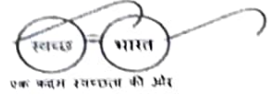




PUDUCHERRY POWER CORPORATION LIMITED
(A GOVERNMENT OF PUDUCHERRY UNDERTAKING)
T.R. PATTINAM - 609606, KARAIKAL.



Phone No: 04368- 233060

E-Mail : ppclmmc@gmail.com

Our GSTIN No.: 34AAACP6507E1ZS

Dt. 23.03.2023

Ref. No: W-113A/MMC/2022-23/ 9378

ENQUIRY

To

As per list enclosed.

Sub: Work of opening the end covers of the condensers and coolers for the work of water jet cleaning, Annual Maintenance and closing the covers after completion of jet cleaning- Reg.

QUOTATION TO BE:

Submitted on or before 23.03.2023- 12.00 PM	Opened on 24.03.2023 -03.00PM
Kept valid up to three months	Submitted in TWO PARTS.

Sealed quotations are invited for the work of opening the end covers of the condenser and coolers for the work of water jet cleaning, Annual Maintenance and closing the covers after completion of jet cleaning as per the scope of work furnished in the annexure and as per our terms and conditions mentioned therein.

PRE-QUALIFICATION REQUIREMENTS:

THE BIDDER SHOULD HAVE EXPERIENCE IN THE HEAT-EXCHANGER END COVER FABRICATION WORK OR REPAIR WORK OR DISASSEMBLY AND ASSEMBLY WORK IN ANY INDUSTRY OR GOVERNMENT AGENCY. THE SUPPORTING DOCUMENTS SHOULD BE ENCLOSED WITH THE OFFER.

TERMS AND CONDITIONS:

1. The rate quoted should be inclusive of material, manpower mobilization and demobilization, tools and tackles, etc. required for the works, GST, EPF & ESI charges and other charges as admissible.
2. 100% Payment 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 after submission of EPF/ESI, etc. documents. Otherwise 80% payment will be made after completion of work satisfactorily and approval of Engineer-in-charge and the balance 20% payment will be made after submission of necessary EPF & ESI, etc. documents.



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3. The bill in triplicate along with advance stamped receipt should be sent to the undersigned for effecting payment.
4. **Rate should be quoted per work in the tabular column attached for measurement purpose. The L1 position shall be arrived on lump sum basis for completing the entire scope of work furnished in the annexure for all heat exchangers / coolers.**
5. ESI/EPF in separate code PPCL code shall not be given.
6. The contractor should submit 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 Clallan summery/ 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 details (contractor wise) for the month of.....

And other records to be submitted along with the above:

Copy of register of wages for the persons deployed to PPCL duly attested by the contractor.

Copy of register of muster roll/attendance for the persons deployed to PPCL duly attested by the contractor.

Copy of payment proof for the persons deployed to PPCL through bank duly attested by the contractor.

In addition to the above as a mandatory, the proposed parties/manpower supply contractors have to obtain the FORM-III -Registration certificate under Pondicherry shops and Establishment Rules 1964 as a Employer of the Establishment to be permitted to employ persons under their firm and also obtain Labour License under the contract labour (Regulation & Abolition act. 1970 with the labour Department, Government of Puducherry, Karaikal.

7. Necessary Gate pass should be obtained well before the commencement of work.
8. All the Safety Rules as per the Factory Act 1948, Puducherry Factory Rule and PPCL Safety instructions to be strictly followed inside the plant area.
9. In case of any faulty workmanship in the scope of work, the tenderer must rectify the same. Otherwise the estimated amount will be deducted in your work bill.
10. Our GSTIN No.: 34AAACP6507E1ZS registered with Commercial Taxes Department, Puducherry.



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Dt. 03.03.2023

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11. **EARNEST MONEY DEPOSIT:** An Earnest Money Deposit of **Rs.7,100/- (Rupees Seven Thousand and One Hundred Only)** should be paid by demand draft drawn in favour of the Executive Engineer (Mech), Puducherry Power Corporation Ltd T.R. Pattinam, Karaikal on any Nationalized/Scheduled bank payable at Karaikal. The same should be enclosed along with tender /quotation failing which tender will be summarily rejected. The earnest money deposit will bear no interest and will be released after successful completion of the works and acceptance. The EMD will be returned to unsuccessful bidders.
12. PSU & Parties registered with NSIC or SSI or MSME are exempted for submitting EMD/SD. However copies of supporting Documents/Certificates should be kept in separate cover super scribing "Earnest Money Deposit Exemption".
13. The party shall be required to place the earnest money/exemption and PQR the financial bid in separate sealed envelopes marked "Earnest Money exemption and PQR the financial bid 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 earnest money. If the earnest money/ exemption and PQR the financial bid is found to be in order, only then the Officer shall proceed further with opening the tender. In case the earnest money is not deposited or is not in order, the tender will be rejected.
14. **Liquidity Damage Clause:** If the contractor fails to complete the work as scheduled after placing the work order, then the Contractor shall pay LD @ 0.5% for each day delay in work and the total LD % will be subject to the maximum of 5% of the total value.
15. Sealed quotation should be super scribed as "QUOTATION / ENQUIRY NO. W-113A "Work of opening the end covers of the condenser and coolers for the work of water jet cleaning, Annual Maintenance and closing the covers after completion of jet cleaning as per the scope of work attached" at PPCL, T.R.Pattinam, Karaikal due on 23.03.2023".
16. Applicable other charges, if any should be clearly mentioned as whether inclusive or exclusive. If not mentioned, it will be presumed that the rate quoted is inclusive of all taxes other charges.
17. The party should submit two copies of photographs of all the employees deployed in PPCL for the above work for gate pass purpose. The name & photo of the employees should be attested by the contractor.
18. The bidder should provide pre-existing document for PQR copies as and when asked within one week time.
19. The undersigned reserves all rights to accept/reject any or all the quotations without assigning any reasons thereof.
20. The work should be completed within 10 days from the commencement of work during shutdown. The mobilization time of one week shall be given.
21. The work should not be sub-let. Sub-contracting not permitted.

03/03/2023

EXECUTIVE ENGINEER (MECH)-PLANT

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Ref. No: W-113A/MMC/2022-23/ 2398

Our GSTIN No.: 34AAACP6507E1ZS

Dt.03.03.2023

ANNEXURE

**SCOPE OF WORK FOR COOLERS AND CONDENSER OPENING & CLOSING FOR
JET CLEANING FOR THE YEAR-2023-24**

GAS TURBINE LUB OIL COOLER (2 NOS)

1. Removal of all inlet and outlet valves and branch pipes.
2. Opening of both the end covers for each cooler one by one.
3. Cleaning of end covers with wire brush
4. Reconditioning / repair work for all end covers.
5. Painting of end covers.
6. Gasket preparation, Fixing of gasket and boxing up of the cooler.
7. Tightness checking of waterside.
8. After servicing of valves re-fixing of all inlet and outlet valves and branch pipes. All joint gaskets have to be cut according to the size.
9. After charging of cooling water, if any water leakage in the system noticed, that is to be rectified.

GAS TURBINE GENERATOR COOLER (4 NOS)

1. Removal of the cooling water distribution header in the inlet and outlet for all the gas turbine generator coolers.
2. Removal of all inlet and outlet valves for all GTG coolers.
3. Opening of both the end covers for each cooler one by one.
4. Cleaning of end covers on both sides with wire brush.
5. Reconditioning / repair work (Welding/Cutting)for all end covers.
6. Painting of end covers on both the side.
7. Preparation of Gasket, Fixing of gasket on both the side and boxing up of the coolers.
8. Tightness checking of waterside.
9. Servicing of inlet and outlet valves of each cooler,(if required, valve to be changed) serviced valve to be fixed again.
10. All joint gaskets have to be cut according to size,
11. After charging of cooling water if any water leakages in the system that is to be rectified.

STEAM TURBINE CONDENSER (1 NO)

1. Open the both side doors of water boxes one half at a time. After completion of all maintenance work in one half as mentioned below, second half of the water box to be opened. After completion of all maintenance work as mentioned below in second half, close the door and box up the condenser after inspection Engineer In charge.
2. Cleaning of water box area both the side with wire brush.



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3. Inspection for water box and if found any corrosion or leaky damaged portion, it is to be repaired by patch welding.
4. Water box partition plate to be repaired/replaced as per instruction of Engineer in-charge. Inspect sacrificing anode and refixing in water box.
5. Painting of internals and the inside of the water box and cover.
6. Inspection of cooling water tightness by filling the steam space up to the top most tube with water. If any tube leakages observed, the same to be attended.
7. Boxing up of the cooling water side.
8. Hot well manhole door to be opened for inspection, cleaning with wire brush.
9. Boxing up of hot well.
10. Hydraulic/Pressure Checking of tube and shell up to test pressure as per the instruction of Engineer In charge. If any tube/shell leakages observed the same to be repaired as per the instruction of Engineer In charge.
11. All joint leakages/ door gaskets have to be cut according to size.
12. Inspection of condenser tightness and cooling water leakages in the water box during cold start up.
13. After charging of cooling water if any water leakages in the system that is to be rectified.

STEAM TURBINE LUB OIL COOLER (1 NO)

1. Opening of top cover for lube oil cooler.
2. Opening of top cover for oil cooler waterside.
3. Cleaning of top cover, and bottom side with wire brush.
4. Removal of cooling water inlet and outlet valves and drain plugs for the shell side and servicing of inlet and outlet valves and re-fixing.
5. Removal of shell and tube bundle and shifted to STG yard for repair work.
6. Repair the corroded/damaged portions of END covers and bottom water box as per Instruction of Engineer In-charge. End cover Gasket portion to be metal filled and machined.
7. Painting of end covers, and bottom side.
8. All joint gaskets have to be cut according to size.
9. Reassemble shell and tube bundle as per the existing system.
10. Hydraulic/Pressure Checking of tube and shell up to test pressure as per the instruction of Engineer In charge. If any tube/shell leakages observed the same to be repaired as per the instruction of Engineer In charge.



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11. Tightness checking of waterside.
12. Fixing of gasket and boxing up of the oil side and checking of oil leak.
13. Tightness checking of oil side.
14. After charging of cooling water if any water leakages in the tube side that is to be rectified.

STEAM TURBINE GENERATOR AIR COOLER (6 NOS)

1. Opening of both the end covers for each cooler one by one.
2. Cleaning of end covers on both sides with wire brush.
3. Painting of end covers on both the side.
4. Reconditioning / repair works of all end covers to ensure leak proof.
5. Fixing of gasket on both the side and boxing up of the cooling waterside.
6. Tightness checking of waterside.
7. Removal and servicing of all cooler inlet and outlet valves. (if required, valve to be replaced)serviced valves to be fixed in position.
8. All joint gaskets have to be cut according to size.
9. After charging of cooling water if any water leakage in the system that is to be attended.

GAS BOOSTING COMPRESSOR COOLERS (10 NOS)

(INTER COOLER- 5 NOS, BYPASS COOLER- 5 NOS)

1. Opening of the end covers.
2. Cleaning of end covers with wire brush.
3. Reconditioning/ repair work of all end covers.
4. Painting of end covers.
5. Fixing of gasket has to be cut according to size.
6. All joint gaskets have to be cut according to size.
7. Tightness checking of waterside.
8. After charging of cooling water if any water leakages in the system that is to be attended.

PLANT A/C CONDENSER (2 NOS)

1. Opening of the end covers.
2. Cleaning of end covers with wire brush.
3. Reconditioning/ repair work of all end covers.
4. Painting of end covers.
5. Fixing of gasket and boxing up of the cooling water side.
6. All joint gaskets have to be cut according to the size.
7. Tightness checking of waterside.
8. After charging of cooling water if any water leakages in the system that is to be attended.



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Dt. 02.03.2023

ANNEXURE Page-4

PPCL SCOPE:

1. Cleaning of tubes will be done by PPCL.
2. Adequate time interval between disassembly of the coolers and covers and reassembly to be given for cleaning.
3. Paints will be provided by PPCL.
4. Rubber gasket, Water gasket, Bolt & nuts, welding rods will be supplied by PPCL.

CONTRACTOR SCOPE:

1. The contractor should be responsible for the safety of their personnel & their equipment. Necessary PPE and other safety norms should be followed.
2. Where ever required, necessary scaffolding with material has to be arranged by the contractor. Scaffolding to be arranged well before shutdown. Mobilization of manpower and tools and tackles by the contractor should start at least one day before shutdown of the unit.
3. All tools, tackles, manpower and consumables other than PPCL scope to be arranged by the contractor.
4. Welding machine, welding cables, Gas cutting set with oxygen, acetylene cylinders to be arranged by the contractor before starting the work.
5. Cutting of gaskets for all coolers and condenser should be done by the contractor.
6. One site supervisor to be deputed to the site for early completion of work.
7. Work should be carried out in parallel in all the cooler and condenser areas to complete the entire work within 10 days from the date of shutdown.
8. The contractor shall do any machining work if required to complete the job including transport.
9. **The party should visit the site before quoting the rate.**



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ANNEXURE Page-5

Name Of Work: "Work of opening the end covers of the condensers and coolers for the work of water jet cleaning, Annual Maintenance and closing the covers after completion of jet cleaning during shutdown".

Note: Scope of work for each cooler is as per the enquiry annexure page No.1 to 4

Sl. No	Description	Qty	Unit Rate in Rs	Total Amount in Rs.
1.	GAS TURBINE LUB COOLER	2 Nos		
2.	GAS TURBINE GENERATOR COOLER	4 Nos		
3.	STEAM TURBINE CONDENSER	1 Nos		
4.	STEAM TURBINE LUB OIL COOLER	1 Nos		
5.	STEAM TURBINE GENERATOR AIR COOLER	6 Nos		
6.	GAS BOOSTING COMPRESSOR INTER COOLER	5 Nos		
7.	GAS BOOSTER COMPRESSOR BYPASS COOLER	5 Nos		
8.	PLANT A/C CONDENSER	2 Nos		
Transport, Accommodation, Boarding and EPF & ESI Charges				Inclusive
Sub Total				
GST @ 18%				
Grand Total				
Total Rs. in words:				

Payment Terms: As per Terms & Condition - 2

Validity: 90 days

Note: 1) The rates to be quoted in all the columns of the above schedule and no columns should be left blank, if any column is left blank then the offered quotation will not be considered.

2) The quoted schedule should be affixed by the company seal and signed by the concerned authority.

Name of the Company:

Company seal with Signature: