

TENDER SPECIFICATION NO.	DATE OF OPENING	ISSUING AUTHORITY	PARTICULARS
1	2	3	4
49/CE/Lucknow Zone/2015-16	16.03.2016 (Part-I&II)	Chief Engineer (D), Lucknow Zone, Lucknow	Increasing Capacity of 33/11 KV S/S Garhi,Lakhimpur from 2x10 to (2x10+1x5)MVA

MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED
LUCKNOW



Tender Specification

No. 49-CE/Work/Lko.Zone/2015-16

Due Date of Opening

Part-I&II -16.03.2016 at 16:00 Hrs.

Tender Cost : Rs. 570.00

EMD : Rs. 5000.00

Chief Engineer (D)
LUCKNOW ZONE
LUCKNOW

Tele. : 0522-2473714
Fax : 0522-2473715

MADHYANCHAL VIDYUT VITRAN NIGAM LIMITED

BID DOCUMENT

Against Tender specification No. 49-CE/Lko. Zone/2015-16

FOR

Increasing Capacity of 33/11 KV S/S

Garhi, Lakhimpur

from

2x10MVA

to

(2x10+1x5)MVA

मध्यांचल विद्युत वितरण निगम लिमिटेड

लखनऊ क्षेत्र, लखनऊ

अति अल्पकालीन निविदा सूचना

अधोहस्ताक्षरी द्वारा निम्नलिखित निविदाओं के समक्ष उनके सम्मुख अंकित कार्यों को सेमी टर्नकी आधार पर जिसमे केन्द्रीकृत सामग्रियाँ विभाग द्वारा उपलब्ध कराया जायेगा को संपादित कराने हेतु विद्युत सुरक्षा निदेशालय द्वारा निर्गत "क" श्रेणी के लाइसेन्स धारकों एवं दक्ष ठेकेदारों से दो भागों में अलग-अलग मुहरबन्द निविदायें निविदा के सम्मुख अंकित दिनांक को 14.00 बजे तक आमंत्रित की जाती हैं, जो उसी दिन 16.00 बजे निविदादाताओं अथवा उनके अधिकृत प्रतिनिधियों के समक्ष खोली जायेंगी। निविदा खुलने की तिथि को अवकाश होने की स्थिति में निविदायें उपरोक्त निर्धारित समय तक अगले कार्य दिवस में प्राप्त/खोली जायेंगी। निविदा के प्रथम भाग में (1) धरोहर राशि, (2) स्वयं द्वारा प्रमाणित अद्यतन "क" श्रेणी का लाइसेन्स (3) फर्म की साख की पुष्टि हेतु अभिलेख (4) अनुभव के संबंध में विगत वर्षों में समान कार्य को संपादित करने संबंधी अनुबन्ध/अनुबन्धों की सूची निर्धारित प्रपत्र में प्रस्तुत करना होगा। 33/11के0वी0 विद्युत उपकेन्द्र एवं 33के0वी0 लाइन के निर्माण कार्य को सन्तोाजनक रूप से ससमय पूर्ण करने सम्बन्धी कार्यदायी संस्था द्वारा जारी प्रमाण पत्र संलग्न करें। (5) निविदा प्रपत्र में विस्तार से दिये गये निर्धारित अर्हता के अन्तर्गत सूची प्रमाण के साथ प्रस्तुत करना होगा। निविदा के द्वितीय भाग में मदवार दरें व वाणिज्यिक शर्तें देनी होंगी। निविदित कार्य की मात्रा 50 प्रतिशत बढ़ाई-घटाई जा सकती है। प्रत्येक निविदा प्रपत्र का मूल्य निविदा के सम्मुख अंकित (अप्रतिदेय) व्यापार कर सम्मिलित करते हुए, "PA,CZE UP POWER CORP.LTD, Lucknow" के पक्ष में देय बैंक ड्राफ्ट के साथ खुलने की तिथि से एक दिन पूर्व तक प्राप्त किये जा सकते हैं। निविदा प्रपत्र मध्यांचल विद्युत वितरण निगम लि0 की वेबसाइट www.mvvn1.in से भी प्राप्त/डाउनलोड किये जा सकते हैं। वेबसाइट से प्राप्त किये गये निविदा प्रपत्र का मूल्य का बैंक ड्राफ्ट निविदा के प्रथम भाग में रखना अनिवार्य होगा। प्रत्येक निविदा की धरोहर राशि निविदा के सम्मुख अंकित राष्ट्रीयकृत बैंक द्वारा जारी बैंक ड्राफ्ट/एफडीअर/सीडीअर/ टीडीअर "PA,CZE UP POWER CORP.LTD, Lucknow" के पक्ष में देय, संलग्न करना होगा। निविदा के प्रथम भाग में वांछित अर्हकारी शर्तें पूर्ण करने वाले निविदादाताओं की ही निविदा का द्वितीय भाग खोला जायेगा। सभी कार्य एल0ओ0आई0 निर्गत होने की तिथि से 3 माह के अन्दर पूर्ण करने होंगे।

1. निविदा सं0 48-मु0अ0(ल0क्षे0)/कार्य/2015-16 : 33/11 केवी विद्युत उपकेन्द्र, खीरी टाउन की क्षमता वृद्धि 1x5 एम0वी0ए0 से 1x10 एम0वी0ए0 किये जाने हेतु कार्य संपादित कराया जाना। निविदा प्रपत्र मूल्य रू0 570/-धरोहर धनराशि रू0 5,000/- निविदा खुलने की तिथि 16.03.2016।
2. निविदा सं0 49-मु0अ0(ल0क्षे0)/कार्य/2015-16 : 33/11 केवी विद्युत उपकेन्द्र, गढ़ी, लखीमपुर की क्षमता वृद्धि 2x10 एम0वी0ए0 से 2x10+5 एम0वी0ए0 किये जाने हेतु कार्य संपादित कराया जाना। निविदा प्रपत्र मूल्य रू0 570/-धरोहर धनराशि रू0 5,000/- निविदा खुलने की तिथि 16.03.2016।
3. निविदा सं0 50-मु0अ0(ल0क्षे0)/कार्य/2015-16 : 33/11 केवी विद्युत उपकेन्द्र, बरबर जनपद लखीमपुर की क्षमता वृद्धि 3x5 एम0वी0ए0 से 2x5+10 एम0वी0ए0 किये जाने हेतु कार्य संपादित कराया जाना। निविदा प्रपत्र मूल्य रू0 570/-धरोहर धनराशि रू0 5,000/- निविदा खुलने की तिथि 16.03.2016।
4. निविदा सं0 51-मु0अ0(ल0क्षे0)/कार्य/2015-16 : 33 केवी गढ़ी उपकेन्द्र की 33 केवी पोाक लाइन के 4 किमी0 रैकून को डाग कण्डक्टर से बदलने हेतु कार्य संपादित कराया जाना। निविदा प्रपत्र मूल्य रू0 570/-धरोहर धनराशि रू0 5,000/- निविदा खुलने की तिथि 16.03.2016।

मुख्य अभियन्ता(ल0क्षे0)

“राट्ट हित में बिजली बचायें”

**NOTE :- PART – II OF Those tenderers shall be opened
who will qualify the Part – I Conditions.**

PRE QUALIFYING REQUIREMENT

1. The Tenderer should be registered as 'A' Class Contractor with the Director, Electrical safety, Lucknow/UP.
2. The Tenderer should have average turnover of more than Rs. 30 Lacs in Last three successive years duly authenticated and issued by C.A./ competent authority with balance sheet.
3. The Tender should be registered in Trade Tax & Income Tax. Details of Tin No. & Pan No. mandatory should be mentioned preferably photocopy be enclosed.
4. The Tenderer should be registered in Service Tax department quote registration number. Photocopy of Service Tax Registration Certificate must also be submitted.
5. The Tenderer must have Experience of similar type of work. Please also submit performance and work completion certificate of successful and satisfactory work completion, issued by competent authority SE/EE(D).
6. The tenderer have to supply the Decentralized item along with the work as per BOQ.
7. Department shall provide only centralized items.

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4. From 'A' (of work)
5. Technical Specification.

Instruction of Tenders for Execution of works

Tenders are requested to go through the instruction carefully and furnish complete information along with our tender bid offer falling which their tender may not be considered at all. Tenders shall be received in two parts each shall be in separate cover as under:-

1. Tender Bid Part-I- Shall contain earnest money to be submitted in the prescribed form. The sealed cover for this part of the bid shall be super scribed" Tender Bid Part-I (Earnest Money) against tender specification No.49-CE(LZ)/2015-16, Due for opening 16.03.2016 at 16.00 hrs.

2. Tender Bid Part –II: - shall contain the technical and commercial particulars including prices and other document in respect of pre-qualification of Tender. The sealed cover containing this part of tender bid shall be super scribed "Tender Bid Part-II. (Technical, Commercial & Prices) against Tender specification No. 49-CE(LZ)/2015-16 Due for opening 16.03.2016 at 16.00 hrs.

3- Tender Bid Part- I & II :- shall be kept in one big cover duly sealed and marked as tender specification No.49-CE(LZ)/2015-16 Due for opening 16.03.2016 at 16.00 hrs.

4. Only such firms need tender who are having sufficient experience of the work or are authorized representative of such firms and can produce satisfactory evidence that they have necessary resources and organization to undertake the work tendered for the satisfaction of the tendering authority.

5. In case of any consistency of the provision of Form A the provision under specification condition will supersede / prevail.

6. Tenders are requested to submit the price schedule appendix duly filled in item by item as required and should strictly follow the instruction & notes supplementary there too to facilitate the tendering authority to prepare the comparative statement. Failure to do so may prevent the tender form being considered.

7. Tenders should quote the earliest completion of the work & per month delivery programmed.

8. Any portion of terms & conditions as laid down in the condition of the contract, Form 'A' enclosed along with nature of work etc. which is not clear to the tenders should be got clarified before submission of the tender. Tenders are requested to adhere to all clauses to the contract Form 'A' to facilitate finalization of the contract. In case, they are unable to do so, should state any particular clause of the conditions which may not be acceptable to them and should suggest alternative for consideration.

9. The tendering authority does not suggest pledge to accept the lowest or tender reserves to himself the right of rejecting the whole or any portion of the tender as he may think fit assigning any reason for non-acceptance or selection.

10. Chief Engineer (Lko.Zone), Lucknow may revise or amend the specification and drawing prior to the date notified for opening of the tender. Such revision and amendment, if any will be communicated to all tender as amendment or addenda to this invitation of the tender.

11. Any portion on the part of the tender to revise the prices/ prices and/or to change the structure of price/ prices at his own instance after opening of tenders may result in rejection of tender and also debarring his from submission of the tenders to the Corporation at least for one year.

12. Any approach etc. officially or otherwise on the part of the tender or his representative shall tender his tender liable to summarily rejected.

13. Tender of those tenders, who have not purchased the tender specification, shall not read at the time of opening and shall be rejected outright.
14. The Price of Tender Specification will not be refunded under any circumstances.
15. The tendering authority reserves the right to increase or decrease by 20% of the tender quantity or to split the order between two or more parties.
16. In case of ambiguous or self contradictory terms / conditions mentioned in the tender interpretation as advantageous to the Corporation shall be taken without any reference to the Tender.
17. In case tender offers any deviation from these specification, the same should be clearly submitted in the Tender Bid Part-II (Annexure-IV) However, the tendering authority reserve the right, whether to accept the deviation or not.
18. Any overwriting/ cutting/ erasing etc. in the tender should be dully signed and stamped.
19. In no case, payment will be made by the letter of credit.
20. The offers of tenders quoting less than the specified validity may be acceptable at all.
21. In no case, Corporation will be held responsible to arrange the T&P any other things.
22. In successful tenders will have to enter into an agreement within 15 days of receiving the information of accepting their tender.

Tender part-I (Earnest Money): should contain following:

23. The part -I of the tender bid shall contain the Earnest Money amounting 5,000.00 (Rs. Five Thousand Only) to pre-qualification of tender.
24. In case part quantity offered, Earnest Money deposit shall be reduced proportionately.
25. Tenders are required to furnish Earnest Money amount in the shape of FDR/CDR/TDR/SDR/Bank guarantee of scheduled bank duly pledged in favor of "PA,CZE UP POWER CORP.LTD, Lucknow". These should be submitted along with the tender bid Part-I Tenders without fresh Earnest Money will not be considered.
26. The Earnest Money deposited by the tenderer will be refunded after finalization of tender, in the event of his tender being rejected/not accepted. In the event of tender accepted, the Earnest Money shall be retained by the tendering authority and adjusted against the security deposit specified under and shall be released only on satisfactory completion of supplies.
27. It may not be clearly that in case the offer is not with the valid Earnest Money, Part-II of the tender bid will not be opened.

TENDER BID PART-II

28. Only tender of those tenders shall be considered who have sufficient experience of such type of works & have necessary resources & organization to undertake the work tendered to the satisfaction of the tendering authority.
29. All the Tenders must submit list of major order (such type of supplies) supplied by them during last year's.
30. All the tenders must submit past performance report of any of the similar supplied by them.

TENDER FORM:

Tender form duly filled shall be submitted by the Tender er with the Tender Bid Part-II (Annexure-II).

Validity of Tender: - 150 days from the date of opening of tender.

31. Any other information, which may be considered necessary by the Tender but not covered the specification is submitted.

32. Schedule or supply or materials be also submitted as per enclosed Annexure-II.

33. Any other information which may be considered necessary by the tender but not covered in the specification is submitted.

Prices:-

34. The tenders are requested to quote prices in the tender of supply Performa item wise (Annexure-VI) in ink both in words as well as in figures.

35. The quoted prices should be firm & firm in all respect thought the currency of the contract /agreement.

36. The tenders should note clearly that the tenders with the variable prices shall not be considered at all.

37. Any other charges/ duties/ taxes/ levies etc. should be specified mentioned separately the price schedule.

PAYMENT:

38. 100% Payment will be made within 30 days after completion of work.

39. In any case, no payment will be made by the letter of credit.

DISPUTE:-

For any dispute arising out of contract Managing Director, M.V.V.N.L. 4-A, Gokhale Marg, Lucknow will decide and his decision shall be binding on both the parties.

Chief Engineer (LZ)

(PART – II)

ANNEXURE – I

TENDER FORM

(TO BE SUBMITTED IN TENDER BID PART – II)

From :

To,

Chief Engineer (Lko.Zone)
Madhyanchal Vidyut Vitran Nigam,
IV/89, Indralok Hydrel Colony,
Krishnanagar,
Lucknow.

Subject : Tender _____ for _____
against Tender No _____ due for opening on _____

Sir,

With reference to your invitation to tender for the above, I/We hereby offer to the U.P. Power Corporation Limited, the items in the schedule of delivery annexed or such portion thereof as you determine in strict accordance with the annexed condition of Contract Form – 'A' specification of the satisfaction of the purchaser or in default there of to forfeit to pay to the U.P. Power Corporation Limited the sum of money mentioned in the said condition. The rates quoted are inclusive of pro-rata and in full satisfaction of all claims.

I / We agree to abide by this tender for a period of 150 days from the date fixed for opening of the same.

I / We hereby undertake & agree to execute a contract in the form of annexed hereto in accordance with the condition of contract.

Yours faithfully,

Date :

Witness :

Signature of Tenderer With seal

ANNEXURE – II

TENDER PROFORMA

(To be filled & submitted by the Tenderer in Tender Bid Part –II)

Your tender shall not be considered, if you fail to submit this proforma duly filled. Replies should be complete without ambiguity and should be clearly written against each item.

Terms such as “Refer covering letter etc.” shall not be acceptable you may, however, attach extra sheets, if the space is not sufficient.

- | <u>Sl</u> | <u>Particulars</u> |
|-----------|---|
| 1. | Specification No. against which you have tendered. |
| 2. | Receipt No.& Date by which cost of tender specification was deposited by you. |
| 3. | Name & Address of the tenderer. |
| 4. | Location of works / offices |
| 5. | Weather tenderer is contractor / agents of contractor (authentic proof regarding agents of contractor to be enclosed) |
| 6. | Amount of earnest money deposited with full details be submitted here. |
| 7. | Quantity offered (If there are too more items state quantities separately with units) |
| 8. | Do you agree to all conditions of Form - A & tender specification & if not, state the modifications clearly in the schedule enclosed as annexure which you would desire in Form – A & other terms & conditions (It may please be noted the it shall be entirely at the discretion of the competent authority to accept or reject the modifications proposed.) |
| 9. | Pl. state clearly (answer Yes / No.), if you would agree to undertake the supplies in case the medications as suggested in Sl. No. 8 is not acceptable to the corporation without imposing any further condition / conditions from the site. |
| 10. | Name & Detailed address of your Authorised representative against this order / agreement. |
| 11. | Name & detailed address of tenderer proprietor/ Partners/ Directors be given. |
| 12. | Give two references who can certify your financial status & capability to undertake such supply order one of the reference should be schedule Bank of India. |

13. Do you confirm that there are no typographical errors / omissions in your tender & all other documents, forming part of the tender (answer Yes / No)
14. What is the validity of your Tender ?
15. What is the completion / delivery period, pl. state if the completion is guaranteed under penalty ?
16. Are you agreeable to the completion period being reckoned from the date of receipt of letter of acceptance by you ?
17. Do you agree to furnish security deposit, if order is placed with you (Answer Yes / No) ?
18. What is the term of Payment ?
19. Give Sales Tax registration No.
 - a) Central Sales Tax No
 - b) State Sales Tax No.
20. Pl. enclosed the certified copy of the latest income tax clearance certificate.
21. Pl. enclosed the list of machines and testing equipments etc. with you for execution of work at site.
22. Weather all the schedule & documents required have been submitted or not ?

TECHNICAL SPACIFICATIONS / PRICES :

23. Is the material offered is according to the specifications of the tendering authority.
24. Have you filled up the schedule of completion of works (Annexure-III) ?
25. Pl. indicate clearly if the quoted prices are Firm & Firm in all respect through out the currency of contract / agreement.
26. If the quoted rate are inclusive/exclusive of **Service Tax**/ any taxes / duties / other charges, give details of such taxes / duties / other charges.
27. Pl state, if you would claim any other charges over & above the prices as extra, which are not covered above if Yes, Pl. state each separately indicating the amount in Rs. against each on per unit basis.
28. Do you offer any discount and if so, then what is the rebate / discount in Rs. per unit ?

Date :

Signature of the tenderer with Co. seal.

Place :

ANNEXURE – III
COMPLETION PERIOD

SCHEDULE OF COMPLETION OF WORK(S) AGAINST TENDER No. _____ DUE FOR OPENING ON _____
AT 16.00 HRS.

SI No.	Particulars of work	Quotated quantity	Completion period		
			Commencement	Rate per month	Completion

Date :

Signature of the tenderer with Co. seal.

Place :

ANNEXURE – IV

DEVIATION IN GENERAL TERMS & CONDITIONS OF CONTRACTS FORM – A AND OTHER TERMS & CONDITIONS

U. P. POWER CORPORATION LIMITED AGAINST TENDER No. _____.

(To be filled and submitted by the tenderer in tender Bid Part- II)

The General Conditions of contracts Form – A and other terms & conditions of the specifications have been studied carefully and it is hereby confirmed that all the terms & conditions contained in Form – A and other terms & conditions of specifications under reference are acceptable except the deviations given below.

Sl No.	Description of clause No. etc.	Stipulated in Form –A / U.P.P.C.L. specification	Deviation offered	Remarks if any

Date :

Signature of the tenderer with Co. seal.

Place :

Note : In case no, deviation the NIL information should be furnished.

Bill of quantity against Tender No.49-CE(LZ)/2015-16 for Increasing Capacity of 33/11 KV S/S Garhi,Lakhimpur from 2x10 to (2x10+1x5)MVA to be opened on 16.03.2016

Sl.No	Description of work	Unit	Qty.	Rates (Figure)
1	Safe Carriage of all the following material from Electy. Store Centre Lakhimpur to 33/11 KV S/S Garhi,Lakhimpur. Distance 01 Km.(approx.) including loading, unloading and proper stacking.			
a	33 KV Post Insulator	No.	6	
b	33 KV Bus Isolator	No.	2	
c	33 KV Line Isolator	Set	1	
d	33 KV VCB With structure.	No.	2	
e	33 KV CT 400/200/1 Amp.	No.	6	
f	33KV Single T/F control panel	No.	1	
g	33 KV Control Panel Single circuit feeder	No.	1	
h	33 KV Lightening Arrestor	No.	6	
i	11 KV Switchgear			
j	Incoming 600/300/5A 350 MVA	No.	1	
k	Outgoing 300/100/5A 350MVA	No.	2	
l	11 KV 3x300 sq.mm. XLPE Cable	Meter	100	
m	11 KV 3x185 sq.mm. XLPE Cable	Meter	120	
n	11 KV Jointing Kit 3x185 sq.mm. I/D, O/D	No.	4	
o	24 Volt Battery and Battery Charger	No.	1	
p	Panther conductor	Mtr	300	
q	MS Channel 125x65x6mm	Kg.	1350	
r	MS Channel 100x50x6mm	Kg.	400	
s	MS Angle65x65x6 mm	Kg.	500	
t	MS Round Bar 32 mm	Kg.	2682	
2a	Lightening Arrestor, Post Insulator. & CT Structure fabrication of isolator structure 3.5 mtr. in height as per Drg.No.RES-39, digging of two no pits of size 1.075x0.9x0.3 mtr. providing stone pad at the bottom of the pit and grouting of two legs of the Structure in CC(cement coarse sand and stone grit of 20mm gauge) of the ratio 1:4:8 in block of 1.075x0.3 mtr. including all civil material, T&P complete in all respect. The work includes dragging, shifting up to 40 Mtr., raising and erecting the two legs with runner on proper alignment and level and plumb. Both plinths of the structure shall be properly finished with smoothing of edges. (All steel section to be supplied by the contractor).	No.	6	

b	Isolator Structure: fabrication of Isolator Structure 3.5 mtr in height as per Drg.No.RES-39 digging of two no. pits of size 1.075x0.9x0.3 mtr. providing Stone Pad at the bottom of the pit and grouting of two legs of the isolator structure in CC(cement coarse sand and stone grit of 20mm gauge) of the ratio 1:4:8 in block of 1.075x0.3 mtr. including all civil material, T&P complete in all respect. The work includes dragging, shifting up to 40 Mtr., raising and erecting the two legs with runner on proper alignment and level and plumb. Both plinths of the isolator structure shall be properly finished with smoothing of edges.	No.	3	
3	Plinth of 05 MVA 33/11KV T/F: Construction of plinth of size 3.46 x3.46 Mtr. For 05 MVA T/F having 0.4 Mtr. above ground level. The work includes excavation of foundation, base concretion of CC 1:6:12 ratio (cement, fine sand & brick ballast) first class brick work in cement mortar of ratio 1:4 foundation CC in 1:4:8 ratio(cement, fine sand & brick ballast) and RCC work in ratio 1:2:4 (cement, coarse sand and stone grit of 20mm gauge using MS bar of 10mm dia(tor) in reinforcement including its cutting, bending & binding in required shape. The work also includes laying of 2 No. 3.46 mtr. long rail pieces complete with cutting, welding & proper fitting etc. The plinth will be made as per drawing and shall be plastered/ finished on top and sides of the plinth.	No.	1	
4	Installation of Isolators: Assembling and installation of line/ bus isolator on the isolator structure adjusting of opening mechanis in proper alignment so as to ensure smooth operation of the same. In case of line isolator proper operation of earth links shall also be ensured. The work includes fabrication for proper flexing if required.	Set	3	
5	Installation of Post Insulators/ Lightning Arrestors : Assembling, installation & mounting of 3 No.(1set) L.A. on the L.A Structure/complete with making earth connections(separate) and line connections. The work includes fabrication for proper fixing if required.	No.	12	
6	Installation of CT: Installation of 3 No.(1 set) CT on the CT Structure alongwith CT J/B. The work includes fabrication for proper fixing if required.	No.	6	
7	Plinth of VCB : Construction of Plinth of size 2.0 mtrx1.5mtrx0.9mtr. suitable for erection of upper structure of 33KV VCB including grouting of anchor bolts in proper alignment and level. Scope of work includes excavation of foundation base concreting in CC 1:6:12 (cement, fine sand & brick ballast) 1st class brick work in cement mortar ratio 1:4:8 (cement, coarse sand and stone grit of 20mm gauge) as per Drg.	No.	2	
8	Installation of VCB: Installation of 33KV VCB complete work including commissioning.	No.	2	
9	Erection and installation of 33/11KV 05 MVA T/F			
a	Erection and installation of 33/11KV 05 MVA T/F in a levelled position of the plinth. The work includes shifting of T/F to the site on installation within the S/s premises, assembling, fixing and fitting of all accessories and filling of T/F oil to the desired level and ensuring that there is no leakage. All jumpering & connection are included in the scope of work.	No.	1	
b	Fabrication and grouting of MS Channel 100x50mm in L Shape & in proper size and alignment to provide support for the two separate earthing strips for power transformer neutral including supply & fixing of two no. flexible copper bonds for neutral earthing.	No.	1	

c	Fabrication and erection of cable support made of two pieces of MS channel 100x50mm, 3.0 mtr. long joined to each other by means of 5 no. MS Flat 50x6mm pieces of size 150mm long each by welding at equal intervals as per drawing and grouting in block of size 300x300x700mm complete with one coat of ready mixed primer and two coats of Al. Paint. This includes providing of four no. MS Clamp made of MS Flat holding the cable including nuts & bolts and fixing of XLPE cable.	No.	1	
10	Installation of 24 Volt 15 AH sine wave battery and battery Charger including its commissioning.	Job	1	
11	Well type earthing by way of boring and lowering of “B” class G.I. pipe 50 mm dia from ground upto the water level (approx. 60 ft. deep) to the lower level of pipe is to be connected to the G.I. strip of size 50x6 mm for transformer neutral connection. The earth strip will be welded to the G.I. Pipe. The work also includes cap and clamp for pouring water. The cost of all material with all labour & T&P etc. complete in all respect.	Job	2	
12	Earthing of Indoor equipments and all newly erected structure in switchyard with MS Plate 50x5 mm with proper welding and connecting it with Main Earth Mat.	Job	1	
13	Earthing of Outdoor equipments and all newly erected structure in switchyard with MS Plate 50x5 mm with proper welding and connecting it with Main Earth Mat.	Sq. Mtr	520	
14	Laying & dressing of 11 KV, 3x300 Sq.mm. XLPE cable underground from 10 MVA T/F to 11 KV incoming switchgear in the trench 500 mm wide, 900 mm deep as per ISS. The job includes the cost of brick, sand and stone slab of 600mm x 450mm x50mm and laying of cable and hoisting on cable stand.	Mtr.	100	
15	Laying & dressing of 11 KV, 3x185 Sq.mm. XLPE cable underground from 10 MVA T/F to 11 KV incoming switchgear in the trench 500 mm wide, 900 mm deep as per ISS. The job includes the cost of brick, sand and stone slab of 600mm x 450mm x50mm and laying of cable and hoisting on cable stand.	Mtr.	120	
16	Fixing of 11 KV, 3x300 sq.mm. XLPE cable boxes mounted with T/F and switchgear.All T&P, cable boxes and other material required shall be supplied by the contractor.	Job	4	
17	Fixing of 11 KV, 3x185 sq.mm. XLPE cable boxes mounted with T/F and switchgear.All T&P, cable boxes and other material required shall be supplied by the contractor.	Job	4	
18	Supply & Laying of following size copper control cable including providing control cable through underground/cable trench/trenching SGR interlinking through proper connections Transformer control panel/protection board/battery & battery charger/Buchholz relay 33/11 KV Transformer junction box/33 KV VCB, CTs etc. as per site conditions.			
19	2x2.5mm ²	Rmt	200	
20	4x2.5mm ²	Rmt	200	
21	Stringing of 33 KV Busbar on ACSR Panther conductor from terminal gantry through all equipments upto T/F, and between bus gantry, including providing Disc fitting, connectors and P.G. Clamps of panther conductor.	Job	1	
22	Supply and fixings of CT junction box	Job	2	
23	Painting of newly erected equipment from outside with super enamel synthetic grey paint in two coats after providing of red oxide paint as primer.	Job	1	

24	Dismantling of existing busbar of old wornout Racocon/Dog conductor, including opening & cutting of old rusted, P.G. Clamp, connectors & disc fittings.	Job	1	
25	Safe Carriage of all the old & unusage equipment from 33/11 KV S/S Garhi,Lakhimpur to Electy. Store Centre Lakhimpur. including loading, unloading and proper stacking of Scrap of Fuse Set and other material etc	Job	1	
26	Strengthening of old Bus Bar and 2 No. T/F Bay connecting it all equipments complete in all respect.	Job	1	
27	Testing & Commissioning of 33 KV VCB, T/F & newly erected equipments etc.	Job	1	

Note- All the centralized material to be supplied by the department.

Any other material, fitting (i.e. all connections, PG Clamps, gun fitting etc.) accessories, equipments, apparatus which might not have been mentioned in the bid document but which are used and necessary for completion of the work as per RESSPO Norms/relevant ISS shall be arranged by the contractor. All T&P and labour required for successful completion of work shall be supplied by the contractor.

Date :

Place :

Signature of Contractor with seal