



## PUNJAB STATE POWER CORPORATION LIMITED

(Regd. Office : PSEB Head Office, The Mall, Patiala – 147001

Corporate identity Number U40109PB2010SGC033813 Website: [www.pspcl.in](http://www.pspcl.in)

**Open Tender Enquiry No.** 256 /P-3/EMP-W 11674 dated: 17.12.19

**Scope of Work:** Replacement of condenser tubes of central air conditioning plant of UCB stage-II, GGSSTP Rupnagar.

**Time period:** As per NIT

**EMD:** @2% of tender value (Minimum of Rs.5000/- & Maximum of Rs.10 Lacs)

Last date & time for sale of tender document: 20-01-20 & 5.00 PM


Date and time for apply for registration : 17-01-20 & 5.00 PM

Date & time up to which tender shall be received: 23-01-20 & 11:00 AM

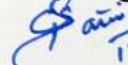
Date & time of opening of tender: 23-01-20 & 11:30 AM

A set of tender documents containing detailed technical specifications, General instructions and terms & conditions can be obtained from SE/Monitoring, V & P.O. Ghanauli, GGSSTP, Rupnagar on payment of **Rs.500 + GST @18%** by cash or demand draft drawn in favour of Accounts officer /O&M, GGSSTP, Rupnagar payable at Rupnagar (Ropar) Punjab.

**Note:** The prospective bidders are requested to visit the PSPCL's website: [www.pspcl.in](http://www.pspcl.in) periodically even after purchasing the tender documents to check for corrigendum issued, if any. No corrigendum shall be published in newspaper

  
DY.CE/Monitoring,  
GGSSTP, Rupnagar

**Save Electricity for Prosperity of Nation.**

  
17-12-19

-CP-3  
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**PUNJAB STATE POWER CORPORATION LIMITED**  
(GURU GOBIND SINGH SUPER THERMAL PLANT)

**TENDER SPECIFICATION**

Sealed tenders are invited in duplicate from experienced and reputed firms for following job per tender specifications:

**"Replacement of condenser tubes of central air conditioning plant of UCB stage-II, GGSSTP Rupnagar."**

Enquiry No: 256 Dated : 17-12-19

Last date & time of sale of tender documents	:	Upto 11.00Hrs. 20-1-20
Last date & time of receipt of tenders	:	Up to 11.00 Hrs. 23-1-20
Date & time of opening of tenders	:	at 11.30 Hrs. 23-1-20
Cost of tender specifications	:	Rs. 500/- + GST @18%
Earnest money	:	@2% of tender value (Minimum of Rs.5000/- & Maximum of Rs.10 Lacs)

**TERMS AND CONDITIONS:**

1) Tenders of those bidders who have purchased the specifications shall only be opened and considered.

2) **Pre Qualification Requirement :**

- I. Tenders of only those firms/contractors will be considered who are registered with PSPCL /PSTCL/NTPC and other such central Govt. organizations for the jobs of re-tubing of heat exchangers/condensers. Further the firm should have experience of retubing work of condensers/heat exchangers in any industry during last seven year ending 30.11.2019 should be either of the following:-
  - a) Three same works costing not less than Rs. 45,000/- each OR
  - b) Two same works costing not less than Rs. 54,000/-each OR
  - c) One same work costing not less than Rs. 90,000/-each.
- II. Average annual financial turn over during the last three year, ending March of the previous financial year, should be at least Rs. 90,000/-.
- III. Bank Solvency: Latest bank solvency certificate of minimum **Rs. 1.80 Lacs.** Bank solvency certificate should not be more than 12 months old.

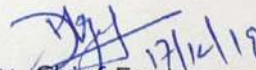
3) **Pre Qualification Requirement for registration:**

- I. The firm should have experience of retubing work of condensers/heat exchangers in any industry during last seven year ending 30.11.2019 should be either of the following:-
  - a) Three same works costing not less than Rs. 45,000/- each OR
  - b) Two same works costing not less than Rs. 54,000/-each OR
  - c) One same work costing not less than Rs. 90,000/-each.
- II. **Average annual financial turn over** during the last three year, ending March of the previous financial year, should be at least Rs. 90,000/-.
- III. **Bank Solvency:** Latest bank solvency certificate of minimum **Rs. 1.80 Lacs.** Bank solvency certificate should not be more than 12 months old.
- IV. **Address of Office for Registration:-**

Dy.Chief Engineer/Mech. Mtc. Circle-I,  
GGSSTP, PO-Ghanauli-140113 Rupnagar (Punjab).  
Phone: 01881-274245, Fax: 01881-27432

Note: At the time of submission of documents for registration, firm shall mention enquiry number on the top of envelop.

- 4) Those tenderers who consider themselves eligible for participation can get themselves registered with GGSSTP by submitting the attested copies of followings documents along with non-refundable **registration fee of Rs. 1000/- (Rs. One Thousand Only) plus GST @ 18%** in cash receipt or through demand draft **in favour of AO/GGSSTP, PSPCL, Ropar payable at Ropar.**
- Copies of work orders and completion certificates for experience as per PQR.
  - Copies of Audited balance sheets over during the last three financial years, ending 31<sup>st</sup> March of previous financial year.
  - Bank solvency of minimum **Rs. 1.80 Lacs.** Bank solvency certificate should not be more than 12 months old.
  - Proof of PAN and Proof of GST number.
  - Proof of independent EPF account number.
  - EPF clearance certificate: EPF clearance certificate for last financial year needs to be obtained. In the event of non-availability of clearance certificate proof of deposit of EPF for last two years shall be required.
  - An Affidavit in original dully attested by an Executive Magistrate/Notary to the effect that
    - The firm is not defaulter in respect of deposition of EPF to the concerned EPF/ESI department for workers deployed against work orders placed by PSPCL or any other organization on it in the last five years. In case firm is found defaulter at any stage, the contract shall be cancelled without any notice.
    - That the firm has not been black listed by any government/public sector undertaking during the last 5 years.Tender will be considered if the registration of the firm is done on or before the last date of bid submission.
5. The registration of the firm will be done on merit on the basis of credentials of the firm and decision of Dy. Chief Engineer, MM-1/GGSSTP shall be final in this regard. Tender will be considered if the registration of the firm is done on or before the date of downloading of tender documents.
- 6 All tenders must be accompanied by Earnest Money at the rates prescribed in the tender documents except in the case of those tenderers who are specifically exempted there from.
7. CE / GGSSTP, Ropar reserves the right to refuse to issue of tender documents to any contractor/ firm without assigning any reason and also to reject any or all offers without assigning any reason and no claim on this account will be accepted.
8. Tenders received through telegraph, telex, fax, conditional tender or manually shall not be considered at all.
9. The contractor should have independent GST no. allotted and will submit a copy of the same.
10. Quotation/Tender should be enclosed in double covers both addressed to Dy CE/ Monitoring, GGSSTP, PO: Ghanauli, Distt. Ropar (PB) PIN-140113. Both inner & outer covers shall be sealed and super scribed with **Tender Enquiry No. as given on the enquiry/Tender Notice together with the date on which the tender opening is due and also the name of work.**
11. In case the date of opening of tenders happens to be a holiday, the tenders will be received and opened on the next working day at the same time and place.
12. In case of any dispute regarding issue of tender documents or any other dispute, C.E./ GGSSTP, Ropar shall be the final authority and no claim on this account shall be accepted.
13. The rates should be quoted as per reference performaat **Annexure C.**
14. Bid should be submitted in two parts.
- Part 1: Tender document fee & Earnest Money Deposit
- Part-II: Price bid.

  
Dy. Chief Engineer,  
Monitoring Circle, GGSSTP, P.S.P.C.L,  
P.O. Ghanauli, Ropar-140113

### Scope (Part-A)Section-I

#### Retubing Work of A/C Condenser

Transporting condenser shell to firm's works and back to GGSSTP after fitment of new condenser tubes.

Extraction of old tube bundle from condenser.

Cleaning of condenser with compressed air to remove foreign material/loose particles & repairing/painting of shell from inside/outside.

Replacement of damaged tubes and baffles (if any detected after Pressure test) subject to maximum 60 Nos.

**Note:** The firm will procure the tubes from the following firms (M/s Multimetals Kota, Industrial Tubes and metals (ITM) Kota/Mumbai or M/s Metal Alloy Corporation, Jamnagar) & will supply copy of related invoices, test certificates relating to its composition/ quality etc. If feel necessity PSPCL will further take random sample from the tube purchased and will get the same tested from any NABL Lab (as decided by engineer in charge).

Assembly of condenser shell and tube bundle and making the same leak proof by jointing of condenser and shell.

Hydro testing of shell at 400 psi pressure at firms premises. (In presence of Engineer In charge)

Complete loading, unloading & transportation (To & Fro)for the above job will be arranged by firm at its own cost. However facility of crane/Hydra at GGSSTP site will be provided by PSPCL, free of cost. Transit insurance shall be arranged by the firm.

All the T&P, consumables including replacement of gaskets, fasteners etc. wherever required, will be arranged by the firm.

Any other work not detailed above but required to complete the above job will be in the scope of the firm.

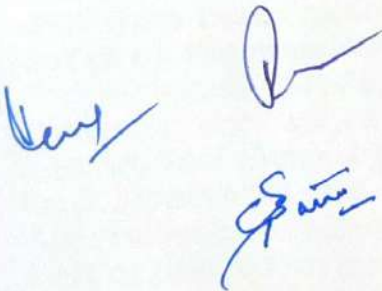
The old tubes/damaged baffles will be sent back by the firm along with newly assembled tubes/shell.

Firm will provided contract agreement on a Rs. 100/- stamp paper before lifting of material from GGSSTP.

### Technical Specification (Part-B)

1	Material of shell	Steel
2	Make of condenser	Bluestar
3	Model of condenser	CDS 2080
4	Condenser type	Shell and tube type
5	Material of Tube	Copper (finned) 19 fins per inch
6	Total Nos. of Tubes in bundle	252
7	No. of passes	2/3
8	Shell OD	1630 mm
9	Tube Length	2438 mm
10	Liquid outlet	65 mm
11	Vapor inlet	2 X 100 mm
12	Water inlet	125/100 mm(2P/3P)
13	Water outlet	125/100 mm(2P/3P)
14	Design pressure	21 kg/cm <sup>2</sup> shell side and 7 kg/cm <sup>2</sup> tube side
15	Test pressure	28 kg/cm <sup>2</sup> pneumatic on shell side and 10.6 kg/cm <sup>2</sup> hydraulic on tube side

**Note:** The above details are tentative & the firm may see actual tube bundle installed at site before quoting.



**PERFORMA FOR QUOTING RATES:**

Sr. no	Description	Qty. (Nos.)	Rate per tube	Amount
1.	Replacement of condenser tubes of central air conditioning plant as per technical specifications (Part-A & B)	Maximum 60 Nos. tubes		
2.	Handling charges which includes to & fro transportation, dismantlement and reassembly/sealing of tube bundle in condenser shell along with Pressure Test etc.	--	--	

Total Amount (In figures) = Rs.

Total Amount (In Words) = Rs.

(Signature of tenderer)

**NOTE:**

1. The tenderer may inspect the site before quoting the rates.
2. The rates quoted should be legibly written both in figures/ words & must be typed/printed/~~written in ink~~.
3. The quoted rates should be inclusive at all taxes & duties and exclusive of GST which will only be paid extra on submission of documentary proof.
4. The rates should be quoted FOR GGSSTP site.
5. The tender evaluation will be done on the basis of overall total amount (Sr. No. 1 + 2).
6. **The tenderer will evaluate the percentage cost of material as well as labour cost from there quoted rates will clearly specify regarding prevalent taxes & duties on the material as well as on labour.**
7. Firm will supply HSN Code of both material and labour charges.
8. Payment to firm will be made on the basis of actual number of tubes replaced after Pressure Test (Subject to maximum of 60 Nos. tubes) along with payment as per Sr. No. 2. However in case more than 60 tubes are found damaged during Pressure Test in that case no tube replacement work will be carried out and payment only as per Sr. No. 2 will be paid to firm & no charges on account of Sr. No. 1 will be paid.

*[Handwritten signatures]*

**GENERAL TERMS AND CONDITIONS**

**1. RATES:-**

Rate should be firm & exclusive of all taxes & duties and GST which will be paid extra on submission of documentary proof. These should be quoted FOR GGSSTP, Ropar & should be given in both figures and words. Corrections, cuttings etc. should be legibly signed or avoided. The quotation not having FOR destination rates is liable to be rejected.

**2. VALIDITY:-**

Tender must be valid for a period of at least 120 days from the date of opening of tenders.

**3. PAYMENT:-**

100% payment will be made within 15 days from the date of completion of each job after its testing & inspection by Engineer-in-charge of job.

**4. INCOMETAX:-**

Income tax will be deducted as applicable from the contractor's bill.

**5. EARNEST MONEY:-**

- i) The tenderers shall be required to submit earnest money @2% of the tender value rounded off to a multiple of Rs.10 on higher side subject to a minimum of Rs.5000/- in the form of PSPCL cash receipt or Bank draft drawn in favour of AO/O&M, GGSSTP, Ropar (Payable at Ropar) along with the tender.
- ii) Public Sector undertakings fully owned by the Punjab Govt. / Central Govt. / Other State Govt. shall be exempted from deposition of earnest money, provided that a certificate of Government ownership shall be submitted in the envelope for earnest money.
- iii) Earnest money shall be forfeited in case of withdrawal / modification of NIT/ Tender specification after opening of tender.
- iv) In case of successful tenderers, Earnest money shall be converted as Security Deposit.
- v) The Earnest money shall be refunded to the unsuccessful tenderers within 30 days of the award of order / Contract (LOI).
- vi) Tenders received without earnest money shall be rejected.

**6. SECURITY DEPOSIT:**

- i) The earnest money deposited at the time of tender submission shall be converted into security deposit and balance will be deducted from the bill to make the 5 % of the gross value of work done.
- ii) No interest shall be payable to the firm on the amount of earnest money or security deposit.
- iii) The security deposit by the firm shall be refunded on the faithful execution of work order in all respect after completion of warranty period of 06 months from the date of receipt of material at site.
- iv) In the event of default on the firm in the faithful execution of work order, the security deposit shall be forfeited. The forfeiture of security deposit shall be without prejudice to any other right arising or accruing to the PSPCL under relevant provisions of the work order like penalty for delay in reporting for work including suspension of business dealings with Board for a specific period.

**7. COMMENCEMENT & COMPLETION OF WORK:**

The firm shall lift and return the material to GGSSTP Rupnagar after necessary repair work within 03 months from the award of Work Order. Firm will supply contract agreement for the same before lifting of material from GGSSTP. The transportation charges shall be in the scope of the firm.

**8. INSPECTION AND TEST**

The Board shall inspect and test the equipment/ material by representative of this office at site or at the firm's premises during or after the completion of work. The firm shall provide all facilities as may be required to carry out the tests free of cost.

**9. WARRANTY:**

The replaced tubes should be warranted for 06 months of satisfactory performance & during this warranty period if any leakage occurs in replaced tubes it shall be rectified by the firm free of cost failing which the security of firm shall be forfeited.



**10. PENALTY:**

On failure of delivery of material within stipulated period the firm shall pay penalty @ 0.5% (half of one percent) of cost of work per week subjected to the maximum of 10%.

**11. SAFETY OF WORKMEN/ EQUIPMENT**

- a) The Contractor shall take all necessary precautions to ensure safety of workmen at/the site of work. He will provide all the required safety equipment to the workmen during the progress of the work and if any unforeseen happens for the lack of these, the contractor shall be fully responsible for the same.
- b) The Contractor will have to follow the Industrial factory & Elect. Safety Rules during the execution of work, to avoid any accident and damage to Life/Equipment.

**12. STATUTORY OBLIGATIONS:**

The firm shall comply with the statutory obligation towards its labour/ workers and absolve PSPCL on this account. The firm shall abide by the laws/ rules of central/state Govt, statutory bodies/agencies etc.

**13. EXTENSION IN COMPLETION PERIOD:-**

- i If the contractor shall desire an extension of the time limit for completion of the work on ground of his having been unavoidably hindered in execution or of any other ground, He shall apply in writing to the Engineer-In-charge and the Engineer In-charge may if in his opinion there are reasonable ground for granting extension, allow such extension as he thinks necessary or proper. The decision of the CE/GGSSTP shall be final and binding.
- ii For any delay in work on account of act of omission or commission at the part: of PSPCL viz. delay in issue of material, alteration, omission, additions, substitutions in original specifications, drawings, design etc. only extension of time will be agreed for the period so lost and no compensation would be given on this account.

**14. FORCE MAJEURE:-**

During the pendency of the contract/work order, if the performance in whole/part by either party or any obligation there-under, is prevented/delayed by causes arising out of any war, hostilities, civil commotion acts of the public enemy, sabotage, fire floods, explosion epidemics/instruction of Central/State Govt. Regulations, strikes, look-outs embargo, acts of civil/military authorities or any other causes beyond their reasonable control, neither of the two parties shall be made liable for losses/damages due to delay of failure to perform the contract during the currency of force majeure conditions, provided that the happening is occurrence notified in writing with documentary proof within 30 days from the date of occurrence. The supplies shall be resumed under the contract as soon as practicable after the happening (event) ceases to exist.

**15. CHANGES:-**

No variation or modification or waiver of any of the terms & provisions shall be deemed valid unless mutually agreed upon in writing by both the purchaser & the supplier.

**16. RAW MATREIAL:-**

The raw material to be used in manufacturer of the goods/equipment's to be supplied against the work order/contractor shall be of the best quality as per scope of work/supply. The supplier/contractor shall be solely reasonable for the procurement of raw material required for the purpose.

Dy Chief Engineer,  
Monitoring Circle,  
GGSSTP, Rupnagar.