

BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED

ब्रह्मपुत्र वैली फर्टिलाइजर कारपोरेशन
(A GOVT. OF INDIA UNDERTAKING)
NAMRUP/नामरूप



ONLINE

Please reply to:
Addl. Chief Engineer (E)
BVFCL, Namrup
P.O. Parbatpur – 786 623
Dist. Dibrugarh (Assam), India.
CIN No: U24123AS2002GOI006786
GST No: 18AABCB9399R1ZK

Phone: +919435362288;

e-mail: electrical@bvfc.co.in

ONLINE NOTICE INVITING TENDER

NIT NO: Nam/Elect./CPP/NIT-02/2022/852

DATE: 04 / 05 / 2022

Notice Inviting Tender for “Expert service for Measuring Partial Discharge on 11 KV SWGR Panels, 11KV Transformers’ cable terminations & 11 KV Motors’ cable terminations on quarterly basis.”

ONLINE TENDERS **under two-bid system (Techno-Commercial bid and Price bid)** are invited for the work as detailed below:

- 1) Name of Work : Expert service for Measuring Partial Discharge on 11 KV SWGR Panels, 11KV Transformers’ cable terminations & 11 KV Motors’ cable terminations on quarterly basis.”
- 2) Estimated amount : **Rs. 6, 96,200.00** including GST.
- 3) Earnest Money Deposit : Tenderer to submit Earnest Money Deposit of Rs.10, 000.00 (Rupees Ten Thousand only).
- 4) Tender Paper Cost : Rs.118.00 (Rupees One Hundred Eighteen) only including GST
- 5) Time of Completion : 25 days from the date of issuance of Work Order.
- 6) Validity of the Tender : 180 days from the Date of Opening of Tender.
- 7) Type of Bid : Two Stage (Online) through service provider NIC portal (etenders.gov.in)
- 8) Date & Time for bid Opening: 15-30 Hrs. on 17 -05 -2022
- 9) All requests for interpretations / clarifications in connection with the Tender Documents shall be addressed in Writing to the undersigned at least 10 (Ten) days prior to the closing date of the Tender or in person during office hours on any working day. **If required, Tenderers must visit the site to understand the job thoroughly and submit the bid accordingly.**
- 10) The **rates** should be quoted on Rate/lump sum basis for the complete Scope of Work as per Proforma for ‘**Price Bid**’. The **rates** should be quoted only in the units given in the enquiry. Price Strictly to be quoted on the Price Bid, if the price quoted in the Techno Commercial Bid, then the bid will not be considered.
- 11) BVFCL, Namrup reserves the right to reject any or all Tenders without assigning any reason whatsoever and it also does not bind itself to accept the Lowest Tender.

12) **Procedure for Submission of Tender:** For obtaining detailed online tender documents and for participation in online tender, parties are requested to visit the online procurement portal <https://www.etenders.gov.in> (Vendor Login)

For any information regarding the submission process of the NIT, the following may please be contacted.

A Central Public Procurement Portal (For e-Tender process / Procedure related matters)

Technical support Contact (For Vendors)

Name: Helpdesk Landline No: 0120-4200462, 4001002, 4001005 And 6277787

Email ID: support-eproc@gov.in

B To participate in e-tendering of BVFCL, please refer “Instructions for Online Bid submission” on <https://etenders.gov.in/eprocure/app> for system requirement, browser configuration, procedures etc.

C All the vendors participating in the online e-tendering have to abide by the process involved in the entire work flow of the e-tendering. BVFCL shall not be responsible for any mistake made by the vendor at the time of bid process. In case any vendor submits an invalid bid due to any reason including typing mistake / human error, such invalid bid will be disqualified / rejected and such vendor shall not be allowed to further participate in the tender and the procurement process shall be completed considering the other valid bids.

D It is mandatory for the Bidders to use the digital certificate in all their bidding Process. For submitting bid Through e-tendering, vendors will have to use a Class III Digital Signature Certificate issued by any India CA approved by CCA of India as per IT Act 2000. Guidelines as indicated in <https://etenders.gov.in/eprocure/app> may be complied in this regard. The said digital certificate should bear the name of the company / Bidder who is willing to participate in the tender.

E It is the entire responsibility of the vendors to protect their own login ID and Password and Keep their digital certificate safe so that is not misused by any other person.

13) The Techno-Commercial Bids will be opened online on stipulated date and time. The Techno-Commercial Bids will be scrutinized in details in respect of NIT requirements. The bidders who are found qualified in the Techno-commercial bid will be invited for the opening of the price bids.

14) EMD and Tender Paper cost: EMD & Tender paper cost (non-refundable) shall be paid in the form of Demand Draft from SBI/UCO bank drawn in favour of BVFC Ltd. payable at Namrup. Draft charges shall be borne by the party. **OR Tender paper cost and earnest money may also be deposited in BVFCL Bank Account in SBI through Challan that can be downloaded through BVFCL website.** Cheques would not be accepted in any case. TENDER SUBMITTED WITHOUT EARNEST MONEY DEPOSIT AND TENDER PAPER COST WILL BE SUMMARILY REJECTED WITHOUT FURTHER REFERENCE.

Scanned copies of EMD & Tender Paper Cost receipt (s) to be uploaded with Technical bid.

The EMD AND Tender paper cost (original hard copies) must reach the office of the Chief Engineer/HOD (Electrical), B.V.F.C.L., Namrup within 10 days of online opening date of the Techno-Commercial bids.

*** Exemption from EMD and Tender Paper Cost.**

MSME bidders must submit valid registration certificate from any of the following (or any other body specified by Ministry of MSME) for seeking exemption from submission of EMD and Tender paper cost:

- i) National Small Scale Industries Corporation (NSIC)
- ii) District Industries Centers (DIC)
- iii) Coir Board
- iv) Khadi & Village Industries Commission (KVIC)
- v) Khadi & Village Industries Board (KVIB)
- vi) Directorate of Handicrafts & Handloom.

*** Bid Security/Earnest Money Deposit:**

As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprise (MSEs) and the firms registered with concerned Ministries/Department are exempted from submission of Bid Security/Earnest Money Deposit. Further in lieu of Bid Security, Ministries/ Departments may ask bidders to sign ‘Bid Security

Declaration' accepting that if they withdraw or modify their bids during period of validity etc. they will be suspended for the time specified in the tender documents. Similar provisions also exist in the Manuals for procurement of Works 2019 and Manuals for Procurement of Consultancy & other Services 2017.

15) The Tenderers should submit the following information/documents along with the Tenders:

15.1 Full particulars of their capability.

15.2 Address of the OFFICE / WORKS.

15.3 Work Order Copies of similar works carried out by the contractor (as per details given in "Eligibility Criterion" enclosed at Annexure -II) in any Govt./semi Govt. /big reputed private Power Sector, Fertilizer, Refinery & Petrochemical plant, along with Job Completion Certificate issued by the customer showing experience of having successfully completed similar works during the last 7 (Seven) Years ending last day of month previous to the one in which applications are invited which should be either of the followings:

a) Three similar completed works costing not less than the amount each equal to 40% of the estimated cost.

Or

b) Two similar completed works costing not less than the amount each equal to 50% of the estimated cost.

Or

c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.

15.4 Performance feedback for the completed works submitted as above (at 15.4 above) from the respective customer(s) need to be submitted except in case of works completed at BVFCL.

15.5 The complete Address of the Organizations along with contact details (telephone/mobile number) of the concerned officer for which such works were/have been executed shall be furnished for obtaining information by BVFCL as and if required.

15.6 Average Annual Financial turnover during the last 3 years, ending 31st march, 2021 should be at least 30 % of the estimated cost.

15.7 A declaration in the form of affidavit / declaration that he / she is not a partner / proprietor of any other firm /company participating in this tender of BVFCL.:

i) The Tenderer / their Associates / Sister Concerns etc. have not been black listed or put on holiday by any Institutional Agency / Government Department for participating in the Tender.

ii) No other Firm / Sister Concerns / Associates belonging to the same group are participating / submitting Tenders for the work.

In the absence of the above documents/information (15.1 to 15.7), tenders shall not be entertained.

16) The following information/documents shall also have to be submitted along with the Tender failing which the tender shall be liable to be rejected:

16.1 Permanent Account Number (PAN) from Income Tax Authorities.

16.2 P.F. Registration Numbers (PF No.) from Provident Fund Authorities.

16.3 Copy of GST registration certificate.

16.4 Average annual financial turnover during last three financial years ending on 31st March, 2021 duly certified by practicing CA.

16.5 If a Tenderer has relations, whether by blood or otherwise, with any of the employees of BVFCL, the Tenderer must disclose the relations in the form of a Declaration attached at the time of submission of Tender, failing which BVFCL shall reserve the right to reject the Tender or rescind the Contract.

If yes, give the following details duly filled in the Declaration Form-II:

a) Name & Designation of The Employee

b) Place of Posting

c) Relationship with the Employee

17) **E-Reverse auction may be carried out among the techno commercial acceptable bidders through the Service provider i.e <https://eauction.gov.in>, after opening of Price Bids.**

18) Information shall be provided to the bidders about the rejection of any bid, if asked.

19) Incomplete Tenders or Tenders not accompanied with the required detail/ EMD or Tenders received late/delayed tenders would be liable to be rejected without any further reference whatsoever.

20) Tenderer shall confirm in their quotation the acceptance of all terms and conditions of NIT including Special Terms, General Terms & Conditions and Scope of Work by duly signing under their official seal on each page of the scanned copies of all these documents failing which the offer will be rejected.

- 21) Deviations, if any, to our terms & conditions to be submitted on letter head of the contractor duly signed on each page.
- 22) The EMD shall be addressed to:
Brahmaputra Valley Fertilizer Corporation Ltd., Namrup
P. O. – Parbatpur – 786623
Dist-Dibrugarh (Assam)
- 23) Tender information's are also available in B.V.F.C.L.'s website www.bvfcl.com and Govt. of India's website www.eprocure.gov.in
- 24) BVFCL is committed to a corruption free work environment. "All the above purchases, services and commitments of BVFCL will be honoured without the citizen having to pay any bribe". In case any person demands any bribe, it is the duty of the responsible citizen to inform the matter to the Vigilance Officer, BVFCL, Namrup, P.O. Parbatpur, Dist. Dibrugarh, Assam, PIN 786 623 (Tel no. 0374- 2507092/0374 2507167)

*** Provisions of Rule 160(ii) of the General Financial Rules, 2005 will be complied.**

Thanking you,

For Brahmaputra Valley Fertilizer Corporation Limited, Namrup

(P Konwar)
Addl. Chief Engineer (Electrical)

Copy to: Finance Manager

Attn A.F. M. :- to kindly depute his representative at the time of opening.

- 1.0 Dy. Chief Vigilance officer.
2.0 DC (CISF)

Pre qualifying requirements

1. The scope of work is to detect the partial discharge activity occurring in the HT cable terminations and panels. The job involves conducting online non-intrusive partial discharge measurement using wide band UHF PD technique in accordance to IEC 62478. The bidder shall use UHF sensor to measure the partial discharge (PD).
2. A UHF sensor should be temporarily installed on the cable termination and panel for measurement and same should be removed safely after measurement is complete. The sensor or the test setup should not create any negative impact to the cable circuit. Sensors such as TEV, HFCT or ultrasonic sensors shall not be considered for measurement.
3. Measurement in UHF bandwidth from each termination should be analyzed for UHF spectrum of upto 2GHz in order to identify the type of defect like corona, surface discharges, micro-sparking activity etc. based on PD pulse characteristics and PRPD signature.
4. Bidder should clearly have the technical knowledge and competence to provide such assessment based on PD data obtained. To demonstrate their technical experience bidder should have tested commutatively 2000 nos. of cable terminations of 6.6/11/33kV voltage class to demonstrate their technical experience. Bidder to provide sufficient evidence in terms of work order.
5. Service engineer shall have suitable technical competence to carry out online partial discharge / measurement on LIVE cable termination and panels. A service engineer should have level 2 training certificate to substantiate the requisite skill for PD measurement on cable terminations.
6. Bidder shall also have experience of executing the PD measurement work in past on cable termination and panel in any PSUs / Utilities/Refineries/Continues process plants/ Power plants in India in last 5 years. Documentary proofs like work order copy, completion certificate/MOM must be submitted along with the bid.
7. The bidder should have their own test kit with phase synchronous UHF technology with 2 GHz range. Catalogue of the test kit and test certificate with Serial No should be submitted along with the bid. Any other test kit will not be permitted to be used at site during testing.
8. List of test instrument to be used during execution of work needs to be submitted with the bid signed and stamped. List must include the make, model and serial number of the instrument without which the bid may not be considered.
9. Agency must have 5 years of experience in carrying out PD measurement by UHF technology and proof of the same need to be submitted by way of work order copies etc.
10. Service Engineer must have minimum 5 years of experience in partial discharge detection / measurement in similar job and shall have suitable technical competence to carry out test independently. The service engineer shall provide critical observations if any of measured data before leaving the site.
11. Detailed test report to be submitted along with assessment of data with comments and recommendations.
12. Vendor to provide test kit serial number, make and model number. Preferred test kit shall be of **Rohde and Schwarz / ohv diagnostic GmbH /Doble** only. Usage of other make test kit apart from the preferred one is liable for rejection of tender.

(P Konwar)
Addl. Chief Engineer (Electrical)

SCOPE OF WORK:**PD Detection and assessment for Cable termination switchgear , Transformer, HT motor TB end**

1. Partial Discharge detection in cable termination should be carried out by wide band UHF PD technique by online method.
2. The test should be performed in wide band frequency selective UHF spectrum analysis of freq upto 1GHz or above with RBW of 1MHz. Test kit should be of portable type and offer high sensitivity UHF signal on LIVE cable termination.
3. A UHF sensor should be temporarily installed on to the cable termination for measurement and same should be removed safely after measurement is complete.
4. Measurement in UHF bandwidth from each termination should be analyzed for UHF spectrum of upto 1GHz in order to identify the type of defect like corona, surface discharges, micro-sparking activity etc based on PD pulse characteristics. A detailed test report with UHF spectrum should be submitted for each panel.
5. Test kit should use dedicated UHF sensor which can be placed on energized cable or in those cases where termination is inaccessible a special purpose antennae with UHF signal output of 1GHz range may be used.
6. The UHF test instrumentations should be able to discriminate the external UHF interference from the internal PD activity in cable terminations.
7. Detailed test report to be submitted along with assessment of data with comments and recommendations.

PD detection and assessment of HT switchgear panels (11 kv Switch gear Panels)

8. Partial Discharge detection in 11 KV switchgear panels should be carried out by wide band UHF PD technique while 11 KV switchgear is in service.
9. The test should be performed in wide band frequency selective UHF spectrum analysis of freq upto 1GHz or above with RBW of 1MHz. Test kit should be of portable type and offer high sensitivity UHF signal from switchgears without opening of doors of LIVE terminals.
10. UHF spectrum analysis of each measurement should be done in order to identify the type of defect like corona, surface discharges, micro-sparking activity etc based on PD pulse characteristics. A detailed test report with UHF spectrum should be submitted for each panel.
11. Test kit should use portable antennae or dedicated UHF sensor which can be placed on each panel compartment with UHF signal output of 1GHz range. Tests performed should be effective in identifying the abnormal discharges in a particular panel of MV Switchboard.
12. The UHF test instrumentations should be able to discriminate the external UHF interference from the internal PD activity in switchgear.
13. Detailed test report to be submitted along with assessment of data with comments and recommendations

NOTE:- VENDOR MUST PROVIDE TEST KIT MAKE AND MODEL NUMBER (BVFCL prefer **Rohde and Schwarz / ohv diagnostic GmbH / Doble** only)

(P. Konwar)
Addl.CE(E)

BRAHMAPUTRA VALLEY FERTILIZER CORPORATION LIMITED, NAMRUP
ELECTRICAL DEPARTMENT
Schedule of quantities

Ref NIT No.: Nam/Elect./CPP/NIT-02/2022/852

Date: 04.05.2022

(Price should not be quoted here and price to be quoted online only or else bid will not be considered)

Name of the work “Expert service for Measuring Partial Discharge on 11 KV SWGR Panels, 11KV Transformers’ cable terminations & 11 KV Motors’ cable terminations on quarterly basis”.

FORMAT FOR PRICE BID

Sl No.	Description of work	Qty	Rate (Rs.)	Amount (Rs.)
01.	On line PD detection and assessment for cable termination using UHF technology for cable termination at 11 KV switch gear, HT Motor Terminal Box and Transformer Terminal Box (50 Nos. x 4 Visit = 200 Nos.)	200	Price to be quoted online	
02.	On line PD Detection and assessment of 11 KV SWGR Panels using UHF technology (25 Nos. x 4 Visit = 100 Nos.)	100	Price to be quoted online	
03	Mobilization charges: Transportation charges for test Instrument and staff, Insurance expenses for staff as well as test instruments from party’s location to Dibrugarh airport and vice versa	4 Visit	Price to be quoted online	
Total				
GST @ 18 %				
Grand Total				

(Rupees) only.

Note: Pick up from and drop off to Dibrugarh Airport for the engineers and keep them in our Company Guest House with free of cost fooding and lodging

(P. Konwar)
Addl. CE(E)

**ELECTRICAL DEPARTMENT.
TENDER FORM**

Annexure-IV

Sl. No. : _____

Date of Issue: _____

Tender No. _____

dated: _____

Last date of submission: _____

at _____

P.M. _____

Name of Work : _____

Issued to (name and address of the party):

No. of Tender document issued: _____

Signature of issuing Officer

TO BE FILLED IN BY THE TENDERER

I/ We hereby tender for the execution for BVFCL, Namrup of the work schedule in under written memorandum within the time specified in such memorandum and at the rates specified therein and in all respect in accordance with instruction referred to in the NIT.

MEMORANDUM

1. General description of the work :
2. Earnest Money Rs. : _____
3. Time allotted for the work : _____ Days
4. The sum of Rs. _____ has been deposited vide _____ dated _____ with the finance manager in favour of BVFC Ltd. As earnest money, the full value of which to be absolutely forfeited to the BVFC Ltd. Or their successors or assignees are without prejudice to any other rights or remedies of the said corporation or their successors or assignees should I/We fail to commence the work specified in the above memorandum.

Enclosures:

1. Earnest money deposit receipt/Bank draft/deposit at call receipt as and if applicable.
2. Pre qualifying requirements and Scope of work duly read and signed (Annexure-I & II)
3. Schedule of quantities duly filled in and signed (Format for Price Bid) (Annexure –III)
4. Terms and conditioned duly read and signed (Annexure- V)
5. Photocopy of the PAN card in own name.
6. Photo copy fulfilling the conditions like GST etc. as applicable.
7. Declaration in the form of affidavit / declaration that he /she is not proprietor of any other Firm /company participating in this tender.

Dated: _____

Signature of the Contractor

Address: _____

Witness: 1. _____

2. _____

Signature 1. _____

2. _____

Address of _____

Witness. _____

**BVFC LTD, NAMRUP
TERMS & CONDITIONS
OF
NOTICE INVITING TENDER**

1.00 INSTRUCTION FOR TENDERERS

- 1.01 The tenderer (s) should carefully read and understand all the tender documents before completing the required formalities and quoting the rates etc.
- 1.02 The tender documents completed in all respects and duly signed by the contractor should be sealed in a cover super scribing the tender No. name of the work and date of opening and address to the concerned officer along with the name and address of contractor.
- 1.03 The above cover containing all tender documents should be submitted in the respective office to reach the concerned office well in specific time.
- 1.04 The rates of items should be indicated in words as well as in figures and any cutting should be duly signed otherwise tender will be rejected. Overwriting in tender form will lead to its rejection.

2.00 TERMS & CONDITIONS

- 2.01 The scope of work shall include deputation of experienced and trained Engineers along with required test instruments to perform electrical tests on electrical equipments at BVFCL located at Namrup in Dibrugarh District, Assam.
- 2.02 The contractors have to abide by all the terms and conditions mentioned here in respect of carrying out the job, payments, settlement of disputes etc. The tender should be carefully read and the clauses to be understood before filing up the tender documents.
- 2.03 The contractor should visit the site and acquaint himself with the site conditions etc. before submitting the tender.
- 2.04 All works are to be done under the strict supervision of the contractor to the entire satisfaction of the Engineer – in – charge / site in charge.

3.00 EARNEST MONEY

- 3.01 The tenderer shall deposit the Earnest money in cash or deposit at call receipt of any bank or demand draft drawn on the SBI, Namrup in favour of BVFC LTD., Namrup, and attach receipt thereof with the tender. Earnest money shall not be accepted in any form other than these specified above and the tender not accompanied by Earnest money in the proper form may not be considered. No interest will be payable on the Earnest Money deposit under the contract.

4.00 CONTRACT LABOUR ACTS ETC.

- 4.01 The tenderer shall abide by all the provisions of Contract Labour Acts. and Rules issued by the Government and applicable to them. In case the tenderer fail to do so, this Corporation shall have the right to deduct from tenderer's bill, the expenses which are to be incurred in connection with any claim from any party including the labour engaged by the tenderer.
- 4.02 The contractor has to maintain a Register of his labourers with the particulars shown in the proforma to be supplied for implementation of the provisions of contract labour (Regulation and Abolition) act.1970.

4.03 The contractor shall make the payments of wages regularly to the labourers engaged by him in presence of a authorized representative appointed by BVFC Ltd. as per contract Labour Act.1970 and the minimum wages should be paid according to the circulars / directives issued by Central / State Govt. from time to time.

5.00 COMPENSATION

5.01 The contractor shall have to make an ex–gratia payment of Rs. 1000/- (Rupees one thousand) only to the dependants of labourer in the event of the labour's death occurring while on duty. This payment will be made by the BVFC Ltd. Immediately and will be recovered from the bills of contractor.

6.00 TOOLS & ACCOMODATION

6.01 The contractor shall make his own arrangements for providing accommodation, tools tackles etc. for his staff. Such facilities will not be provided by BVFCL.

7.00 SAFETY MEASURES

7.01 The contractor have to provide all necessary safety tools / equipments / accessories to his staff working at site as required under safety regulation of the factory.

7.02 Injuries or accidents to the contractor labour shall be taken care by contractor at his own cost and risk and shall comply with all Safety Rules and health regulations.

7.03 The contractor has to obtain safety permit from competent authority for working in hazardous conditions and all safety rules should be followed strictly.

8.00 MEDICAL FACILITIES

8.01 No medical facilities will be provided free of cost except First Aid to the contractor's labourers.

9.00 DECLARATION OF TENDERER

9.01 I / We declare that I / we have read the above instructions /terms and conditions etc. and well understood and are in agreement with the above.

Signature of the Tenderer

BID SECURITY DECLARATION

To,

Addl.CE (Electrical)

BVFCL, Namrup

Sub: “Annual Maintenance Contract for Rewinding of LT Motors of BVFCL Namrup.”

I/We have read the Central Govt. Notification no. F.9/4/2020-PPD dtd. 12th Nov. 2020 under Ministry of Finance and accept that if I/We withdraw or modify our bid during period of bid validity, I/We will be suspended for the time specified in the tender document.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am /We are in a breach of any obligation under the bid conditions, because I/We

a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid;

or

b) having been notified of the acceptance of our Bid by the you during the period of bid validity fail or refuse to execute the contract.

I/We understand this Bid Security Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of

i) The receipt of your notification of the name of the successful Bidder;

or

ii) Thirty days after the expiration of the validity of my/our Bid.

Thanking you.

Yours faithfully

For M/s :

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(Signature of Contractor/ Bidder with SEAL)

Address:

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