



ASSAM UNIVERSITY: SILCHAR
NOTICE INVITING TENDER

Assam University, Silchar, invites sealed tender with a validity period of 90 (Ninety) days from the date of receipt of tender in prescribed format available in the Engineering Section of Assam University, Silchar from the Govt. Registered/Enlisted Electrical contractors / Electrical Firm of APDCL/ APWD/CPWD of **appropriate class and category** having valid registration/Enlistment and authorization to provide necessary i) Test certificate ii) Line diagram of Transformer iii) Duly filled up prescribed agreement form for further communication to appropriate authority i.e., APDCL for the work as mentioned below:-.

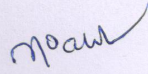
Name of Work	Estimated Cost	EMD	Time of Completion	Cost of Tender Paper	Last date of submission of Tender	Due date and time for opening of sealed tender Paper
Supply & Installation of 500 KVA Distribution Transformer at Assam University, Silchar	₹ 12,84,793/-	₹ 25,700/-	60 (sixty) Days	₹ 500/-	20.03.2018 upto 2.00pm	20.03.2018 at 3.00pm

The eligible Contractor who are financially sound and proficient in the **similar nature of works** are to quote their rate in item wise basis, rate should be inclusive of all taxes & incidental charges. Self attested copy of (i) Valid registration certificate (ii) GST Registration (iii) PAN Card (Where PAN of the deductee is not available, Tax at higher of the prescribed rate or 20% will be deducted on all transactions) (iv) Work experience on similar nature of work etc duly signed are to be enclosed with the tender without which the tender will not be accepted.

The interested bidder may contact Engineering Section to examine the nature of work and visit the site to satisfy themselves about the scope of the work before submitting the tender. The duly filled in tenders can be submitted by hand in the Tender Box at Engineering Section, Administrative Building, Assam University, Silchar on 20.03.2018 upto 2.00pm. Tenders will be opened on 20.03.2018 at 3.00pm in presence of the tenderers or their authorized representatives.

The Tender document can be downloaded from University web site www.aus.ac.in for which non refundable tender fees of Rs 500/- per tender payable in DD (Drawn in favour of Assam University, Silchar) to be enclosed as application fees along with tender document. Tender documents can also be obtained from Engineering Section on all working days from 14.03.2018 to 20.03.2018 upto 12 noon. The University reserves the right to accept or reject any or all tenders and does not bind itself to accept the lowest quoted rate without assigning any reasons whatsoever

Assam University reserves the right to accept/reject any or all tender including lowest bidder without assigning any reason thereof. Canvassing in any form will be a disqualification for submission of the tender including submission of tender to the university in future.



Executive Engineer

Date: 13.03.2018

No. AU/ENGG/MAINT/ELEC-146/2017

Copy to:-

1. P.S. to V.C. for kind information of the Hon'ble Vice-Chancellor.
2. Registrar, AUS, for kind information.
3. Finance Officer, AUS, for information.
4. The Director Computer Centre, AUS, for information & with a request to upload the aforesaid notice in University website
5. Notice Board.
6. File.


Section Officer (Engg.)



TECHNICAL BID

Tender for Supply & Installation of 500 KVA Distribution Transformer at Assam
University, Silchar



ASSAM UNIVERSITY, SILCHAR

(A Central University Established by an Act of Parliament)

Silchar-788011, Assam, India.

Certified that this Technical Bid & Price Bid contains (22) pages including the cover page.



ASSAM UNIVERSITY, SILCHAR

(A Central University Constituted under Act. XXIII of 1989)
Silchar – 788011, Assam, India.

No. AU/ENGG/MAINT/ELEC-146/2017

Date:-

NIT/ TENDER PAPER

Name of work: - Supply & Installation of 500 KVA Distribution Transformer at Assam University, Silchar

- Cost of Tender Paper: Rs.500/-
- Estimated Cost: Rs.12,84,793.00
- Earnest Money: Rs. 25,700/-
- Last date of issue of tender paper: 20.03.2018 up to 12 noon.
- Last date of submission of tender paper: 20.03.2018 up to 2 pm.
- Date and Time of Opening Bid: 20.03.2018 at 3 pm.

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CHECK LIST OF DOCUMENTS

1. Valid Registration certificate of Central PWD. / State PWD./APDCL enlisted, as per pro forma 2(a).
2. Certificate in respect to satisfactory completion of electrical works under of Central PWD. / State PWD. /APDCL enlisted department during last 7(Seven) years ending 31.1.2018 , as per pro forma 3(a).
 - i. Three works costing not less than the amount equal to 40 % of estimated cost.

Or
 - ii. Two works costing not less than the amount equal to 60 % of estimated cost.

Or.
 - iii. One work costing not less than the amount equal to 80 % of estimated cost.

Note: Works completion Certificate should be issued by officer not below the rank of Executive Engineer or equivalent. Work order shall not be considered as proof for works completion.

3. Financial Solvency certificate @ 40% or more of the estimated cost for each work , issued in the current financial year from any nationalised bank, as per pro forma 2(b).
4. GST/Service Tax Registration No (Copy to the enclosed).
5. PAN /VAT/ TIN Details (Xerox copy self-attested)

Note: SD money shall be retained for 2 years from th date of completion of the work.

Signature of Agency / Contractor



SECTION -1

No. AU/ENGG/MAINT/ELEC-146/2017

Date:- 13.03.2018

NOTICE INVITING TENDER

Sealed Item rate tenders in two bid system valid for 90 days are invited from Registered/Enlisted Electrical Contractors / Electrical firm of APDCL/APWD/CPWD of appropriate class and category for the work "Supply & Installation of 500 KVA Distribution Transformer at Assam University, Silchar." of estimated amount Rs. 12,84,793.00

Last Date of submission of bid is 20.03.2018 up to 2 pm.

**Sd/-
Executive Engineer**



TENDER CONDITIONS:

1. The Tenderer shall quote his rate as per NIT & the Terms and Conditions enclosed in the Tender document.
2. Tender Documents can be obtained from the Engineering Section of Assam University during working hours against written request and on payment of **Rs 500/- (Five hundred only)** either in cash or by demand draft drawn in favour of Assam University, Silchar, payable at Silchar.
3. **The Earnest Money Deposit (EMD) of Rs. 25,700/-** mentioned above is absolutely mandatory and shall be enclosed along with the tender in the form of **Bank Draft/ FDR /Call Deposit drawn in favour of the Assam University, Silchar** from a scheduled /nationalized bank only, failing which the tender will not be accepted.
4. **Mode of Submission of tender Document:**
 - A. **EMD to be sealed in Envelop No-1**
 - B. **Technical Bid is to be sealed in Envelop No-2**
 - C. **Price Bid is to be sealed in Envelop No-3**
 - D. **Envelop No-1,2&3 to be inserted in a single Envelop-4 , properly sealed and super scribing Name of Work, Closing Date & Name of Agency/Contractor on the cover of the Envelop-4**
 - E. **N.B Sealed Means: Sealing by Wax/Gum/Any Type of Adhesive Tape etc. but not pinned or stapled.**
5. Tenders should be valid for 90 days from the date of opening of the tenders and may have to be extended further if considered necessary by the University. No reasons will be assigned for extension and no withdrawal shall be allowed. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, which-ever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the University, then the University shall, without prejudice to any other right or remedy, be at liberty to forfeit the said Earnest Money Deposit.
6. **The time allowed for completing the work will be 60 (sixty) days from the day of written order to commence the work.**
7. Tenderer are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the University and local conditions and other factors having bearing on the execution of the work.



8. No Telex/ Tele fax/ Telegram/ E-mail of the Techno-Commercial and Price bids will be accepted. The University is not responsible for Postal. Courier delays. The parties have to ensure the receipt of bids well in time.
9. If the date of tender submission and opening happens to be unforeseen holiday, the same will be postponed to the next working day without any further intimation.
10. The University does not bind itself to accept lowest tender and reserves the right to reject any or all the tenders received without assigning of any reason thereof. All tenders in which any of the prescribed condition is not fulfilled or any condition put forth by the tenderer shall be summarily rejected.
- 11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be summarily rejected.**
12. The competent authority on behalf of the University reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
13. This Notice Inviting Tender shall form a part of the contract document.
14. The successful tenderer/ contractor, on acceptance of his tender by the University, shall within 15 days from the stipulated date of start of the work sign the contract agreement in standard form consisting of the notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
15. No materials will be supplied by the University.
16. In case of delay in completion of the work within the stipulated time due to reasons attributable to the contractor, Standard Liquidated Damage @ 1% of the tender accepted value shall be recovered for each day of delay from the final bill or the part there of.
17. The contractor shall obtain a valid license under the contract labour (R&A) Act, 1970, and the contract labour central rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986 and other labour laws. Any failure to fulfill this requirement shall attract the penal provisions of this contract arising out of the resultant no execution of the work. No labour below the age of fourteen years shall be employed on the work.
18. During Opening of tender only representative duly authorized by the agency / contractor will be allowed to be present.
19. All relevant documents submitted with the tender should be self attested (by the agency/ contractor) and on demand original copy must be produced failing which tender will not be considered.
20. Authenticity of signatory (contractor) of tender document will be verified before finalization of tender document.
21. Tax at higher of prescribed rate or 20% will be deducted on all transactions liable to TDS, where the permanent Account Number (PAN) of the deductee is not available.



22. In case of any dispute, it would be referred to a sole Arbitrator to be appointed by the University authority. The decision of the sole Arbitrator will be final and binding to both the parties.
23. 10% security money will be retained by the University from the bill value which shall be released after 02 (two) years of satisfactory completion of work.
24. EMD of unsuccessful bidder shall be released within 02 (two) months after issue of work order to the successful bidders.
25. If the work is found not as per specification or abandoned by the executing contractor/agency, same will be cancelled and remaining work will be done through other contractor/agency at their cost & risk.
26. **Those bidders who accept the above terms and conditions, may submit their tender along with all relevant documents and a copy of above terms and conditions of the tender duly signed**

**Sd/
Executive Engineer**



SECTION-2

PROFORMA – 2(a)

DETAILS OF CONTRACTOR'S REGISTRATION

1. Name of Agency/ Contractor :
2. Name of the Department issued contractor's registration :
3. Registration No/Enlistment No. :
4. Class of Registration/ Enlistment :
5. Category of Registration / Enlistment
6. Valid Electrical License Registration No :
7. Tender limit :
8. Validity period :

Copy of Registration certificate to be enclosed

Signature of Agency/ Contractor



TENDER

I/We have read and examined the notice inviting tender, schedule, specifications applicable, General Rules and Directions, Conditions of contract and special conditions , schedule of rate and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work .

I/We hereby tender for the execution of the work specified for AU , Silchar within the time specified and in accordance in all respects with the specification, designs drawings and instructions in writing referred to in General Rule and Directions and in the conditions of contract and with such materials as are approved by the University Authority, and in respects in accordance with, such conditions so far as applicable .

I/We agree to keep the tender open for -----days from the due date of submission thereof and not make any modifications in its terms and conditions.

A sum of Rs 25,700.00 is hereby forwarded in FDR/ Call deposit in favour of Assam University, Silchar of scheduled Bank as earnest money. If I/We, fall to commence the work specified I/We agree that the A.U., Silchar or his authorizes officer successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to therein and to carry out such deviations as may or orders, up to maximum of the percentage mentioned in the conditions of contract and those in excess of limit at the rates to be determined in accordance with the provision mentioned in the tender form.

I/We agree that should I/We fall to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of the invitation of tender shall absolutely be forfeited to the Silchar and the same may be the option of the competent authority on behalf of the A.U. Silchar be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/ us under this contract or otherwise.

Date

Signature of Contractor

Postal Address & Tele No.



SECTION –3

GENERAL RULES AND DIRECTIONS

1. SUBMISSION OF TENDER

- (a) The General Conditions of Contract for Central PWD /APWD Works shall be the guiding principles for this work. Tenderers are advised to procure the same and familiarize themselves with the provisions of the above mentioned Conditions of Contract.
- (b) The University reserves the right to alter, modify any Tender Conditions, technical specifications etc., before tender opening and may seek fresh quotation depending upon necessity, and may even withdraw/ cancel the tender, without assigning any reason.

(c) All amendments/ revisions to tender documents issued by the University, if any, must be signed and submitted along with the tender. The tenderers are advised to submit the tender based strictly on the terms and conditions and specifications contained in the tender documents, and not to stipulate any deviations.

2. (a) Tenders shall be prepared and submitted in sealed envelop super scribed as “Tender No..... Dated:..... DUE FOR OPENING ON FOR THE WORK “. The full name, Postal address, telegraphic address and telex/ telefax /telephone No. of the tenderer shall be written at the bottom left corner of the sealed envelop.

b) Insertion, postscript, addition and alteration shall not be recognized unless confirmed by the Tenderer's signature.

In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney.

3. TENDERER TO INFORM HIMSELF FULLY:

The tenderer is required to carefully examine the technical specifications and other details relating to the work given in the Tender documents and fully inform himself as to all conditions and matters that may in any effect the work or the cost thereof. The tender shall be deemed to have himself independently obtained all necessary information for the purpose of preparing the tender and his tender as accepted shall be deemed to have taken into account all contingencies as may arise due to such information or lack of the same.



PARTICULARS OF TENDER:

Last Date and Place of Tender Submission : Engineering Section, Assam University,
Silchar by **20.03.2018 up to 2.00 P.M.**

Date and Place of opening of Technical Bid : Engineering Section, Assam University,
Silchar on **20.03.2018 at 3.00 P.M**

Validity of tender: Tender shall remain valid for acceptance for a period of not less than **90 days** from the date of opening of tenders which may be required to be extended in public interest at the discretion of the University Authority.

CLARIFICATIONS:

The Tender Document issued is complete in all respect and no further clarifications are elaborated. However, in so far Technical Clarifications if any are concerned even though not binding on University can be ascertained from the University.

QUOTATION OF PRICE / RATES

This **being Item Rate Tender**, the tenderer shall state at what rate he will be willing to undertake the work. Rate should be quoted both in figure & words.

COMPLETION TIME:

The completion time is the essence of the contract. The Tenderer shall complete the work within the period indicated in the Notice Inviting Tender.

TRANSFER OF TENDER DOCUMENTS/ TENDERS:

Transfer of tender documents purchased by one tenderer to another is not permissible. Similarly transfer of tenders submitted by one tenderer to another is not permissible under any circumstances. The alteration of essence of tender once submitted is also not permissible.

LANGUAGE:

The Tender shall be submitted in English language only.



EARNEST MONEY DEPOSIT:

1. The tender must be accompanied by the Earnest Money Deposit pledged in favour of Executive Engineer, Assam University, Silchar, in the form of Demand Draft / FDR/Call Deposit as indicated in the Notice Inviting Tender. If the tenderer after submitting his tender resiles from his offer or modify the Terms and Conditions thereof in a manner not acceptable to the University, the Earnest Money will be forfeited. Tenders not accompanied by the earnest money deposit will not be considered and will be summarily rejected.
2. On Non-acceptance of tender, but in any case not earlier than the expiry date of the period for which the tender is kept open, the Earnest Money shall be discharged.
3. Should the Tender in question be withdrawn or cancelled by the University, which the University shall have the right to do at any time, Earnest Money will be discharged.
4. Should the successful tenderer fail or refuse to duly sign the contract within the period fixed by the University or fail/refuse to commence the work within the stipulated time, the Earnest Money shall be forfeited without prejudice to his being liable for any further loss or damage incurred in consequence by the University.

NO CLAIM FOR COMPENSATION FOR SUBMISSION OF TENDER:

The Tenderer whose tender is not accepted shall not be entitled to claim any costs, charges and expenses of any incidental to or incurred by him thorough or in connection with his submission of tender, even though the University may modify/ withdraw the Tender.

LOWEST TENDER NOT NECESSARILY TO BE ACCEPTED:

The University reserves the right to accept any Tender it considers advantageous / superior and is not bound to accept the lowest alone and need not assign any reasons for non-acceptance.

TENDER EVALUATION:

The Tenders received and accepted will be evaluated to ascertain the best and lowest workable tender in the interest of the University, for the complete work covered under the technical specifications and documents.



SECTION – 4

TERMS AND CONDITIONS GOVERNING THE TENDER AND EXECUTION OF CONTRACT THEREOF.

1. DEFINITIONS:

a) Unless otherwise required by the subject or context the terms herein below shall have the following meanings.

The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority on behalf of Assam University and the Contract, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Registrar, Assam University and all the these documents taken together, shall be deemed to form one contract and shall be complementary to one another.

b) **Client** means Assam University acting through The Executive Engineer Assam University, Silchar.

c) The **Contractor** shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assigns of such individual, firm or company,

d) The expression **works** or **work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.

e) The **site** shall mean the land/ or other places, on, into or through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.

f) **Tender Value** means the value of the entire work as stipulated in the letter of award.

g) Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.

h) As stated in Section III, Clause 1.1, the General Conditions of Contract for Central PWD Works shall be the guiding principles for this tender. The Clauses of Contract mentioned therein shall also be applicable herein and only those Clauses that need addition, emphasis and modification in context of this tender are enumerated below. Contractors are once again advised to familiarize themselves with the General Conditions of Contract for Central PWD Works.



2. SIGNING OF CONTRACT AGREEMENT

i. On the tender being accepted by the Client, a formal contract may be signed and executed by and between the Client and the successful tenderer within a time to be fixed by the Client, which shall anyhow be within 15 days from the stipulated date of start of the work.

ii. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

3. SCOPE OF WORK

i. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.

ii. The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in price bid which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

4. DISCREPANCIES AND ADJUSTMENT OF ERRORS

i. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

ii. If there are varying or conflicting provisions made in any one document forming part of the contract, the Registrar, Assam University shall be the deciding authority with regard to the intention/ interpretation of the document and his decision shall be final and binding on the contractor.

iii. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contracts.



5. TERMS OF PAYMENT

Subject to any deduction, which the client may be entitled to make under the Contract, all payments to contractor for the work would be made through individual account transfer in favour of the contractor on **satisfactory completion report of Site (i/c) of the proposed work.**

6. SECURITY DEPOSIT

10% Security Deposit will be retained by the University from the bill value, which shall be released after two years from the date of completion of the work. During this defect liability period, any defect(s) in the work done shall be rectified by the Contractor at his/her own cost and expenses, failing which the Security Deposit will be forfeited.

7. RELEASE OF SECURITY DEPOSIT

Release of the security deposit will be done after 24 months of final acceptance of the work by the Assam University, Silchar.

8. SUB CONTRACTING OF THE WORK

The Contractor is not permitted to assign or transfer his/ their obligation or benefit under the contract either in full or in part to other individuals/ firms / agencies. However, under extreme circumstances where sub-contracting of part of the work is unavoidable, prior written permission of Client shall be taken by the Contractor.



Price Bid

Name of Work: - Supply & Installation of 500 KVA Distribution Transformer at

Assam University, Silchar

Estimated Cost – Rs. 12,84,793.00

Price Bid



Name of work: Supply & Installation of 500 KVA Distribution Transformer at Assam University, Silchar

Sl No	Item Description	Quantity	UOM	Unit Rate	Amount
1	Supplying, installation testing and commissioning of the following rating copper wound indoor / out door type transformer complete including the payment to be made to power supply authority for supervision charge, labour charge, cost of L.T/H.T metering etc. (excluding the cost of load security) and making necessary arrangement for charging approval of the sub-station from the competent authority as directed and specified by the department. Transformer should be as per CEA guidelines as amended up to date up to 200 KVA star rating up to 5 star, above 200KVA as per CEA guidelines for losses along with LV enclosure with guarantee and warranty for two years.				
	500 KVA,50Hz.11/0.433 KV. Oil filled transformer with Off Circuit tap change (5 Star rating for energy efficiency).	1	Each		
2	Supplying including installation, commissioning of vermin and dust proof totally enclosed cubical indoor type floor/wall mounting compartmentalize panel board of size 1.95M X 1.20MX 0.40M made of 16 SWG/1.66 mm thick C.R. sheet and 40mm X 40mm X 5mm size angle having 4 no legs at the bottom complete painting with 2 coats of Red Oxide metal primer and 2 coats of Enamel paint. The panel board is to be erected in 1 : 3 : 6 PCC foundation including brick soling / grouting etc. complete neatly Wiring done with provision for one no 800 A 4pole MCCB or Switch Fuse Unit as incomer and provision for 4nos DP or TPN out going as specified and directed by the deptt. confirming to IP 43 protection comprising of the following electrical items:	1	Each		



	A. Trivector Engy meter with V, I, Pf,KWH,KW and standard parameters installaed with required CT.				
	B.1. 40mm X 10mm 4 strip copper Bus - Bar 1.20 M length each				
	2. Digital 3 Phase Voltmeter Accuracy class 0.5 - 1 no				
	3. Digital 3 Phase Ammeter Accuracy class 0.5 - 1 no				
	4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow,& Blue - 3 no				
	5. Voltmeter & Ammeter Selector Switch - 2 no				
	6. 2 A Slide fuse unit - 3nos (Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)				
3	Supplying with fitting and fixing panel mounting open execution 50KA 415V 50Hz 4P MCCB (Ics=Icu, adjustable Ir setting 0.5-1, neutral adjustable with earth fault protection and with rotary handle With enclosure of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	50 KA 415V 50 Hz 4P MCCB (Schneider, legrand, Siemens make)				
	400 A	3	Each		
4	Supplying with fitting and fixing TPN 415V 50Hz AC23A duty double break open execution panel mounting cubical type Switch Disconnection as approved by the Deptt.tor Fuse Unit(IP-20 protection) with HBC fuse of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.				
	800 A	1	Each		
5	Supplying with fitting and fixing panel mounting open execution 35/36KA 415V 50Hz 3P MCCB (Ics=Icu, adjustable Ir setting 0.7) with enclosure) of the following capacity complete with making necessary connection as approved, specified and directed by the				



	deptt.				
	35/36 KA 415V 50 Hz 3P MCCB (ABB(S6) , Schneider, legrand, Siemens, L&T D-shine make)				
	160A	1	Each		
	250 A	4	Each		
6	Supply, installation & testing of G.I. Plate earth station with 600 mmx600 mmx6 mm heavy duty G.I. earth plate with necessary 40 mm dia. G.I. watering pipe with G.I. Fittings such as Socket, Tee, elbow, nipple and 50 mmx40 mm G.I. reducing socket for funnel including locking arrangement with 300 mmx300 mmx6 mm hinged cover C.I. cover plate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the deptt .	6	Each		
7	Supply with installation & commissioning of readymade maintenance free CPRI approved chemical earthing system with 50 mm dia. 3.00 Metres length corrosion free dual pipe technology G.I. CHEMRODE ELECTRODE complete with RESLOW Grounding Minerals (25 K and Advance Earth Pit cover (PV including excavation of earth pit and construction brick earth chamber including plastering both inner & outer surface of brick wall as specified and directed by the deptt.	1	Each		
8	Supplying & laying of 25x5 mm size G.I. strips drawn on surface from earth electrode to Electrical switch gears, machineries etc complete with supply of G.I. nuts & bolts, screws etc including riveting, soldering & making necessary connection as approved, specified and directed by the deptt.	100	Metre		
9	Supplying fitting and fixing of transformer bushing	3	Each		
10	Supplying and erection PSC pole 9.5 metre long, the pole is to be erection in 1:2:3 plain cement concrete foundation of size 1.50 m x 0.45 m x 0.45m having P.C.C base foundation 15 cm x 60 cm x 60cm including edge brick soiling and plastering above G.L. portion	3	Each		



	(0.30 metre complete with excavation of earth, handling of Surplus Soil, debris etc. to the proper place and refilling etc. as specified and as directed by the department.				
11	Supplying and erection of H.T. stay set complete (Galvanize with 19mm dia x1.8m long stay rod anchor plate of size 30cm x 30cm x6.4 mm thimble stay clamps tube buckle (19mmx 60c 7/3.15 mm dia G.I stay and strain insulation etc. in cement concrete 1:3:6:(1Cement:3Course sand:6graded stone aggregate 40mm nominal size foundation including excavation and refilling etc. as required and as directed by the department.	6	Each		
12	Supplying and fitting fixing of galvanised L.T. T cross arm complete with clamps ,blots, nuts etc. as required and as directed by the department.	6	Each		
13	Supplying and fitting fixing of galvanised channel of 75 mm x 40 mm x 65 x 2200 mm long complete with clamps ,blots, nuts etc. as required and as directed by the department.	20	Each		
14	Supplying and erection of L.T. Pin insulators with G.I. pin complete with blots and nuts coach screw etc. as required and as directed by the department.	6	Each		
15	Supplying and erection of L.T. Shackle insulators with shackle strap complete with blots and nuts coach screw etc. as required and as directed by the department.	6	Each		
16	Supplying and erection of 11 KV Pin insulator (Poly) with G.I.pin, blots and nuts coach screw etc. as required and as directed by the department.	12	Each		
17	Supplying and erection of 11 KV Disc insulator (Poly) 45 KN with hard ware fittings etc. as required and as directed by the department.	12	Each		
18	Supplying and fixing of 11 KV 400 A Gang operated switch with all accessories complete as required and as directed by the department.	1	Set		
19	Supplying and fixing of 11 KV 150 A D.O. fuse set complete as required and as directed by the department.	1	Set		



20	Supplying and fixing of 11 KV 5 KA Lighting arresstor (Poly) set complete as required and as directed by the department.	1	Set		
21	Supplying and fitting fixing pole clamp complete as required and as directed by the department.	40	Each		
22	Supplying and string up AAAC Wolf conductor in the existing P.S.C./ M.S/ Galvanized pole with binding etc. as required and as directed by the department.	20	Metre		
23	Supplying and fitting fixing of H.T. danger plate complete as required and as directed by the department.	5	Each		
24	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for cables up to 2x10 sq mm.3x10 sq mm,4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the deptt. (Nicco/ Havells/ RPG/CCI/Polycab/Gloster/ Finolex make) .				
	500.00 Sq. mm.3 & 1/2 Core armoured U.G. cable	20	Metre		
25	Civil works for Transformer installation pad, Barbed wire fencing around the DTR with MS angle support,laying of stone chips etc as directed by department.	1	job		
		Total Amount			

Total Amount (In figures) =



Total Amount (In words) =.....

Name:-

Address:-

Ph No:-