

**Tender  
Documents  
For**

**Hiring Services of consultant for Environmental Impact Assessment Studies and assistance in Obtaining Environmental Clearance for increase in existing capacity from 99000 TPA to 198000 TPA of Caustic Soda Lye & for 75 MW COAL/Rice Husk BASED captive power plant at Nangal-Una Road, Naya Nangal**

Email: [mpsrana@punjabalkalies.com](mailto:mpsrana@punjabalkalies.com)



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**PUNJAB ALKALIES & CHEMICALS  
LIMITED**

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

0172-4072566

### **1.1 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 manufacturers 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. Both these units are co-located at the same site, Unit – I & II are spread over an area of Approximately 88.86 acres.

### **1.2 General Instructions:**

Punjab Alkalies & Chemicals Limited invites bids for hiring the services of a Consultant for Obtaining Environmental Clearance for enhancement of capacity from 99000 TPA to 198000 TPA & setup of 75 MW Coal based/Rice Husk Captive Power Plant (CPP) at Nangal-Una Road, Naya Nangal (Punjab ).

Punjab Alkalies & Chemicals Ltd., hereinafter called “PACL” will receive bids for hiring the services of a Consultant for Obtaining Environmental Clearance for enhancement of capacity from 99000 TPA to 198000 TPA & setup of 75 MW Coal/Rice Husk based Captive Power Plant (CPP) at Nangal-Una Road, Naya Nangal (Punjab ).

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

PACL reserves 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.

### 1.3 Scope of Work ( Project Details ) :

Punjab Alkalies & Chemicals Limited invite tender for obtaining environmental clearance for their following project:

Products	Caustic Soda, Chlorine,HydrochloricAcid,Hydrogen
Licensed Capacity	99000
Installed Capacity	99000
Requirement of revised Licensed capacity	198000
Proposed Power plant	To setup a 75 MW Coal /Rice Husk based Captive Power Plant (CPP) at Nangal Una Road,Naya Nangal
Falling In notified Industrial Area	NO
Straight line distance from Himachal Border	Less than 5 kilometers

### 1.4 Project Location :

Punjab Alkalies & Chemicals Limited, Nangal- Una Road,Naya Nangal

### 1.5 Qualification Criteria

1. NABET Accreditation in Sector 4(d) Chlor – Alkali Industries
2. Minimum 10 years organization experience in carrying out Environmental Impact Assessment Studies and assist client in getting Environmental Clearance.
3. EIA to be successfully completed and obtained Environmental Clearance for Chlor – Alkali Industries
4. Preferably Experience in Punjab to carry out EIA studies and assist clients in obtaining Environmental Clearance

All the bidders are also requested to mention the list of Industries in India where the bidder has provided the similar services.

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 data 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.

### 1.6 Extent of Services

1. Discuss and collect all necessary data and prepare the application in Form 1 with pre-feasibility report and desired annexures
2. Submit the application online and in hardcopies to SEAC, as per requirement
3. Propose TOR for EIA Studies and submit them to the authority for consideration.
4. One season site-specific applicable Environmental baseline data excluding monsoon season (Qualitative and Quantitative) to be collected w.r.t. different components of environment viz. air, noise, water, land, and biology and socio-economic
5. Collect and assimilate the secondary data, as required, from authentic and acceptable sources

6. Shall make presentation and discussions on the proposed project and related issues as well as the proposed TOR with SEAC (if necessary)
7. Predict Environmental impact on air, noise, water, land, biological and socio-economic environment with suitable tools specifically of the following :
  - impacts due to transportation of raw materials and end products on the surrounding environment
  - impacts due to emissions from process on air
  - impacts due to wastewater from process on surface water, soil and ground water
  - impacts due to generation of solid/hazardous waste during brine preparation and process
  - impacts due to Odour pollution
  - impacts due to noise
  - impacts due to fugitive emissions
  - impacts on health of workers due to proposed project activities
8. Identify their significance and suggest required mitigation measures
9. Carry out Quantitative Risk Assessment (QRA) to determine risk posed to people who work inside or live near the facilities to aid in preparing effective emergency response plans to handle onsite and offsite emergencies.
10. Submit the softcopy of the EIA draft in an organized form so that the issues, their impact and environmental management strategies emerge clearly from it
11. Once finalized, submit 7 hard copies and a soft copy of the final EIA report with signatures
12. Prepare a well-organized power point presentation of the final EIA report and present before the expert committee for Appraisal
13. Follow-up for SEAC recommendation and getting the final EC from SEIAA
14. To get the public hearing conducted and to present the concept in public hearing and to answer queries and to get clearance from state.

### **1.7 Scope of Work**

The EIA preparation should include the following:

1. Visits to the site by MOEF approved Functional Area Experts (FAE's) in:
  - a. Air Pollution Monitoring, Prevention and Control
  - b. Water Pollution
  - c. Solid / Hazardous Waste Management
  - d. Land use
  - e. Meteorology, Air Quality Modeling and Prediction
  - f. Ecology (Terrestrial and Aquatic / Marine)
  - g. Risk Assessment and Hazard Management
  - h. Geology / Hydrogeology, and
  - i. Socio-economics
2. Compilation of an action plan, with responsibility and deadlines to convey the requirements of the TOR into a relevant report format, by the individual FAEs
3. Collection of field data as well as secondary data as required by the TOR document, by the individual FAEs
4. Establishment of baseline environmental status / condition on physical, biological & social environment in the study area through:
  - a. Collection, review & analysis of available secondary data /literature / information; and
  - b. Generation of primary data through field study, survey and monitoring in the study area;
  - c. Study the project activities in terms of construction and operational stages to identify the potential sources/causes of impacts;

- d. Identification & assessment of potential impacts on the environment during construction and operational stages of the project;
  - e. Recommendations on preventive, control & mitigation measures to eliminate / minimize the adverse impacts; and
5. Formulation of an effective Environmental Management Plan (EMP) to ensure the compliance to the concurrent environmental legislations
  6. Analysis and commentary on the data, and filing of sub-reports by individual FAEs  
Compilation of the report by the EIA Sector Co-ordinator into an acceptable EIA / EMP & RA / DMP report
  7. To get the public hearing conducted and to present the concept in public hearing and to answer queries and to get clearance from state.
  8. Preparation of pre feasibility report.

### **1.8 Documentation & Deliverables**

The following to be provided to PACL during the project duration.

1. EC Application Form I
2. EIA/EMP and RA/DMP reports: Total 01 draft EIA copies and 01 final EIA copies in soft and PDF hard form of reports to submit to PACL;
3. One soft copy and 01 hard copy of executive summary to be submitted to PACL.
4. Pre feasibility report , all Related documents & Presentations.

### **1.9 Submission of Bids**

The bid document is available online on our website <https://etender.procuretiger.com> which can be downloaded by the interested bidders.

All the bidders shall quote price for providing consultancy services as per the scope of work mentioned in this tender document.

*To access PACL e-Tender, interested bidder need to have a Class-II/III Digital Signature Certificate (DSC) for Signing & Encryption (Required both digital signature certificate: Signing & Encryption) of bids issued by any of the valid Certifying Authorities (approved by Controller of Certifying Authorities) in India. Valid Digital Signature Certificate (DSC) must be installed in a computer system from where you want to access the website.*

#### **MINIMUM REQUIREMENT: (Mandatory)**

- Computer with good Internet Connection.
- Operating System should be Windows Vista / Windows 7 and above.
- Web Browsers: Internet Explorer 9.0 (32-bit Browser only) & above

#### **Helpline Numbers:**

+91 79 40270507 / 555 / 596 / 532

[support@abcprocure.com](mailto:support@abcprocure.com)

#### **Alternatively:-**

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 & FINANCE)  
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.

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 & FINANCE)  
PUNJAB ALKALIES & CHEMICALS LIMITED  
SCO 125-127, SECTOR 17-B,  
CHANDIGARH – 160 017**

Email: [mpsrana@punjabalkalies.com](mailto:mpsrana@punjabalkalies.com)

Telephone: 0172 – 4072566/4072567

Fax: 0172 – 2704797

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.

#### **1.10 last date of Submission of Bids**

Bidders should submit their bids by 1700 hours IST on the 25<sup>th</sup> April ,2018 in the manner as mentioned in point no. 1.9.

#### **1.11 Validity of Bids**

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.

#### **1.12 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.

#### **1.13 Law and 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.

#### **1.14 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.

