



PUDUCHERRY POWER CORPORATION LIMITED

(A GOVERNMENT OF PUDUCHERRY UNDERTAKING)

PROJECT OFFICE, T.R. PATTINAM 609 606, KARAIKAL.

Phone: 04368-233060

Email: ppclmmc@gmail.com

Telefax: 04368-233287

Ref.No.AB-070/MMC/2024-25/1452

GSTIN No.34AAACP6507E1ZS

Dt.13.11.2024

ENQUIRY

To

Sub: Inviting offer for OLTC Oil Filtration and Oil Leakage arresting and Oil Filtration of NGT - Reg.

QUOTATION TO BE:

Submitted on or before: 03.12.2024 -5.00 pm	Opened on: 04.12.2024 - 12.00 pm
Kept valid for 6 months from the date of opening	Submitted in TWO parts.

Sealed quotation is invited for OLTC Oil Filtration and Oil Leakage arresting and Oil Filtration of NGT. The scope of work and specification of OLTC/NGT are enclosed and the terms & conditions are mentioned therein.

Pre Qualifying Requirement (PQR):

The Party should have previous work experience in Power Transformer oil purification, overhauling/repair work, oil leak arresting work of Power Transformer in Power Plant/sub-station and supporting document to be submitted with the offer.

General Terms and conditions:

1. The rate quoted should be inclusive of providing of Oil filtration machine, manpower, transport charges, tools and tackles, etc. required for the works, all taxes and other charges as admissible.
2. Applicable other charges, if any should be clearly mentioned as whether inclusive or extra. If not mentioned, it will be presumed that the rate quoted is inclusive of all other charges.
3. The party shall be required to place the "PQR" and the "Tender" in two separate sealed envelopes marked "PQR" and "Tender" respectively. Both the envelopes shall then be placed in another sealed envelope and submitted to the tender inviting authority in the usual manner. The officer opening the tenders shall first open the envelope containing the "PQR". One week time will be given to the party for submitting the pre existing shortfall documents. If the PQR is found to be in order, only then the Officer shall proceed further with opening the Tender.
4. **The L1 bidder shall be arrived as the lowest bidder for total amount for all the items. The rate is to be quoted for all items.**
5. The rate has to be quoted in the prescribed tabular column format for work measurement.
6. The work should be carried out in PPCL site, T.R.Pattinam, Karaikal 609 606. **The specification of the transformers and the scope of the work are enclosed.**
7. No Workshop facility is available inside PPCL campus and outside private workshops to be utilized by the party concerned at their own cost.
8. Exact date for commencement of work will be intimated appropriately.
9. Necessary Gate pass should be obtained well before the commencement of work.
10. The party should ensure round the clock progress of work at site and should follow all safety rules and procedures strictly inside the plant. In case of any faulty workmanship in the scope of work, the tenderer must rectify the same on free of Cost.



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ENQUIRY PAGE-02

11. **PAYMENT: 80%** Payment for Oil Purification Work will be made within 30 days from the date of receipt of your invoice after completion of work satisfactorily and approval of Engineer-in-charge and the balance **20%** Payment will be made after submission of ESI / EPF etc. documents.
12. **The bill in triplicate along with advance stamped receipt should be sent to the undersigned for effecting payment.**
13. The **20%** Payment will be made only after submission of the following :
 - **For EPF:**
To be generated from the EPF website for the specific month for the manpower deployed to PPCL and the same to be enclosed separately with a covering letter.
 - i. Combined challan of account no.01, 02, 10, 21 &22 with TRRN number.
 - ii. EPF-Electronic Challan cum Return (ECR)
 - iii. EPF Challan summary/EPF-TRRN details.
 - **For ESI:**
To be generated from the ESI website for the specific month for the manpower deployed to PPCL and the same to be enclosed separately with a covering letter.
 - i. ESI challan number
 - ii. ESI monthly contribution –online challan status (Transaction details)
 - iii. ESI monthly contribution (Contractor wise) for the month of.....
14. Party should obtain all permits and licenses under the laws or regulations applicable and in connection with the work carried out and shall comply with and discharge all statutory obligations/liabilities under the various laws such as Factory Act/Workmen's Compensation Act /Employee's State Insurance Act / Employee's Provident Fund Act / Payment of Wages Act / Contract Labor (Regulation & Abolition) Act / Minimum Wages Act Etc., or any modification thereof.
15. The bidder shall make payments for ESI & EPF in separate code number other than PPCL code. No permission shall be given for PPCL code.
16. The work should be completed within 7 days from the commencement of the work.
17. Our Tax payment Identification **GSTIN No.34AAACP6507E1ZS** is registered with Commercial Taxes Department, Puducherry. Bidder should furnish their GST details.
18. Quotations through fax/mail and late bids received after due date will not be considered.
19. Sealed quotations should be super scribed as "QUOTATION/ENQUIRY REF NO:AB-070,for Transformer oil Filtration work".
20. If the tender opening date happens to be a holiday, the tender will be opened on the next working day.
21. The undersigned reserves all rights to accept/reject any or all the quotations without assigning any reasons thereof.
22. The work order is not transferable and subcontract/sublet of work is not permitted.


EXECUTIVE ENGINEER (MECH.)



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ENQUIRY PAGE-03

SCOPE OF WORK

OIL LEAKAGE ARRESTING WORK AND FILTRATION OF OIL IN NGT-I

1. The contractor has to bring the stream line filter machine fitted with a vacuum pump for the transformer oil filtration purpose
2. The capacity of the filter machine should be minimum 2500 LPH.
3. The contractor should bring the oil testing kit along with filter machine. The voltmeter in the oil testing kit should have been calibrated and the calibration certificate needs to be produced for the same.
4. Complete draining of Transformer oil from the main tank of NGT- I. and replacement of all gaskets by new gaskets. (Gaskets under contractor's scope)
5. Disconnection of HV and LV cable in NGT-I and Lifting of Top cover reconnection of HV and LV cable in NGT-I and fixing of top cover after completion of the work. The extract location of oil leakage is to be identified and arrested. The materials, consumables required for the above work is under contractor scope.
6. New Transformer oil topping up in the, main tank of NGT-I and filtration of oil to be carried out to get the optimum value.
7. The testing of oil should be in accordance with IS: 6792. Two samples of each of the oil should be tested before and after filtering and reports to be furnished. The BDV of transformer oil tested should be more than 60 KV RMS for one minute with a gap testing of 2.5 mm. The circulation is to be continued more than 3 cycles if required until the above BDV is reached as instructed by Engineer- In-Charge. The test should be carried out six times and the arithmetic mean of the six results should be reached.
8. The Transformer oil if required for top up will be supplied under PPCL scope.
9. The necessary single/three phase supply for the filtration machine will be provided by PPCL.
10. Necessary tools and tackles for attending the oil leakages and the consumables for the above said job are in the contractor's scope.
11. The contractor should leave the site only after energizing of the Transformer.
12. In case of any faulty workmanship in the scope of the work, malfunction the contractor must rectify the same at their own cost.
13. For the above said works the contractor should inspect the transformer at PPCL site before submission of their offer.

15 MVA POWER TRANSFORMER -I OLTC CHAMBER OIL FILTRATION WORK

1. The contractor has to bring the stream line filter machine fitted with a vacuum pump for the transformer oil filtration purpose
2. The capacity of the filter machine should be minimum 2500 LPH.
3. The contractor should bring the oil testing kit along with filter machine. The voltmeter in the oil testing kit should have been calibrated and the calibration certificate needs to be produced for the same.
4. Complete draining of Transformer oil from OLTC chamber of Power Transformer -I and replacement of all gaskets by new gaskets. (Gaskets under contractor's scope).



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ENQUIRY PAGE-04

5. New Transformer oil topping up in the OLTC chamber of Power Transformer -I and filtration of oil to be carried out to get the optimum value.
7. The testing of oil should be in accordance with IS: 6792. Two samples of each of the oil should be tested before and after filtering and reports to be furnished. The BDV of transformer oil tested should be more than 60 KV RMS for one minute with a gap testing of 2.5 mm. The circulation is to be continued more than 3 cycles if required until the above BDV is reached as instructed by Engineer- In-Charge. The test should be carried out six times and the arithmetic mean of the six results should be reached.
8. The Transformer oil if required for top up will be supplied under PPCL scope.
8. The necessary single/three phase supply for the filtration machine will be provided by PPCL.
9. Necessary tools and tackles for attending the oil leakages and the consumables for the above said job are in the contractor's scope.
10. The contractor should leave the site only after energizing of the Transformer.
11. In case of any faulty workmanship in the scope of the work, malfunction the contractor must rectify the same at their own cost.
12. For the above said works the contractor should inspect the transformer at PPCL site before submission of their offer.

Specifications

15 MVA Transformers -1 & 2 with OLTC

Make	: Apex Electricals LTD
Type	: Out Door
Capacity	: 12000/15000 KVA
H.T Voltage	: 115000 V
H.T Amps	: 60.2/75.3 A
L.T Voltage	: 11000 V
L.T Amps	: 629.8/787.3 A
Connection (HT/LT)	: Star/Delta
Vector Group	: YnD11
Type of Cooling	: ONAN/ONAF
Total Weight	: 36.875 Tons
Wt of Oil	: 9975 Kg/11600 Lts

NGT -1 & 2

Make	: APEX Electrical Ltd
Type of cooling	: ONAN
Rating	: 150 KVA
No Load HT/LT	: 11000 V/ 240 V
Current HT/LT	: 7 A/ 360 A
Vector group	: Star/Delta
Phase	: 3
Oil	: 400 kg/ltr



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ENQUIRY PAGE-05

Sl. No	Description	Amount (Rs.)
1	Charges for the Oil leakage Arresting work and Filtration of Oil in NGT -1 <u>as per the enclosed scope of works/specifications</u>	
2	Charges for 15MVA Power Transformer -1 OLTC Chamber Oil Filtration Works <u>as per the enclosed scope of works/specifications</u>	
3	Transportation charge for filtration machine	
	Sub-Total	
	GST @ %	
	Total Amount (Rs.)	

Commercial Terms and Condition:

Sl. No	Details	Terms in Tender	Terms Accepted by the Party
1	Price Quoted	Inclusive of Machine , Man power, ESI/EPF, Transport charges, Tools & tackles etc	
2	Payment Terms	As per the Terms clause 11.	
3	Validity	90 Days from date of opening of Tender	
4	Supporting Documents for the previous experience	Should be enclosed, Two separate envelops (i) PQR (ii) Price bid	
5	Delivery/ Completion Period	Vendor to specify. Estimated seven days from commencement of work.	
6	The Oil Purification/Filtration machine Capacity of at least 2500LPH to be utilized.	To be Accepted	
7	Acceptance of All the Terms and Conditions	To be Accepted	

Signature with Seal of the Party