

**Tender
Documents
For
Procurement of UPS 20KVA**



**PUNJAB ALKALIES &
CHEMICALS LIMITED**

**SCO 125-127, SECTOR 17-B,
CHANDIGARH – 160 017**

Email: mpsrana@punjabalkalies.com

TENDER DATE: 28.11.2018

CLOSING DATE: 12/12/2018 UPTO 17.00 HRS. 2018

1. Brief Profile

PUNJAB ALKALIES & CHEMICALS LIMITED ("PACL" or "the Company") is a Public Limited Company formed under the Companies Act, 1956. It was promoted by the Punjab State Industrial Development Corporation Limited (PSIDC), a wholly owned Punjab Government Company. The Company's registered office is located at Chandigarh.

PACL is one of the largest manufacturer of caustic soda (NaOH) in the Northern part of India with an installed capacity of 99000 Tons Per Annum (TPA). The Company is engaged in the manufacture and sale of Caustic Soda (Lye & Flakes), Liquid Chlorine, Hydrochloric Acid, Sodium Hypochlorite and Hydrogen Gas. The Company's plant is located at Naya Nangal, District Ropar, Punjab.

PACL has two manufacturing units viz. Unit-I & II, both located at Nangal-Una Road, Naya Nangal, District, Ropar, Punjab. Both the Units are engaged in manufacture of Caustic Soda, Liquid Chlorine, Hydrochloric Acid and other products such as Sodium Hypochlorite and Hydrogen. Unit -I & II have a capacity of 100 TPD and 200 TPD respectively. PACL has decided to expand the capacity of its Unit-II Plant from existing 200 TPD to 350 TPD and also upgrade the cell house from Generation-3 to Generation-6 elements.

2. General Instructions

Punjab Alkalies & Chemicals Limited invites bids for procurement of UPS 20 KVA as per specification mentioned below to be installed in PACL's Caustic Soda Membrane Cells Technology Plant as set forth in the accompanying tender documents.

Punjab Alkalies & Chemicals Limited, hereinafter called "PACL/Purchaser" will receive bids for procurement of Brine Polishing Filter with Internals as per specification enclosed to be installed in PACL's Caustic Soda Membrane Cells Technology Plant as set forth in the accompanying tender documents. All bids shall be prepared and submitted with these instructions.

Bids received after due date and time for receipt of bids, as set out in the tender documents, are liable to be rejected.

PACL reserve the right to itself to accept any bid or reject any bid or all bids or cancel/withdraw "Tender Notice" at any time without assigning any

reason for such decision. Such decision by PACL shall not be subject to question by any bidder and PACL shall not bear any liability of any kind whatsoever, consequent upon such a decision.

All the costs and expenses incurred by bidder for preparation of bids, technical/commercial discussions if any, in the PACL's office shall be to the account of bidders and PACL shall not bear any liability whatsoever of such costs and expenses.

3. Scope of Supply.

UPS 20 KVA (EXP)--- ONE NO
REDUNDANT (1+1) , TYPE : FULL WAVE CONTROLLED 3-
PHASE BRIDGE TYPE
INPUT : 415V AC +10,-15% 3-PHASE 4 WIRE 50HZ +-3%
OUTPUT : 240V DC(NOMINAL) ,RIPPLE ON DC : <2%
INVERTER -
OUTPUT: 110V AC (+/-1%) 01 PHASE , OUTPUT FREQUENCY :
50 HZ +-1% , OUTPUT POWER : 10KVA
LOAD POWER FACTOR : 0.8 TO UNITY, DUTY: CONTINUOUS
PRINCIPLE OF OPERATION : IGBT BASED PWM WITH
INSTANTANEOUS SINE WAVE
CONTROL
TRANSIENT RESPONSE : FOR 0 TO 100% STEP LOAD
CHANGE OUTPUT SHALL REMAIN WITHIN +-5% & RECOVERS
TO NOMINAL WITHIN 05 MSEC.
INVERTER EFFICIENCY : BETTER THAN 92.
OVERLOAD RATING : A)125% OF RATED FOR 15 MINUTES
B) 150% OF RATED FOR 02 MINUTES
OUTPUT WAVEFORM : SINE WAVE WITH TOTAL HARMONICS
DISTORTION LESS THAN 03%(FOR LINEAR LOAD)
INDICATION &METERING : FOR ALL INDICATIONS &
METERING
PROTECTIONS : RECTIFIER :--
1)INPUT SINGLE PHASING, 2) RECTIFIER OVER
VOLTAGE/OVER CURRENT, 3)RECTIFIER OVER TEMPRATURE
4) INPUT MCCB ,5) BATTERY MCCB,6) BATTERY CHARGING
CURRENT LIMIT
INVERTER :
1)BATTERY LOW ,2) OUTPUT OVERLOAD ,3) OUTPUT SHORT
CIRCUIT, 4) INVERTER OVER TEMPRATURE ,5) OUPUT OVER
VOLTAGE/UNDERVOLTAGE
BY PASS STATIC SWITCH SYNCHRONISATION: +-2 HZ
LOAD TRANSFER : INVERTER TO BY PASS - SYNC. MODE
<5M SEC NO SYNC. MODE <25 MSEC, : BY PASS TO
INVERTER - SYNC.MODE< 5MSEC. NO SYNC. MODE - NOT

APPLICABLE

ENVIRONMENT : AMBIENT TEMPRATURE - OPERATING- 0 DEGREE TO 45 DEGREE C . STORAGE TEMRATURE - -10 TO 70 DEGREE C . HUMIDITY - UPTO 95% RH (NONCONDENSING)
NOISE LEVEL: <65DB AT 1.5 MTRS.

ENCLOSURE (DEGREE OF PROTECTION) - IP41

COOLING - FORCED AIR,
INCLUDING STATIC SWITCH CHANGE OVER FROM ONE TO OTHER UPS WITHOUT ANT INTERRUPTION.

BACK UP REQUIRED MINIMUM 30 MINUTES HOWEVER BATTERIES WILL BE PROVIDED BY PACL.

INSTALLTION TO BE DONE BY THE SUPPLIER.

4. Time period for supply.

Time is the essence to complete the supply. The supplier shall clearly specify the time period to supply of the Complete Unit as specified in the enclosed specification.

The supplier quoting lesser period shall be given preference.

5. Qualifying requirements of bidders.

The bidder should be a firm or a company or a manufacturing company or a consortium of firms /companies who alone or as a joint venture have supplied similar type of equipment for Caustic Chlor Plant in India. In addition to the above, bidder shall provide satisfactory proof concerning the following that he or his consortium members:

- a. Has adequate financial stability and status to meet the financial obligations pursuant to the work covered under in the Tender Document.
- b. Has adequate capacity and capability to complete the supply the equipment properly and expeditiously within the time period specified.
- c. Has established quality assurance system.

All the bidders are also requested to confirm the following points:

1. Are they UHDE approved Manufacturers?
2. List of Industries in India where the bidder has supplied the similar type of equipment.

The above stated requirements are minimum. However, PACL reserve the right to ask for any additional information and also reserves the right to reject the proposal of any bidder, if in the opinion of PACL, the qualification date provided by the bidder is not complete/ satisfying or the bidder is not qualified.

Notwithstanding anything stated above, PACL reserves the right to assess bidder's capability and capacity to perform the work and may relax the qualifying requirement in overall interest of PACL.

6. Submission of Bids:

The bid document is available online on our website (www.punjabalkalies.com) which can be downloaded by the interested bidders.

Bids shall be received at PACL, Chandigarh Office in the following manner:

The bid shall be submitted in two parts in two separate sealed Envelopes name as below:

Envelope–1: Shall contain Technical Bid complete in all respect including qualifying data for qualifying works, Technical proposal and Bid guarantee and commercial terms and conditions with caption **"Technical Bid"**

Envelope–2: Shall contain Price Bid and marked **"Price Bid"**

Both the Envelopes 1 & 2 should be put in the third envelope with caption **"separate sealed Envelopes of Technical Bid" and Price BID"**

The outside of the all the envelopes should also indicate clearly the name of bidder and address.

The bid document complete in all respects should reach in the office of PACL at the address given below before the closing time for submission of bids to the following address on or before the last date of submission:

EXECUTIVE DIRECTOR (MATERIALS &PROJECTS)
PUNJAB ALKALIES & CHEMICALS LIMITED
SCO 125-127, SECTOR 17-B,
CHANDIGARH – 160 017

Both Part I and Part II of the tender will not be opened in the presence of the bidders.

The bidders have the option of sending the bid by courier/ registered post or submitting the bid in person, so as to ensure that the bids are received in the specified office of the purchaser, by the date and time indicated in the tender documents. Bids submitted by Fax/ telegram will not be accepted.

If any Bidder needs any clarification/additional information in respect of this Tender, then the same shall be submitted in writing/fax/email to the personnel of PACL mentioned above. The envelopes/ communication shall clearly bear the following identification/ title "Request for Clarification/ Additional Information required for submitting tender. The requests for clarification should be sent before the date specified in the time schedule given in this Tender. PACL shall not respond to any request for clarification received beyond the date so specified. The bidder requiring any clarification on the Tender RFP document may notify PACL in writing, either by post or email, at the following address:

EXECUTIVE DIRECTOR (MATERIALS &PROJS)
PUNJAB ALKALIES & CHEMICALS LIMITED
SCO 125-127, SECTOR 17-B,
CHANDIGARH – 160 017

Email: mpsrana@punjabalkalies.com

Telephone: 0172 – 4072566/4072567

The Bid and all related correspondence and documents should be written in the English language. Supporting documents and printed literature furnished by Bidder with the Bid should also be written in English language only. The original Bid and the supporting materials, which are not written in English, will not be considered by PACL.

7. Last date for Submission of Bid.

Bidders should submit their bid upto 17.00 hours IST on the 12th Dec.,2018 at the specified address in the manner as mentioned in the tender documents.

8. Payment terms/taxes/ Guarantee

-The payment terms are clearly defined in the offer. We prefer 90% payment in 30 days of receipt of material and balance 10% on submission of PBG valid for guarantee period.

- All applicable taxes and price basis be clearly mentioned in the offer.

- all material supplied should have minimum guarantee for a period of 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier.

9. Liquidated damages.

In case of any delay beyond the contractual delivery period, Liquidated damages at the rate of 0.5% per week up to maximum of 5% of the order value shall be applicable on the total value of the Purchase order.

10. Validity of Bid.

Bid shall be valid for a period of 90 days from the last date of submission of bid. In exceptional circumstances, PACL may request Bidders to extend the Validity Period of the bid for a specified additional period, which shall not exceed 180 days. The request and the response thereto shall be made in writing by post or email.

11. ARBITRATION

In all cases of dispute or disagreement between the parties hereto as to any matter arising out of or relating to this Purchase Order/Work Order whether such dispute or disagreement shall arise during the continuance of this Purchase Order/Work Order regarding interpretation of this Purchase Order/Work Order or any clause or clauses thereof or upon or after the termination hereof and provided no understanding between the parties can be reached for the settlement of the difference such dispute or difference shall be referred to the sole arbitration of the Managing Director of Punjab Alkalies & Chemicals Limited or any other officer appointed by him on his behalf, in accordance with the provisions of Arbitration and Conciliation Act 1996 or any Statutory modifications or substitute thereof and all the provisions of that Act, so far as are applicable or of any of them for the time being in force shall apply to every reference hereunder.

The award given by such Arbitrator shall be final, conclusive and binding

upon the parties to this Purchase Order/Work Order. The Arbitrator may from time to time, with the consent of parties, enlarge the time for making or publishing the award. The arbitration proceedings shall be held at Chandigarh.

Notwithstanding any pending reference to arbitration both parties shall proceed with the execution of their commitments, under the Work Order until the arbitration award is known unless the question of such continuance is a subject matter of such proceedings.

12 LAW & ITS JURISDICTION.

You shall be governed by the laws of Government of India in force from time to time and shall be deemed to have been concluded in the Union Territory of Chandigarh. All suits and proceedings shall be subject to jurisdiction of the courts at Chandigarh only.

13 JURISDICTION.

All disputes whatsoever that may arise between parties out or in connection with this contract shall always be deemed to have arisen in Chandigarh and only Chandigarh Court will have jurisdiction to entertain them.

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