



PUNJAB STATE POWER CORPORATION LIMITED

(Regd. Office : PSEB Head Office, The Mall, Patiala – 147001
Corporate identity Number U40109PB2010SGC033813 Website: www.pspcl.in

Open Tender Enquiry No. 229 /P-3/MA/EMP-W 11626 dt. 20.08.19

Scope of Work: Rubber lining of tanks, pipes and pipe fitting in water treatment plant stage- II& III at GGSSTP, Rupnagar

Time period: As per NIT.

EMD: @2% of quoted rates. (Minimum Rs 5000/- and maximum Rs 10 Lac)

Last date & time for sale of tender document: 27-09-19 & 3.00 PM

Date and time for apply for registration : 23-09-19 & 5.00 PM

Date & time up to which tender shall be received: 01-10-19 & 11:00 AM

Date & time of opening of tender: 01-10-19 & 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 periodically even after purchasing the tender documents to check for corrigendum issued, if any. No corrigendum shall be published in newspaper

21/9/19
DY. CE/Monitoring,
o/c GGSSTP, Rupnagar,
A. G. Singh

Save Electricity for Prosperity of Nation.

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 jobs as per tender specifications:

Rubber lining of tanks, pipes and pipe fitting in water treatment plant stage- II& III at GGSSTP, Rupnagar.

Enquiry No: 229 Dated : 20-8-19

Last date & time of sale of tender documents	:	Upto 15.00Hrs. on 27-9-19
Last date & time of receipt of tenders	:	Up to 11.00 Hrs. on 01-10-19
Date & time of opening of tenders	:	at 11.30 Hrs. on 01-10-19
Cost of tender specifications	:	Rs. 500/-(each) + 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 :**
 - A) Tender of only those technically suitable firms/contractors will be considered who have **valid registration with GGSSTP/GHTP for the jobs of "Rubber lining works of tanks, pipes and fitting etc."** and having experience of contract.
 - B) The firm should have experience of contract for the jobs of **"Rubber lining works of tanks, pipes and fitting etc."** and having experience of contract during last 7 year ending 31.07.19 either of following:-
 - a) Three same work costing not less than Rs.0.74 lacs each OR
 - b) Two same works costing not less than Rs. 0.98 lacs each OR
 - c) One same works costing not less than Rs. 1.49 lacs each
 - C) Average annual financial turn over during the last three year, ending March of the previous financial year, should be at least **Rs. 1.49 Lacs.**
 - D) Bank Solvency: Latest bank solvency certificate of minimum **Rs. 2.98 Lacs.** Bank solvency certificate should not be more than 12 months old.
- 3) **Pre Qualification Requirement for registration:**
 - A) The firm should have experience of contract for the jobs of **"Rubber lining works of tanks, pipes and fitting etc."** and having experience of contract during last 7 year ending 31.07.19 either of following:-
 - a) Three same work costing not less than Rs.0.74 lacs each OR
 - b) Two same works costing not less than Rs. 0.98 lacs each OR
 - c) One same works costing not less than Rs. 1.49lacs each.
 - B) Average annual financial turn over during the last three year, ending March of the previous financial year, should be at least **Rs. 1.49 Lacs.**
 - C) Bank Solvency: Latest bank solvency certificate of minimum **Rs. 2.98 Lacs.** Bank solvency certificate should not be more than 12 months old.
- 4) For Registration:-

Name & address of office for Registration of firms
Dy.Chief Engineer/Mech. Mtc. Circle-I,
GGSSTP, PO-Ghanauli-140113 Rupnagar (Punjab).
Phone: 01881-274245, Fax: 01881-27432


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.

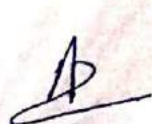

- i) Copies of work orders and completion certificates for experience as per PQR.
- ii) Copies of Audited balance sheets over during the last three financial years, ending 31st March of previous financial year.
- iii) Bank solvency of minimum **Rs. 2.98 Lacs**. Bank solvency certificate should not be more than 12 months old.
- iv) Proof of PAN and Proof of service tax registration number.
- v) Proof of independent EPF account number.
- vi) 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.
- vii) Proof of having ESI Code number.
- viii) An Affidavit in original dully attested by an Executive Magistrate/Notary to the effect that
 - a) 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.
 - b) 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 Chief Engineer/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. The tender is for 02 years with firm rates.
8. 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.
9. Tenders received through telegraph, telex, fax, conditional tender or manually shall not be considered at all.
10. The contractor should have independent GST no. allotted and will submit a copy of the same.
11. Quotation/Tender should be enclosed in double covers both addressed to Dy CE/ Mech. Mtc. Circle-I, 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.
12. 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.
13. 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.
14. The rates should be quoted as per reference performaat ~~Section-III~~ *Annexure-C*
15. 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
20.8.19

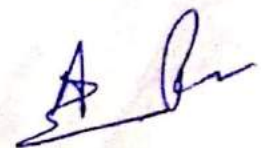
 

Scope of Work

1. Preparation of surface by sand blasting/burning/chipping and rubber lining in straight MS pipes, tees, bends, flanges, reducers, acid/alkali storage tanks, measuring tanks, pressure vessels and other chemical tanks of different sizes with rubber lining as per IS:4682 Part-I.
2. In case of straight pipes, bends, tees, reducers wherever it is not possible to get these rubber lined at site, these will be transported by the firm to their works at their own cost.
3. The compressed air for sandblasting and steam for vulcanizing will be provided by PSPCL at any one available point near to the place of work. The firm will arrange the pipe for air/steam from this point upto the place of work.
4. The rubber sheets and other consumables required for rubber lining will be arranged by the firm
5. The firm will arrange all the T&P required for surface preparation and rubber lining work.
6. The firm will arrange for spark testing to check continuity of rubber lining as per IS: 4682 Part-I.
7. The firm will arrange for hardness testing of rubber lining as per tender specifications.
8. The PSPCL will provide electricity, drinking water, site storage facilities and crane for shifting of tank if required, free of cost.
9. If any metal rectification is required on the items to be rubber lined the same shall be carried out by PSPCL.

Technical Specification (Part-A)

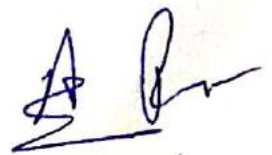
1. The Water Treatment Plant is equipped with various sizes of rubber lined Acid/ Alkali storage tanks, measuring tanks, pressure vessels and other chemical tanks with valves, pipes, bends, tees & reducers. The details of tanks are as under:
 - i. Acid storage tanks. 8 Nos.
 - ii. Alkali storage tanks. 4 Nos.
 - iii. Cation Exchangers 7 Nos.
 - iv. Anion Exchangers 7 Nos.
 - v. Mixed Bed Exchangers 7 Nos.
 - vi. Degassed towers. 7 Nos.
 - vii. Degassed water storage tanks. 7 Nos.
 - viii. Acid measuring tanks. 9 Nos.
 - ix. Alkali measuring tanks. 7 Nos.
 - x. Chemical tanks. 23 Nos.
 - xi. Alkali Preparation tanks. 4 Nos.
2. Size of pipe and fittings varies from 20 mm to 250 mm.
3. The thickness of rubber lining will be 5 mm (2.5 mm x 2 layers) in case of tanks and 3 mm in case of pipe lines and fittings.
4. The hardness of rubber lining shall be $65 \pm 5^{\circ}$ shore 'A'.
5. The measurement of reducers will be taken as per running meter of lower size pipe diameter.
6. The rubber is to be used for lining shall be natural rubber.



Technical Specification (Part-B)**Details of Rubber lining work proposed to be carried out.**

Sr. no	Description	Unit	Qty.
1.	Rubber lining of Tanks/ pressure vessels, completely or partly as per IS:4682 Part-I with 5 mm thick natural rubber (2.5 mm x 2 layers) including removal of old damaged rubber lining and preparation of surface.	M ²	80
2	Rubber lining of MS pipes without flange of following size as per IS: 4682 Part-I with 3 mm thick natural rubber including removal of old damaged rubber lining and preparation of surface.		
i.	Below 40 mm	Mtr.	12
ii.	40 mm	Mtr.	10
iii.	50 mm	Mtr.	10
iv.	65 mm	Mtr.	10
v.	80 mm	Mtr.	10
vi.	100 mm	Mtr.	12
vii.	125 mm	Mtr.	8
viii.	150 mm	Mtr.	8
ix.	200 mm & above.	Mtr.	5
3.	Rubber lining of MS flanges of following sizes as per IS:4682 Part-I with 3 mm thick natural rubber including removal of old damaged rubber lining and preparation of surface.		
i.	Below 40 mm	Nos.	20
ii.	40 mm	Nos.	12
iii.	50 mm	Nos.	12
iv.	65 mm	Nos.	5
v.	80 mm	Nos.	12
vi.	100 mm	Nos.	15
vii.	125 mm	Nos.	10
viii.	150 mm	Nos.	15
ix.	200 mm & above.	Nos.	5

NOTE: The quantum of work may be decreased to any extent but will not increase from the quantity mentioned above. Minimum Rs. 10,000/- will be paid per visit for execution of work from 1M² to 4M²



PERFORMA FOR QUOTING RATES:

Sr. no	Description	Unit	Qty.	Rate	Amount
1.	Rubber lining of Tanks/ pressure vessels, completely or partly as per IS:4682 Part-I with 5 mm thick natural rubber (2.5 mm x 2 layers) including removal of old damaged rubber lining and preparation of surface.	M ²	80		
2	Rubber lining of MS pipes without flange of following size as per IS: 4682 Part-I with 3 mm thick natural rubber including removal of old damaged rubber lining and preparation of surface.				
i.	Below 40 mm				
ii.	40 mm	Mtr.	12		
iii.	50 mm	Mtr.	10		
iv.	65 mm	Mtr.	10		
v.	80 mm	Mtr.	10		
vi.	100 mm	Mtr.	10		
vii.	125 mm	Mtr.	12		
viii.	150 mm	Mtr.	8		
ix.	200 mm & above.	Mtr.	8		
		Mtr.	5		
3.	Rubber lining of MS flanges of following sizes as per IS:4682 Part-I with 3 mm thick natural rubber including removal of old damaged rubber lining and preparation of surface.				
i.	Below 40 mm				
ii.	40 mm	Nos.	20		
iii.	50 mm	Nos.	12		
iv.	65 mm	Nos.	12		
v.	80 mm	Nos.	5		
vi.	100 mm	Nos.	12		
vii.	125 mm	Nos.	15		
viii.	150 mm	Nos.	10		
ix.	200 mm & above.	Nos.	15		
		Nos.	5		

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.
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.**

GENERAL TERMS AND CONDITIONS**Annexure-D****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. The quantity of job will be as per re-lining of the damaged rubber from the vessels/tanks/pipe and pipe fitting.

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 (Two years period) in all respect after completion of warranty period of one year from the job done or defect liability whichever is later.
- 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. DURATION OF WORK Order:

The duration of work order is two years from the date of issue of the work order.

8. COMMENCEMENT & COMPLETION OF WORK:

The firm shall report to the Engineer-in-charge as and when required within 2 days of receipt of information regarding commencement of work. The work has to be completed within the reasonable time as decided by Engineer Incharge. For jobs to be carried out at firm's works the repaired/ rubber lined material shall be delivered to PSPCL after completion of work within 45 days of intimation for collection of the material to be rubber lined. The transportation charges shall be in the scope of the firm. In case the firm fails to report at site in time or does not execute the job assigned to it, PSPCL shall have the discretion to get the job executed from some other agency at the risk and cost of the firm.



9. **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.

10. **WARRANTY:**

The rubber lining should be guaranteed for one year of satisfactory performance & during this guaranteed period of one year if any leakage occurs it shall be rectified by the firm free of cost failing which the security of firm shall be forfeited.

11. **PENALTY:**

The firm shall be charged penalty @ Rs.200/- per day or part thereof for each day of delay in reporting at site and Rs.500/- per day for undue delay in completion of work as decided by Engineer Incharge. Penalty shall be adjusted against the running bills/ security deposit. On failure of delivery of material after completion of work within 45 days in case of the work to be carried out at the firms premises the firm shall be liable to pay penalty @ 0.5% (half of one percent) of cost of work per week subjected to the maximum of 10%.

12. **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. If norms are not met, a penalty of Rs. 250/- shall be imposed on each safety equipment.
- 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.

13. **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, especially deposit of EPF (both employee and employer share) with concerned RPF, compensation to the workmen under workmen's compensation act & also will have to follow the provisions of ESI act and will submit proof of deposit of ESI contribution. The contractor/firm shall take ESI insurance Number for all the workman. The workers will be issued Gate Pass only if they are being provided with the ESI insurance Number. The firm shall be bound to give notice required by statute, Regulations or Bye-laws as aforesaid and pay all fees & taxes payable to any authority in respect thereof.

14. **SITE FACILITIES (FREE OF COST)**

- i) Storage facilities to store items required for completion the job at GGSSTP site.
- ii) Water, Compressed air & Electricity for use at site.
- iii) Accommodation if available shall be provided on chargeable basis.

15. **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 Engineer In-charge 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.

16. **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.

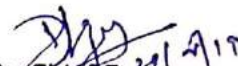
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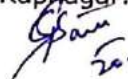
17. CHANGES:-

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.

18. RAW MATREIAL:-

The raw material to be used in manufacturer of the goods/equipments to be supplied against the work order/contractor shall be of the best quality of its kind obtainable in the market. The supplier/contractor shall be solely reasonable for the procurement of raw material required for the purpose.


Dy. Chief Engineer,
Monitoring Circle,
GGSSTP, Rupnagar.


20.8.19

