy enclosed)**.

You are hereby authorized to energize the above installation after due compliance of the defects and deficiencies noticed by the by the **Superintending Engineer –Cum- Electrical Inspector, BBSR** with fulfillment of all the terms & conditions mentioned in the permission letter under reference with observing departmental formalities of CESU & report compliance. More over all arrear dues against temporary service connection / other power supply, if any in the said premises may also be collected and dismantled before charging.(Deposited amount (6%+1%) of Rs.42,664.00 vide MR no.-BS/282871 date-12.2.2018.

Encl: Copy of Inspection report & Compliance report.

Yours faithfully,


Executive Engineer (Elect.)
B.E.D., Bhubaneswar

No:


5043 (7)

// Dated 13-11-201

Copy along with copy of enclosure submitted to :

1. The S.E.E.C. No.I, Bhubaneswar for favour of kind information with reference to permission letter No-3813(2) date-27.12.17.
2. The E.E. MRT division, Bhubaneswar for kind information & necessary action.
3. The Dy. Manager , MRT , Rasulgarh Subdivision for information & necessary action.
4. The S.D.O. (Commerece), Rasulgarh Sub-division for information & necessary action.
5. The A.M. (Elect.) Fulnakhara Section for information & necessary action.
6. The A.M.(F) & Cashier of this office for information and necessary action.

Encl: As above.


Executive Engineer, (Elect.)
B.E.D, Bhubaneswar

CENTRAL ELECTRICITY SUPPLY UTILITY OF ORISSA.
O/O THE EXECUTIVE ENGINEER, (ELECT.) B.E.D., BHUBANESWAR.

No 126779

// Dated: 30.12.17

To
 M/s ARCHI TECH CREATIONS
 Partner & GPA Holder-Sri Jambeswar Majhi
 Plot No-896,
 At- Baliana,
 Bhubaneswar

Through: A.M. (Elect.) Fulnakhara

Sub Permission for installation of 25KVA 11 /0.4KV DP mounted S/Stn. to provide 10KW GPS construction power at 11KV supply at LT single point metering in GP tariff to M/s ARCHI TECH CREATIONS, Partner & GPA Holder- Sri Jambeswar Majhi, for construction of their S+4 Storeed Residential Apartment Building OVER BDO (Baliana Block) Plot No-896, Khata No-365 Mouza- Baliana, Bhubaneswar in favour of Sri Bauri Bandhu Behera against proposed load 180KW under Fulnakhara section in 6% deposit scheme.

Sir,
 Permission is here by accorded for installation of 25KVA 11 /0.4KV DP mounted S/Stn. to provide 10KW GPS construction power at 11KV supply at LT single point metering in GP tariff to M/s ARCHI TECH CREATIONS, Partner & GPA Holder- Sri Jambeswar Majhi, for construction of their S+4 Storeed Residential Apartment Building OVER BDO (Baliana Block) Plot No-896, Khata No-365 Mouza- Baliana, Bhubaneswar in favour of Sri Bauri Bandhu Behera against proposed load 180KW under Fulnakhara section in 6% deposit scheme. The estimate duly sanctioned for Rs.6,52,145.00(Rupees Six lakh fifty two thousand one hundred forty five) only (Gross) and 6% departmental over head charges is Rs.36,569.00 (Rupees Thirty six thousand five hundred sixty nine) only (Net) & 1% CESS is Rs.6,095.00(Rupees Six thousand ninety five only) is enclosed with the following terms and conditions for your reference.

SCOPE OF WORK

Sl No	Scope		Remarks
1	Construction of 3Q3W 11KV O/H line on 100x116 mm 11mtr long RS joist using 80mm ² AAA conductor with provision of double disc insulator at tension point	0.20KM (SSpan)	To be executed by Party & handed over to CESU for maintenance on deposit of 6% Supervision charges.
2	Installation of 25KVA 11/0.4KV double pole mounted S/S using 11mtr long 116x100mm Rs joist with Snos earthing, LT distribution box arrangement and boundary wall spreading of sand & metal etc.	1No	To be executed & Mainted by Party on deposit of 6% Supervision charges

TERMS AND CONDITIONS

- You are allowed to execute the work as mentioned in the scope of work above at Sl.1 to 2 at your cost in side your premises as per approved drawing through an authorized Electrical Contractor having valid H.T. License as per I.E. rule and I.S.S standard. The L.T side of transformer should be sealed by cable end box. The s/stn should be constructed only on your plot.
- After completion of line and S/S work the same is to be inspected by Electrical Inspector, Govt. of Orissa at your cost and getting clearance the same will be energized. You have to produce relevant records such as compliance report, inspection report, test report etc. to our field officers at the time of energisation of the units.
- The materials utilized for the sub-station work should be of good quality and as per specification of CESU. The original cash memos in support of procurement of materials are to be produced before the supply Engineer of CESU to ascertain the sources of receipt of materials.
- In compliance to the letter No: 33572 (25), dtd.13.12.13 of Chief Operating Officer, CESU, you will have to submit the "Test Certificate" and "Type Test Report" of the following materials to be utilized in the site followed by the inspection of materials as per specification mentioned in the estimate by the "Inspecting Officer" prior to deposit of 6% supervision charge and execution of the work. Non compliance of above may lead to cancellation of this permission without giving any reason thereof. **List of the materials subject to testing before use in field are:**

- b. Wrapping test
- c. Conductor resistance test

h) --TYPE TEST OF THE LT XLPE CABLE:-


These tests shall be carried out in accordance with the requirements of IS-10810.

- a. Tensile test of aluminum
 - b. Wrapping test
 - c. Conductor resistance test
 - d. Test for thickness of insulation and sheath
 - e. Tensile strength and elongation at break test for insulation and outer sheath
 - f. High Voltage test
 - g. XLPE insulation test of the full drum.
 - h. Bending Test
 - i. Partial discharge Test
 - j. Flammability Test
6. You have to deposit 6 % departmental over head charges of Rs.36,569.00 (N) only out of sanctioned gross estimated amount of Rs.6,52,145.00 (G) and Security deposit of 10KW GPS construction Power RS.30,692.00 only and service connection of 10KW Construction power RS.1,749.00 payable to CESU, B.E.D., Bhubaneswar in shape of cash / D.D before execution of the works as per scope of work and 1% CESS is Rs.6,095.00 will be deposited by the contractor , who will execute the work before charging of lines and sub-stations.
 7. You have to install **25 KVA 11/0.4 KV three Star transformer** as per letter of C.E.O.(Operation), CESU, Bhubaneswar communicated vide L.No.39455 dtd.18.08.2010 of C.O.O, CESU Bhubaneswar & the same should be inspected by the E&MR division./store Division and one Officer of this Division of CESU, Bhubaneswar before purchase and installation of sub-station & the report may be submitted before charging All safety aspects are to be ensured for erection of lines and sub-stations.
 8. You are requested to execute an agreement with the undersigned within 30 days from the date of issue of this letter after which the permission will treated as cancelled for which you have to produce specimen signature duly attested by the concerned S.D.O. at the time of execution of agreement
 9. Any dispute arising out of any reason due to route alignment of 11 KV line and location of sub-station shall be settled up / compromised at the cost of the party.
 10. Power supply to the houses / flats & common load shall be provided on application of individual owners observing departmental formalities after completion of s/stn & allied works.
 11. The power supply shall be effected at 11KV with suitable metering at L.T individual with R.F. metering provision.
 12. You may be provided a separate room at your premises for providing power supply at L.T. individual metering arrangement .
 13. An enclosure with roof, door and locking arrangement has to be constructed by you near the metering unit installed for protection of energy meter and TP box etc. form rain / storm.
 14. Arrear if any, pending against the existing premises shall be cleared up by you before execution of agreement.
 15. The guarding if required, will be provided against the existing 33KV line / 11 KV / LT line / telephone line / road if any keeping allowable clearance.
 16. Anti-climbing device is to be provided in the sub-station by the party.
 17. Circuit breaker of suitable rating to be installed at the transformer secondary (L.T) side and H.T isolator along with required protective system at the H.T. side must be provided as per I.E. Rule, 1948.
 18. Any dispute / legal complicacy arising out of route alignment of 11 KV line and location of sub-station/ damage / accident has to be settled up at your risk & responsibility .
 19. The annual rent for land on which the S/Stn. Stands has to be paid by you to Bhubaneswar Municipal Corporation regularly without fail as spelt out in the no objection certificate issued by B.M.C.
 20. You have to furnish the layout plan of electrical control room and allied installation with due approval from supply Engineer prior to construction and approval from Electrical Inspector, Govt. of Orissa.
 21. The power supply shall be effected at H.T with suitable metering at L.T Single point.
 22. The work should be completed within 60 days to provide power supply.
 23. The transformer loss will be computed in your monthly bill..

24. As per your affidavit No-41AA 965390 dated-29.12.17 the final load of 180 KW shall be provided if the concerned power transformer will be feasible to provide power to the above load and CESU shall not responsible for non- feasibility of the- then source/system of supply for future load
25. You are requested to contact S.D.O.,Elect, Rasulgarh Sub-Division / A.M.(Elect.) Fulnakhara Section for further necessary action.

Encl: As above.
Copy of sanctioned estimate.


Yours faithfully,


Executive Engineer (Elect.)
B.E.D., BBSR.

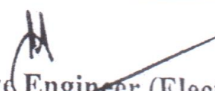
No. 426780(16) // Dated 30.12.17
Copy along with copy of enclosure submitted to :

- 1.S.E.E.C. No.I, Bhubaneswar for favour of information with refrence to his permission letter No-3813(2)date-27.12.17.
2. S.D.O. (Elect.) Rasulgarh Sub-division. It is-advised to ensure that the route selected for 11KV / LT Lines do not arise any sort of future complication.
- 3.S.D.O. (Commerece), Rasulgarh Sub-division.
- 4.A.M. (Elect.) Fulnakhara Section for day to day supervision of works.
- 5.A.M.(F) & Cashier of this office for information and necessary action.

Encl: As above.


Executive Engineer, (Elect.)
B.E.D., BBSR

ESTIMATE						
Division :		B.E.D Bhubaneswar				
Sub - Division :		Rasulgarh			Section : Fullnakhara	
Name of Work :		Deposit work. (Service connection)			Est NO : 205 / 17-18	
Scope of Work :		Three phase service connection estimate for providing power supply to 10KW GPS construction power supply at LT single point to M/s ARCHI TECH CREATIONS (Partner & GPA Holder- Sri Jambeswar Majhi, for construction of their S+4 storied Residential Apartment building over BDO (Baliana) permitted Plot No-896, Khata No-365 At- Baliana, Bhubaneswar in favour of Sri Bamdhu Behera against proposed future load 180KW under Fulnakhara section in 6% deposit scheme.				
Sl No	Name of the materials	Unit	Qty.	Rate	Amount	
1	16 mm 2 3 1/2 core LT PVC cable	Mtr	25	122.00	3050.00	To be Supplied by Party
2	63 Amps. Kitkat fuse	No	6	150.00	900.00	
3	T.P.Box	No	1	1340.00	1340.00	
4	Cable trench	LS		1500.00	1500.00	
5	40mm G.I Service bracket	No	1	1500.00	1500.00	
6	8 SWG G.I Wire	Kg	5	75.00	375.00	
7	Sundries	L.S			500.00	500.00
A	Cost of Material				9165.00	500.00
B	32% Escalation		A x 32%		2932.80	160.00
C	Cost of Material 14-15		B + C		12097.80	660.00
D	3% Stoc&Storage		C x 0.03		362.93	19.80
E	Sub Total		D + E		12460.73	679.80
F	3% contigency+2% T&P+7.5% Transportation +10% errection charges=22.5%		E x 0.225		2803.67	152.96
G	Sub Total		E + F		15264.40	832.76
H	6% Departmental charges		G x 0.06		915.86	915.86
I	Grand Total		G + H		16180.26	1748.62
or say Rs. 16,180.00 (G) / Rs. 1,749.00 (N)						
Estimate No 205 / 17-18						
Approved and sanctioned for Rs. 16,180.00 (G) / Rs. 1,749.00 (N)						


 Executive Engineer (Electrical)
 B.E.D. Bhubaneswar

Division : B.E.D., Bhubaneswar
 Sub-Division : Rasulgarh
 Head of Work : 6% Deposit work
 Name of Work :
 Section : Fulnakhara
 Est. No. : 590 / 17-18

ESTIMATE
 Estimate in 6% deposit work for installation of 25KVA 11/0.4KV DP mounted S/Sin. to provide 10KW GPS construction power supply at LT single point to Sri Jambeswar Majhi, M/s ARCH TECH CREATIONS Plot No-896, Khata No-365 At- Ballanta, Khurda under Fulnakhara section. against future load 180KW.

Scope of Work :
 (1) Construction of 25 KVA 11/0.4KV DP mounted S/S by using 11mtr long 100x110mm RS joist pole -1No. (To be executed & maintained by party on deposit of 6% supervision charges) (2) Construction of 3Ph. 11KV line on 116x100mm 11mtr long RS Joist pole=0.2KM (5Span) (To be executed by party on deposit of 6%supervision charges & handedover to CESU for maintenance)

Sl. No.	Description of Materials	Unit	Quantity	Rate (Rs)	Amount (Rs)
(To be executed by party on deposit of 6%supervision)					
1	11mtr long 116x100mm Rs joist	No/Kg	519.2	55.00	28,556.00
2	25KVA 11/0.4 KV 3 star rated TFR with 17ex box	No	1	52000.00	52,000.00
3	35mm ² 3/2 PVC cable for transformer	mtr	15	175.00	2,625.00
4	LT Distribution Box	No	1	12400.00	12,400.00
5	100x50x6 mm MS Channel	Kg	103.04	60.00	6,182.40
6	75x40x6 mm MS Channel	Kg	90	60.00	5,400.00
7	50x50x6 MS Angle	Kg	81	60.00	4,860.00
8	11KV AB Switch 3 pole (11Z/400amp)	Set	1	10000.00	10,000.00
9	11KV HG Fuse	No	1	7000.00	7,000.00
10	11KV Lightning Arrester	Set	3	1500.00	4,500.00
11	HT Stay Set complete	Set	2	700.00	1,400.00
12	7/10 SWG stay wire	Kg	20	75.00	1,500.00
13	HT Stay Insulator	No	2	40.00	80.00
14	Loop for stay	Pair	2	140.25	292.50
15	Concreting of stay pit	No	2	1753.90	3,507.80
16	30mm dia GI pipe for earthing	No	5	1500.00	7,500.00
17	Supply of charcoal, salt & earthen Chamber etc	No	5	1719.90	8,599.50
18	25x3 mm GI Flat for neutral	Kg	60	60.00	3,600.00
19	Concreting	No	2	190.00	380.00
20	Concreting of pole pits	No	2	1999.38	3,998.76
21	Couping of pole pits	No	2	512.40	1,024.80
22	55mm ² AAAC	Km	9.1	30,000.00	3,000.00
23	Red Oxide paint	Ltr	4	85.00	340.00
24	Alk Paint	Ltr	4	95.00	380.00
25	Black paint	Ltr	2	85.00	170.00
26	Construction of boundary wall around the site with spreading cemental inside the boundary & grill gate	LS			31,500.00
27	Soil & Bolt	Kg	36	75.00	2,700.00
28	Stitches	LS			3,100.00

Construction of 3Ph. 11KV line on 116x100mm 11mtr long RS Joist pole=0.2KM (5Span)

(To be executed by party on deposit of 6%supervision charges & handedover to CESU for maintenance)

29	11mtr long 116x100mm Rs joist	No/Kg	1298	55.00	71,390.00
30	100 x 50 x 6 mm MS channel	kg	90	60.00	5,400.00
31	11KV V X arm	No	4	765.00	3,060.00
32	U clamp	No	4	97.50	390.00
33	11KV GI Pin / Pin insulator (polymer)	No	20	377.37	7,547.40
34	11KV Disc Insulator (B&S) (polymer)	No	24	406.39	9,753.36
35	11KV HW fittings (B & S)	No	12	354.78	4,257.36
36	80mm ² AAAC	KM	0.60	12,000.00	7,200.00
37	Concreting of pole pits	No	8	1999.38	9,996.00
38	Couping of pole pits	No	8	512.40	4,100.00
39	HT Stay Set complete	Set	3	700.00	2,100.00
40	7/10 SWG stay wire	Kg	60	75.00	4,500.00
41	HT stay insulator	No	2	40.00	80.00

Prints of LT.D.B
 Barbed wire
 Dangle board

NO 01 2500.00 2500.00
 Kg 10 70.00 700.00
 NO 05 39.69 198.45

42	Clamp for stay	Pair	3	146.25	438.75
43	Concreting of stay pit	No.	3	1753.90	5,261.70
44	Coil earthing	No	5	190.00	950.00
45	Nut & bolt	Kg	10	75.00	750.00
46	Sundries	L.S			2,000.00
A	(a) Total cost of Material as per 2013-14 Cost Data				362,544.23
B	Escalation at the rate of 32% per annum = 32% for the year 2017-18				116,014.15
C	Total cost of Material as per 2017-18=(A+B)-C				478,558.38
D	Stock, Storage & Insurance @ 3% of C				14,356.75
E	Sub - Total (A+B)=C				492,915.14
F	Contingency @ 3% of C				14,287.45
G	I&P Charges @ 2% of C				9,858.30
H	Transportation 7.5% of C				36,968.64
I	Erection 10% of C				49,291.51
J	Sub - Total (E + F + G + H + I)				603,821.04
K	Other over head charges 6% charges of J				36,229.26
L	1% CESS of J				6,038.21
M	Gross Estimated Cost (J+K+L) =				646,088.51
<p>Approved and Technically Sanctioned for Rs.6,46,089.00 (Rupees Six lakh forty six thousand eighty nine) only (Gross) and 6% departmental over head charges is Rs.36,229.00 (Rupees Thirty six thousand two hundred twenty nine) only (Net) & 1% CESS is Rs.6,038.00 (Rupees Six thousand thirty eight) only.</p> <p>Rs 6,95,356.51</p>					

365942.68
117101.65
483044.33
14491.33
491755.66
111945.52
609481.18
36568.89
6094.81
652144.86

Executive Engineer, (Elect.)
B.E.D., Bhubaneswar

Dy. General Manager
Electrical Circle No-I,
Bhubaneswar