

Office of the Executive Engineer,  
Elect, Dept., Div-VII (O & M)  
Curchorem-Goa 403 706

“BY SPEED POST/HAND DELIVERY”

No.EE/Div.-VII/Tech-2/Quot-13 (18-19)/1886/2018-19

Date: 16/07/2018

Sub: - Quotation for the work of repairing of 06nos. of 11KV/ 433V failed Distribution Transformers of various capacities.

Sir,

On Behalf of The Governor of Goa, quotation for the below mentioned work as per the terms and conditions depicted in Annexure-I, II & III is invited

Sr. no.	Description of work	Qty.	Rate per KVA in Figures and words	Amount in Figures
1.	Work of repairing of 11KV/ 433V failed Distribution Transformers of various capacities, comprising the following works viz. 1]. Collecting of 06nos. of failed Distribution Transformers (i.e. 03nos. from Sub Div-I, 02nos. from Sub Div-II & 01no. from Sub Div-IV). 2]. Repairing of 06nos. of failed Distribution Transformers at your work site. 3]. Delivering of 06nos. of repaired Distribution Transformers at Pontemol Substation.	06nos. of Distribution Transformers comprising of 660KVA capacity. As per the enclosed abstract.		
E.M.D: Rs. 5, 721/- (Rupees Five Thousand Seven Hundred Twenty One only)				
Time allowed for completion of work : 30days				
Last date & time of receipt of quotation: 23/07/2018 up to 10.00hrs.				
Date & time of opening of quotation: 23/07/2018 at 10.30hrs.				

Your quotation in sealed envelope superscribed as “Quotation for the work of repairing of 06nos. of 11KV/ 433V failed Distribution Transformers of various capacities” should be inserted in the quotation box kept at office of the Executive Engineer, Elect. Dept., Div-VII (O & M) Curchorem on or before 23/07/2018 up to 10:00a.m.

Name:

Signature:

Stamp of the Contractor:

Sd/-  
EXECUTIVE ENGINEER-VII

To,

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Copy to:-

- 1) The Chief Electrical Engineer, Vidyut Bhavan, 3<sup>rd</sup> Floor, Panaji Goa.
- 2) The Superintending Engineer, Elect. Dept., Circle-I/II, Margao/Panaji.... For information.
- 3) The Executive Engineer, Elect. Dept., Div.No.I/II/III/IV/V/VI/VIII/IX/X/XI/XII/XIII/XIV, XV/XVI/XVII /XVIII Panaji/Margao/Ponda/Bicholim/Mapusa/Tivim/ Vasco/Xeldem/ Corlim/ Verna/Patto Plaza Panaji .....For information.
- 4) The Divisional Accountant, Elect. Div-VII, Curchorem....He is requested to be Present on the day of opening.
- 5) The Sub-Divisional Engineer, Elect. Sub-Div-I/II/III/IV, Curchorem/Quepem/Sanguem.
- 6) The Director of Information & Technology, IT HUB, 2nd floor, Altinho, Panaji-Goa ..... With a request to publish the quotation called by this office on Goa Govt. State portal by 18/07/2018. (E-mail sent to [stateportal.goa@nic.in](mailto:stateportal.goa@nic.in))

ANNEXURE-I  
ADDITIONAL TERMS & CONDITIONS

1. RATES:- The Rates quoted should be firm.
2. TAXES & DUTIES: - The rates quoted shall be inclusive of the following:
  - a) GST, all other applicable taxes.
  - b) Cost of material / repairs.
  - c) Transportation charges upto the site or work place, loading, unloading, etc.
  - d) All incidentals up to testing and delivery, including storage, watch & ward, etc.
3. VALIDITY:- The Rates quoted should be valid for a period of 90 days from the date of opening of the quotation.
4. COMPLETION PERIOD: The Work shall be completed within 30 days from the date of placement of order.
5. EARNEST MONEY DEPOSIT: - You have to pay an amount of Rs. 5, 721 /- towards EARNEST MONEY DEPOSIT (Rs. 500/- incase of enterprises those are registered under SSI) by demand draft drawn from any scheduled bank guaranteed by Reserve Bank of India payable at Curchorem, in favour of the “Executive Engineer, Div-VII, Elect. Dept, Curchorem Goa” in a separate envelope, sealed and superscribed as “EMD FOR QUOTATION“(ENVELOPE-A). (Quotation No, & detail of Quotation to be specified) EMD shall be in the form of Demand Draft drawn in the name of The Executive Engineer, Elect, Division VII, Curchorem, on any schedule Bank guaranteed by Reserve Bank of India and made payable at par on any Branches in Goa. EMD payment by cash, cheque, fixed & short term deposit shall not be entertained. Quotation unaccompanied by EMD as above will be summarily rejected. The quotations for the work shall remain open for a period of 90 days from the opening of quotations. The Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the earnest money if any bidder withdraws his quotation before that date or makes any modifications in terms & conditions which are not acceptable to the Department, and to forfeit the whole of the earnest money if the bidder, whose quotation is accepted, fails to commence the work specified in NIQ (Along with changes in scope) in the prescribed time or abandons the work before its completion.

The 2nd envelope superscribed as “Financial bid” (Quotation No, & detail of Quotation to be specified) shall contain Price bid / Bidding schedule, duly signed by the tenderer on each page over their official rubber stamp, on all pages alongwith the financial bid and other documents (ENVELOPE-B).

The 3rd cover (ENVELOPE-C) pertaining to the tender shall be superscribed as detailed in quotation shall contain the other two envelopes (Envelope-A & Envelope-B) superscribed “EMD for quotation” and “Financial bid”. Name of the tenderer shall be written on the left hand side corner of the envelopes

6. PERFORMANCE SECURITY: - In case of acceptance of the offer the performance security of 5% of the order value shall be deposited with this office within 15 days of acceptance letter and the same shall be refundable on completion of the work and recording of the work completion certificate.
7. SECURITY DEPOSIT: - Security deposit amounting to 2.5% of the ordered value will have to be paid or the same will be deducted from the bills adjusting the EMD paid. The security deposit will be retained in this office till expiry of guarantee period and thereafter the same will be refunded against an application in Form-28, subject to the condition that no defects are noticed and the service is to the entire satisfaction to the Engineer-in-charge and on recovery of any amount due to the Govt.
8. PAYMENT:-Payment will be only after completion of entire work. The contractor shall indicate Income Tax PAN & GSTIN registered with the Income Tax Department & Central Board of Excise & Customs respectively in the invoices/receipts without which payment will not be released.
9. CONTRACT CONDITON: Orders will be governed by the conditions of P.W.D. agreement Form No.10.
10. THE RIGHT TO REJECT:-The right to reject any or all the quotations, without assigning any reasons, shall rest with the undersigned.
11. DATE OF RECEIPT & OPENING OF QUOTATION:-The quotation will be received up to 10.00 hours on 23/07/2018 & it will be opened at 10.30 hours on the same day.

EXECUTIVE ENGINEER,  
DIVISION-VII, CURCHOREM

ANNEXURE - II  
GENERAL TERMS & CONDITIONS

1. In case the contractor comes across any incorrect/missed out punctuations, typographical errors in spelling, leading incorrect impression or no meaning to the text, then they are advised to get the same clarified from the department. The interpretation of the Engineer-in-charge, in such cases shall be final.
2. The contractor shall furnish the attested copy of electrical contractor's license issued by the licensing board, Govt. of Goa, to enable them to execute the work in the state of Goa.
3. The rates quoted by the contractor shall be firm, whether he has actually inspected the site or not. Any claim on the veracities of the site conditions at a later stage shall not be entertained.
4. The offer shall be valid for a minimum period of 90 days from the date of opening of the quotation.
5. It is not intended to specify completely herein all details of design and construction. However the work should conform in all respect to quotation of Engineering design and workmanship as per relevant applicable I.S. and shall be able to perform in continuous commercial operation in a manner acceptable to the Engineer-in-charge, who will interpret the meaning of drawings and specifications and shall have the power to reject any work, which in his judgment, is not in accordance therewith.
6. The whole contract shall be governed by the agreement under CPWD form 10 for the contract for works. The contractor shall be responsible for arranging all tools and plants, instruments etc. required for erection, testing and commissioning of all the equipments and materials covered under this contract. The work shall be supervised by the Engineer In-charge or by his authorized representatives. The work shall be carried out as per the tender terms and conditions, specifications, besides site directives if any.

7. CONTRACTOR IS REQUESTED TO PAY DUE ATTENTION TO THIS ASPECT

(a) QUANTITIES:

The quantities given under bidding schedule of this contract are tentative. The department reserves the right to finalize quantities for which the unit rates quoted in the bidding schedule by the contractor, shall be valid and binding irrespective of the quantities finalized by the Department

(b) COMPLETENESS OF THE CONTRACT:

Any fittings or accessories which may not have been specifically mentioned in the specifications but which are usual or necessary in the case of similar works or for efficient working of the same shall be deemed to be included in the contract and shall be provided by the contractor without extra charges. All works activities shall be completed in all details whether such details are mentioned in the specifications or not, within completion period.

(c) BIDDING:

The rates quoted against activities/ work in the bidding schedules shall be for the activity/work including all applicable taxes as per the technical specifications in the bidding schedule and shall be complete in all respects.

8. STANDARD:

Unless otherwise specified all the work shall comply in all respects with the requirements of the specifications attached with this bidding schedule amended up to date and any revisions thereof that may be issued during the currency of the contract.

9. COMPLIANCE WITH THE REGULATIONS:

All the works shall be carried out in accordance with I.E. Act 2003 & I.E. Rules 1956 as amended up to date and all revision thereof that may be issued during the currency of the contract. The work shall also conform to Electricity Department rules/procedures within the said Acts & Rules.

10. PAYMENTS:

No advance payment shall be made along with the order. No payment will be made for the purpose of storing of the materials, transportation, freight and insurance charges, taxes and duty, etc. – all of which are deemed to have been included in the quoted rates whether expressly specified or not. Final payment will be done only after completion of the entire work by the Contractor and submission of detailed reports in triplicate as stated in Technical specification.

Deductions: - The GST and income tax shall be deducted at source from the eligible payments to the contractor as applicable from the bill. Department shall issue necessary TDS certificate to the contractor.

11. AGREEMENT AND GOVERNMENTING CONDITIONS:

The contractor whose offer is accepted will have to enter in to an agreement in the C.P.W.D. Form-10

12. CONDITION:

The proposed work should be executed in the presence of authorized departmental Electrical Engineer-In-charge only.

13. COMPARISON OF BIDDING:

The tenderer shall offer biddings in the prescribed bidding schedule attached with this quotation for all the activities mentioned therein.

14. INTERCHANGEABILITY: All the parts shall be made accurately to standard gauge wherever possible so as to facilitate replacement and requirement including the spare parts shall be interchangeable.

15. GUARANTEE:-

15.1 The contractor shall warrant that the materials/equipments will be new and in accordance with the specification and that the equipment structures etc. will be free from defects in materials & workmanship. The contractor shall furnish performance guarantee for a period of 18 calendar months (Guarantee period) from the date of commissioning for the entire contracted work. Any defects in failure observed during the period of guarantee will be the duty of the contractor to attend and rectify it on priority basis when informed or noticed at his own cost.

15.2 Completion period: The time allowed for completion of all the activities covered under this contract shall be of 30 days.

15.3 Compensation for failure to complete the work within stipulated time period. The time allowed for carrying out the works as entered in the agreement shall be strictly observed by the contractor and shall be deemed to be of essence of the contract on the part of the contractor date on which order to commence the work is issued to the contractor. Delay in the execution of the work as per clause 2 & 3 of CPWD 8 shall attract the compensation/penalty @1% of the value of work order per day for every day the work remains uncompleted or unfurnished after the stipulated completion date put to subject to total compensation not exceeding 10% on total cost of work as per work order.

16. SPECIAL CONDITION:

Micro and Small Enterprises permanently registered or acknowledge with Enterprises Memorandum II by the Directorate of Industry, Trade & Commerce, Goa shall be given special treatment.

Micro and Small enterprises shall be allowed to match to lowest tender price floated by non-Small Scale Units provided its quoted price is within 15% of lowest quoted price floated by Non- Micro and Small Enterprises;

In case of more than one Micro or Small Enterprises, falling within the range, the lowest one shall be preferred. For the purpose of availing benefit under Preferential Purchase Incentive for SSI Scheme, the Micro and Small Enterprises shall be required to match standard of quality as required by the State Government Department Earnest money shall be required to be deposited and the same shall be to the maximum of Rs.500/-. No other security deposit is required in respect to Micro and Small Enterprises permanently registered or acknowledge with Enterprises Memorandum II by the Directorate of Industry, Trade & Commerce, Goa

Only those Micro and Small Scale Enterprises having turnover not exceeding Rs. 6 crores per annum for the last preceding 3 financial years and permanently registered or acknowledge with Entrepreneurs Memorandum II by the Directorate of Industries, Trade and Commerce shall be eligible for the benefit under this Scheme

EXECUTIVE ENGINEER  
DIVISION VII, CURCHOREM.

NAME OF THE CONTRACTOR

ADDRESS/SEAL OF  
THE CONTRACTOR

SIGNATURE

ANNEXURE-III  
GENERAL TERMS & CONDITIONS OF THE CONTRACT FOR REPAIRS OF FAILED  
DISTRIBUTION TRANSFORMERS.

1) MODE OF SUBMISSION:

Offers should be submitted in envelope superscribed as Quotation No- 13(18-19), Quotation for the work of repairing of 06nos. of 11KV/ 433V failed Distribution Transformers of various capacities, due date on 23/07/2018.

The envelope super scribed as above shall contain the following documents.

(i) A certificate from the party / firm that all the departmental terms including payment terms are acceptable to them & that the materials / work offered by them are fully conforming to the Departmental specifications.

(ii) The price bid.

(iii) The complete NIQ document duly signed on each page over rubber seal / stamp.

Note: The Quotations not received in envelope as above or in case the validity of the offer is less than required under clause (3) here below will be rejected outright.

Quotations with any conditions including that of conditional / unconditional rebate shall be absolutely rejected.

2) DEDUCTION OF INCOME AND ALL OTHER APPLICABLE TAXES:

Deduction of Income and All Other Applicable Taxes. will be done at source as per rules while making payment.

3) VALIDITY & FIRMNESS OF RATES:

The rates quoted should be valid for a minimum period of 90 days from the date of Opening of the Price Bid.

The rates quoted by the tenderers should be for transporting failed transformers, repairing & delivery of the repaired transformers after they are repaired to the satisfaction of the Engineer-in-charge of the transformers at Pontemol, Curchorem, Quepem & Sanguem -Goa. The Department will not entertain any additional extra claim whatsoever other than Lumpsum quoted rates. The rates quoted shall include all taxes, levies, duties, freight, transportation and storage etc.

4) PURCHASE PREFERENCE:

Purchase incentive for the firm registered as S.S.I. unit with the Directorate of Industries & Mines will be considered as per notification No. 1/49/2000S/ (IND)/ Vol-II/ dated 4/8/2003.

5) INSPECTION:

The successful tenderer will permit the Engineer-in-charge or his representative to have access to inspect the work at any time while it is in progress & / or after its completion.

6) GUARANTEE:

The repaired & reconditioned transformers should be guaranteed for a period of 18 months from the date of acceptance of the same by the Department after they are repaired to the satisfaction of the Engineer-in-charge. Such guarantee should be given by the tenderer for the entire transformer as one unit & not merely for the parts or the portion of the transformers on which he has carried out the repair works. The transformer failing within this guarantee period should be repaired again by the tenderer at his own cost within one month from the date of reporting of such failure by the Department. If the contractor fails to repair such transformers failing within the guarantee period, the Department will get such transformers repaired by itself or any other agency & the cost of such repairs will be recovered from the contractor.

7) PAYMENT:

Subject to availability of funds, the final payment will be made to the extent of the work measured & accepted only after recording work completion reports/certificates by the Sub-Divisional Engineers.

8) GOVERNING CONDITIONS:

All other conditions will be as per C.P.W.D. 8/10 form. All the related documents enclosed herewith should be signed in full on each page by the tenderer over his company / firm's official seal.

Any deletions, alterations or over writings found in the documents at the time of opening of bids should have been appended by the tenderer with his signature failing which such deletions, over writings or modifications will not be considered.

If the tenderer authorizes any other person to sign any document related to this contract he should do so by executing a power of attorney in favour of such person failing which any documents signed by a person other than one who has signed the tender documents will not be accepted by the Department.

The specification, terms & conditions, etc. annexed to this tender shall form part of this contract along with PWD form 8/10 & as such it should be read along with the tender & signed over the rubber stamp on each page.

It is not binding on the undersigned to accept the lowest tender. Tenders which do not fulfill any of the conditions mentioned herein or are incomplete in any respect are liable to be rejected. The Department reserves the right to reject any or all the tenders without assigning any reasons.

- 9) The transformers to be repaired will be available for inspection by the tenderers at Pontemol, Quepem & Sanguem from 10.00a.m. to 12.30 p.m. & from 3.00p.m. to 5.30p.m. on all working days. The tenderers are requested to contact either the Executive Engineer, Elect. Division VII, O&M, Curchorem-Goa, or the Sub-Divisional Engineers, Elect. Sub-Division I, II, III & IV, Curchorem, Quepem & Sanguem-Goa respectively for such inspection.
- 10) The tenderers in their own interest should thoroughly inspect the transformers & assess themselves of the various parts to be supplied & / or to be replaced & the repair works to be carried out on each transformer & accordingly quote their Lumpsum rate/KVA for complete supply or replacement of the parts required & the repair works to be carried out including testing. **It is the responsibility of the tenderer to assess the quantity of new transformer oil required for filling up to the level in all the transformers.**

Any subsequent claim over & above the Lumpsum rates quoted by the tenderer on the plea that such assessment could not be carried out by him properly & on any other pleas will not be entertained.

- 11) The department will not provide any space for repairs of the transformers & the contractor will have to carry out the entire repair & testing work at his own workshop. The failed transformer will be made available at Pontemol & Sanguem. The tenderer will have to make his own arrangements for lifting the failed transformers from these places, transport to his workshop & return of repaired transformers at Pontemol & Sanguem. The rates quoted should be inclusive of loading of failed transformers, to & fro transportation & unloading of repaired transformers at Pontemol, Curchorem, Quepem & Sanguem. Sub-Divisional Engineers, Elect. Sub-division I, II, III & IV, Curchorem, Quepem & Sanguem-Goa respectively will hand over the failed transformers to the contractor.
- 12) The contractor will be responsible for safe custody of the transformers after taking over from Sub-Divisional Engineers, Elect. Sub-division I, II, III & IV, Curchorem, Quepem & Sanguem-Goa respectively till the same are repaired & returned to him. Any loss or damage due to handling or theft or any other reasons during this period will be to the contractor's account. The amount of damages if any during this period will be recovered from the contractor's pending bills.
- 13) The repair of the transformers will include wherever necessary
- Replacement & / or provision of all HT coils, LT coils, damaged laminations, gaskets, empire & cotton insulation, insulation paper & press boards, copper leads, HT & LT brushings, dehydrating type breathers with silica gel, stop cocks, conservator caps, arcing horns & any other parts.
  - The transformers should be repaired for a fixed ratio of 11KV / 433V
  - All failed distribution transformers will be handed over to the contractor without oil. The contractor will be responsible to fill all the transformers with new transformer oil conforming to IS: 335/83 with latest amendment upto the prescribed oil level. The contractor shall accordingly quote the rates inclusive of the cost of the new transformer oil. Reconditioned oil will not be accepted. The department reserves the right to test the oil & to reject the same if it does not conform to the relevant IS: specification.
  - Thorough cleaning of all the parts & accessories of the transformers before tanking & filling transformer oil.
  - Oven or vacuum drying of the core, windings & any other parts to bring up the insulation resistance values up to the values mentioned elsewhere here in.
  - Painting the transformer including conservator tank with one coat of red oxide paint & grey paint of good quality after thoroughly scrubbing on the outside & removing the old paint to give a pleasing appearance & good finish.
  - Replacement of all missing parts & re-assembly of the transformer.
  - Routine testing of all the transformers as specified under testing clause.
  - Any other repairs which may be necessary to make the transformer readily operational must be carried out for all the transformers so that the transformers give proper & satisfactory service after commissioning.
  - The wire to be used for the replacement of various coils of the windings should be of the same cross-section & the same material of the original coils. Also the number of turns should be same as in the original coils to be replaced. The original design of the transformer should not be modified in any way.

k) All the material removed from the transformers after their replacement by new parts shall be retained by the contractor. Hence rate shall be quoted considering due credit for dismantled materials.

14) TESTING:

The contractor will have to inform about the availability of transformers for testing two weeks in advance.

All the following tests prescribed in IS Specification IS: 2026/1962 & IS: 1180/1964 as amended upto date will have to be conducted on each & every repaired transformer after they are repaired.

- a) Measurement of the winding resistance measured with Kelvin's & / or Wheatstone bridge as required by the Department.
- b) Measurement of turns ratio with the ratio meter.
- c) Checking of polarity & phase relationship.
- d) Measurement of load losses.
- e) Measurement of Impedance voltage.
- f) Measurement of no load losses & no load current.
- g) Measurement of insulation resistance with 1000 volt meggar.
- h) Applied high voltage test (separate source voltage withstand test.)
- i) Di-electric & acidity tests on oil samples.

All the above tests should be within the tolerance limits as per amendment No.3 of IS: specifications of IS: 2026/1962 & subsequent amendment except in the following cases where the tolerance mentioned below will be admissible.

1. Turn ratio: Tolerance on all the other tappings also should be within the limits specified for the principle tappings in the relevant IS;
2. No load loss: This should not exceed the specified loss by more than 40%.
3. Load losses: Load loss should not exceed the specified loss by more than 15%.
4. No-load current should not exceed the specified value by more than 40%.
5. Total loss: Tolerance on total loss will not be considered separately. Tolerance on individual losses mentioned above only will be insisted upon.

The insulation resistance of the windings should not be less than the following value at 30 deg. C.

1. HT to ground not less than 200 mega ohms.
2. HT to LT not less than 200 mega ohms.
3. LT to ground not less than 100 mega ohms.

The above mentioned tolerance will be applied to the rates mentioned in the name plate details. In case the name plate details are not available the rated values will be taken as per the standards mentioned in their relevant ISI specification.

The test should be carried out by the contractor in the presence of the representative of this department. The test certificate signed by the competent engineer of the firm should be furnished in the enclosed Proforma for every transformer. The transformer will be accepted only if the test results are acceptable to the Engineer-in-charge.

The above test will have to be conducted by the contractor even on those transformers, which he has repaired but failed later within the guarantee period. The above mentioned condition will be applicable for the tests conducted on such transformers failing within the guarantee period.

15) PROOF OF PRIOR EXPERIENCE:

The tenderer should furnish a list of works relating to the repairs of such distribution transformers or power transformers already carried out by him in the past together with duly attested copies of performance certificates issued by the concerned authorities along with the offer.

16) DELIVERY:

The repairs of transformers should be completed in all respects to the entire satisfaction of the Sub Divisional Engineers, Electricity Department, Division VII, Curchorem-Goa & delivery of them after such repairs within 30 days from the written order to commence the work. The transformers should be repaired & delivered in a phased manner. The tenderer along with the quotation should submit a time bound programme to complete the works indicating there in the number of transformers that will be delivered in the phased manner. However, in case of priority repairs the selection of transformer on KVA bases will be made by the Engineer-in-charge.

SIGNATURE:

EXECUTIVE ENGINEER-VII  
CURCHOREM

SEAL OF THE CONTRACTOR:

ABSTRACT

Details of failed Transformers to be repaired

Sr No	Office	Make	Capacity KVA	Manufacture serial no.	Qty of oil in ltrs
1	Elect Sub Div-I, Curchorem	Stanelec make	160	G/0501537	250
2	Elect Sub Div-I, Curchorem	Stanelec make	100	GP/070176	170
3	Elect Sub Div-I, Curchorem	Siddhivinayak	100	SVT/TR/ 351/25	170
4	Elect Sub Div-II, Quepem	Standard make	100	8550602	140
5	Elect Sub Div-II, Quepem	Stanelec make	100	G/0909465	156
6	Elect Sub Div-IV, Curchorem	Stanelec make	100	G/101263	200
		Total	660		1086

EXECUTIVE ENGINEER-VII