

**HINDUSTAN URVARAK & RASAYAN LIMITED**  
(A JOINT VENTURE OF CIL, NTPC, IOCL, FCIL & HFCL)



**NOTICE INVITING TENDER**  
**(NIT)**

**NAME OF PACKAGE:** Annual Contract for Cooling Water Chemicals Treatment Program in ACT & UCT Cooling Tower and supply of Chemicals for 02 years at HURL Gorakhpur

**NIT NO: H/G/C&M/24-25/C-496/TE-1042**

**Dated: 21.08.2024**

- 1.0** HURL (Hindustan Urvarak & Rasayan Limited) invites on-line bids from eligible Bidders fulfilling the Qualifying Requirements / Pre-Qualification Criteria (PQC) under Single Stage Two Part Bidding system for aforesaid package.

**2.0 Brief Details**

Published Date	Refer GEM Portal
Bid Document Download / Sale Start Date	Refer GEM Portal
Bid submission Start Date	Refer GEM Portal
Last Date and Time for Bid submission	Refer GEM Portal
Technical Bid Opening Date & Time	Refer GEM Portal
Earnest Money Deposit (EMD) in INR	₹ 508000.00
Pre-Bid Conference Date & Time (if any)	Not Applicable
Last Query Date	Refer GEM Portal
Reverse Auction	Applicable

- 3.0** EMD/Bid Security shall be submitted in a sealed envelope separately offline/online by the stipulated bid submission closing date and time at the address given below. Any bid without an acceptable Bid Security (if applicable) shall be treated as non-responsive by the employer and shall not be opened.

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

- 4.0** MSE bidders are exempted from submission of EMD as per provisions in the Tender Documents.  
MSE bidders seeking benefits of MSE as specified in the Tender Documents, must submit Attested/Self attested copy of Registration certificates (as mentioned in clause 4.0 of ITB) failing which no benefit of MSE shall be extended.

- 5.0** A complete set of Bidding Documents may be downloaded by any interested from the e-procurement portal.

Bidder who has downloaded the tender from the e-procurement portal, shall not tamper/modify the tender document/form in any manner. In case the same is found to be tampered/modified in any manner, bid will be completely rejected and EMD would be forfeited and Bidder is liable to be banned from doing business with HURL for a period of two years.

Intending Bidders are advised to visit e-procurement portal regularly till closing date of submission of tender for any corrigendum / addendum/ amendment.

Not more than one tender shall be submitted by one bidder/ bidder(s) having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e., when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

## 6.0 Qualifying Requirements / Pre-Qualification Criteria (PQC)

Following are the Qualifying Requirements / Pre-Qualification Criteria (PQC) for the subject package:

Sl. No.	Conditions	Documents required (To be submitted along with Technical Bid)
1	Bidder should be Partnership firm/ Sole Proprietor / Limited company.	<p>For Proprietorship firm - Name of the proprietor to be mentioned. Affidavit of proprietorship in original duly notarized (Latest)</p> <p>For partnership firms – Affidavit in originals duly notarized, confirming the current status of the firm along with names of the partners or Copy of partnership deed duly notarized (latest) to be submitted</p> <p>For limited companies, notarized copy of Memorandum and Articles of Association (this only need to be submitted physically-not to be uploaded) and list of directors.</p>
2	<p>The bidder should have successfully completed or substantially completed <b>Similar Work*</b> with performance and completion certificate, during the last seven years ending last day of previous month in which NIT has been issued.</p> <p>The tenderer should have completed three similar works each costing not less than <b>₹ 101.43 Lakhs in one year.</b></p> <p>(or)</p> <p>The tenderer should have completed two similar works each costing not less than <b>₹ 126.79 Lakhs in one year.</b></p> <p>(or)</p> <p>The tenderer should have completed one similar work costing not less than <b>₹ 202.86 Lakhs in one year.</b></p> <p><b>Definition of Similar works: -</b></p> <p>Bidder shall be manufacturer of chemicals &amp; service provider having successful experience of cooling water treatment program design, supply of chemicals, operation monitoring and troubleshooting of treatment in any fertilizers plant in India with following conditions:</p> <p>Bidder shall have successful experience of non – chromate cooling water treatment in at least</p>	<p><b><u>Document to be Submitted.</u></b></p> <p>Copy of Work Order/ PO/ rate contract/ agreement with following details:</p> <p>Work order/ PO/ rate contract/ agreement with number, date and value</p> <p>Name of the client,</p> <p>Period of contract</p> <p>Scope of work mentioning Similar work.</p> <p>Execution certificate issued by Chartered Accountants /statutory auditors/ client highlighting below-</p> <p>Reference work order/ PO/ rate contract/ agreement with number, date and value.</p> <p>Name of the client,</p> <p>Period of Contract</p> <p>Executed value under the work order/ PO/ Rate contract/ agreement.</p> <p>Performance</p>

	<p>4 cooling towers (Ammonia / Urea Plants) of minimum 10,000 m<sup>3</sup>/Hr capacity each, in fertilizer industry, minimum at two different sites in India</p> <p>The minimum term of operation for consideration of successful experience for each tower shall be one year.</p> <p><b>Note- Substantial completion</b> shall be based on <b>80% (eighty percent) (value wise)</b> or more works completed under the contract (Substantial completion should not be defined in terms of percentage completion, rather it should be based on functional consideration).</p> <p><b>Note:</b></p> <p><b>Bidders are strictly advised not to submit any irrelevant data or information which is not as per our requirement/ tender document. Submission of irrelevant data will lead to disqualification of the bidder from tender.</b></p>	
3	<p>The average annual turnover of the bidder during last three financial years ending on 31<sup>st</sup> March 2023 shall not be less than <b>₹ 76.08 Lakhs.</b></p>	<p>Certificate issued by Chartered Accountants or statutory auditors of the bidding entity certifying the Annual Turnover for the Three preceding financial years ending on 31<sup>st</sup> March 2023. Without UDIN the certificate will become invalid.</p>
	<p>Bidder shall have full-fledged R&amp;D set up and / or technical collaboration with a reputed institute / laboratory / Internationally renowned company / organization providing cooling water treatment. Requests from parties not meeting these criterions shall not be considered for qualification.</p>	<p>Requisite documents supporting the above shall be enclosed</p>
4	<p>Bidder Must not be blacklisted by any government department/ public sector undertaking/ co-operative Unit.</p> <p>Bidder Must not be delisted / on Negative List by any government department/ public sector undertaking/ co-operative Unit in the last two years, as on date of participating in the tender.</p> <p>Bidder must not be on the Holiday list of HURL.</p>	<p>Self-certification(s) for both should be submitted on Party's letterhead for the same.</p>
5	<p>Bidder shall submit Bank Solvency certificate issued by any "Scheduled Bank (excluding Gramin / Co – Operative Bank)" should not be earlier than six months from the Bid Submission Date. The minimum amount of Solvency certificate should be of Rs 10 Lakh (Rupees Ten</p>	

	Lakh)	
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- 7.0** Bids will be opened as per date/time as mentioned on the Date specified above or on the date specified on the e-procurement portal. The date of Price-Bid opening will be intimated later on the e-procurement portal.
- 8.0** HURL shall not be responsible for any postal /courier delay for submission of EMD and/or other original documents, if applicable.
- 9.0** HURL reserves the right to reject any or all bids or cancel/withdraw the NIT for the subject package without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.
- 10.0** Bids shall be digitally signed and uploaded by someone legally authorized and competent on behalf of his firm / company i.e., Bidder and relevant documents w.r.t. the same to be uploaded along with the bid by the bidders.

The Power of Attorney of such person needs to be furnished along with bid.

**11.0 Address for Communication.**

Sh Durgesh Kumar Singh Manager (Contracts & Material) Hindustan Urvarak & Rasayan Limited (A Joint Venture of CIL, NTPC, IOCL, FCIL & HFCL) Admin Building, HURL Campus, PO-HURL Fertilizer Plant Gorakhpur-273007 <b>Email ID: <a href="mailto:durgeshkrsingh@hurl.net.in">durgeshkrsingh@hurl.net.in</a></b> <b>Phone: 0551-2989437</b>	Ms Bhaswati Hazarika Officer (Contracts & Material) Hindustan Urvarak & Rasayan Limited (A Joint Venture of CIL, NTPC, IOCL, FCIL & HFCL) Admin Building, HURL Campus, PO-HURL Fertilizer Plant Gorakhpur-273007 <b>Email ID: <a href="mailto:haswati@hurl.net.in">haswati@hurl.net.in</a></b> <b>Ph: 8826822340</b>
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**HINDUSTAN URVARAK & RASAYAN LIMITED**  
(A JOINT VENTURE OF CIL, NTPC, IOCL, FCIL & HFCL)



**SECTION – I**

***INSTRUCTIONS TO BIDDERS***  
***(ITB)***

## 1) Introduction

Hindustan Urvarak & Rasayan Limited (HURL) is a joint venture company of Coal India Limited (CIL), NTPC Limited (NTPC) and Indian Oil Corporation Limited (IOCL) as the lead promoters with Fertilizer Corporation of India Limited (FCIL) and Hindustan Fertilizer Corporation Limited (HFCL) as other two partners.

HURL referred to herein as ‘the Employer’, intends to engage an agency for supply of Goods & related Services or Services as per specifications, Scope of Work as detailed in the Bidding documents.

## 2) General Information

The prospective Bidders are invited to submit “Technical Bid” and “Price Bid” for the tender. Applicability of Reverse Auction may be seen on the e-procurement portal/ NIT.

## 3) Content of Bidding Documents

The items and/or services required, bidding procedures, order/contract terms and technical requirements are prescribed in the Bidding Documents.

The bidding documents include the following sections:

	Notice Inviting Tender (NIT)
Section-I	Instruction to bidder (ITB)
Section-II	General Purchase Conditions (GPC)
Section-III	Special Purchase Conditions (SPC)
Section-IV	Technical Specifications, Scope of Work & Field Quality Assurance Plan
Section-V	Forms Related to Bid
Section-VI	Bill of Quantity

The Bidder is expected to examine all instructions, forms, terms, conditions, specifications and other information in the bidding documents. Failure to furnish all information required as per the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in rejection of its bid.

## 4) Benefits to MSEs

Micro and Small Enterprises (MSEs) shall be exempted from paying Earnest Money Deposit.

Further, in case of tenders where splitting of quantity is possible, participating MSEs quoting price within price band of L1 + 15 percent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply minimum 25 percent of total tendered quantity. In case of more than one such MSE, the supply will

be shared proportionately (to tendered quantity).

**The benefit as above to MSEs shall be available only for Goods/Services produced & provided by MSEs.**

MSEs seeking exemption and benefits should enclose/upload in e-procurement portal an attested/self-certified copy of following registration certificate as a part of his bid, failing which they run the risk of their bid being passed over as ineligible for the benefits applicable to MSEs.

The benefit of MSE will be in accordance to the guidelines issued by **Ministry of Micro, Small & Medium Enterprises**.

## **5) Cost of Bidding**

The Bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

## **6) Clarification on Bidding Documents**

A prospective Bidder requiring any clarification of the Bidding Document shall put the query under Clarification tab of the on-line bid at least three days prior to the clarification end date. EMPLOYER will respond to any request for clarification or modification of the bidding documents that it receives within the time line specified.

EMPLOYER will post the Clarifications under Clarification tab at e-procurement portal website. Bidders can view these clarifications.

Bidders are advised to regularly check under Clarification tab regarding posting of clarification, if any.

Bidders must check the Clarifications issued before submission of Bid. Should the Employer deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so and upload the amendments in the tender on the e-procurement portal.

## **7) Corrigendum/ Amendment to Bidding Documents**

At any time prior to the deadline for submission of bids, EMPLOYER may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, amend the bidding documents.

The corrigendum's/amendment's will be posted in the tender on the e-procurement portal for viewing by the Bidder. The amendments will be binding on Bidders and it will be assumed that the information contained therein will have been considered by the Bidder in its bid. Bidders are advised to regularly check the tender regarding posting of Amendments, if any.

To give prospective Bidders reasonable time to take the corrigendum/amendment into account in preparing their bid, EMPLOYER may, at its discretion, extend the deadline for the submission of bids.

## **8) Language of Bid**

The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Employer, shall be written in English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English. In such case for purposes of interpretation of the Bid such translation shall govern.

## **9) Bid Proposal**

Bid shall be complete in all respects and shall be submitted with requisite information and



Attachments. It shall be free from any ambiguity.

For preparation of Bids, Bidders are expected to go through the complete bidding documents carefully. Material deficiencies in providing the information requested may result in rejection of the Bid.

## **10) Documents Comprising the Bid**

The Bid shall comprise of following components:

### **i) Technical Bid:**

The following documents are to be furnished by the Bidder as part of the Technical Bid:

- a) Techno Commercial Proposal Bid Form
- b) Power of Attorney as per requirement mentioned in NIT.
- c) Proof for payment of Earnest Money Deposit (EMD)/ MSE Certificate for exemption.
- d) Certificates like Registration certificate, GST No, PAN No. etc.
- e) Format for Electronic Payment
- f) Tender Acceptance Letter & Letter of authorization to submit bid.
- g) Documents as required in accordance with Eligibility Criteria
- h) No deviation Certificate.
- i) Certificate from CEO or Managing Director or Legally Authorized Signatory, in the format as enclosed with the Bidding Document certifying that the data and documents furnished by them in respect of Techno-Commercial Evaluation are true and correct including the contents thereof. However, if at any point of time the declarations given in bid are found to be incorrect, HURL shall have the full right to terminate the contract and take any action as per provisions of contract including forfeiture of EMD/Security Deposit.
- j) Acceptance of Fraud Prevention Policy of HURL,
- k) Certificate related to Restrictions on procurement from a Bidder of a country which shares a land border with India”.
- l) Documents in compliance to Scope of Work and Technical Specifications
- m) Any other document asked for in the Bidding Documents.

### **ii) Price Bid:**

The Price bid is to be submitted in the BOQ provided on the e-procurement portal. Bidder should not tamper / modify the price bid template. In case if the same is found to be tampered / modified in any manner, bid will be rejected and EMD would be forfeited and Bidder is liable to be banned from doing business with HURL for a period of 3 years.

## **11) Bid Prices**

Bidders shall quote such that the bid price covers all the Supplier's obligations mentioned in or to be reasonably inferred from the bidding documents including all requirements in accordance with the requirements of the Technical Specifications & Scope of Work. Bidders are required to quote the price for the commercial, contractual and technical obligations outlined in the bidding documents.

Bidders shall give a breakdown of the prices in the manner and detail called for in the Bill of Quantity (BOQ).

## **12) Price Basis**

Bidders are required to quote price on the price basis as per Scope of Work / stipulated in the SPC.

### 13) Bid Currencies

All prices to be quoted by the bidders will be in Indian Rupees only, unless otherwise mentioned in the Special Purchase Conditions (SPC), on FIRM price basis and to remain valid during the Contract period.

### 14) Earnest Money Deposit (EMD) / Bid Security / Guarantee

The Bidder shall furnish, as part of his bid, an Earnest Money Deposit in the amount as stipulated in NIT, in a separate envelope (in case paid in modes other than on-line payment) super scribed on the top as under:

***“ORIGINAL EARNEST MONEY DEPOSIT FOR NIT NO.....  
.....DATED..... FOR ..... (NAME OF PACKAGE) ..... DUE ON .....  
(DATE OF BID OPENING) FROM ..... (NAME OF THE BIDDER)”***

The Earnest Money Deposit (EMD) shall, at Bidders option, be submitted in the following forms:

Electronically by RTGS / NEFT in the account of HURL details as given in subsequent paragraphs.

or

In the form of Demand Draft in favour of Hindustan Urvarak & Rasayan Limited, Payable at New Delhi.

or

In the form of an irrevocable bank guarantee.

The format of Bid Guarantee (BG) towards EMD shall be in accordance with the form of EMD included in the bidding documents (Annexure - 9 of Section V (Forms Related to Bid)). The BG towards EMD shall remain valid for a period of forty-five (45) days beyond the original Bid validity period or beyond any extension in the period of Bid validity subsequently requested from any Scheduled / Commercial Bank recognised by Reserve Bank of India. The Bank Guarantee Verification Checklist duly filled in as per format given in the Bidding Documents is also to be submitted. Bidder shall ensure that all the points of check list are replied in "Yes".

Wherever Bids under Joint Venture route are permitted as per Qualifying Requirement in the Bidding Documents, the Earnest Money Deposit of the Joint Venture must be on behalf of all the partners of the Joint Venture.

Any bid not accompanied by an acceptable Earnest Money Deposit in accordance with the aforesaid provisions shall be rejected by the Employer as being non-responsive and shall be rejected without being opened.

The Earnest Money Deposit shall be forfeited in any of the following circumstances without any notice or proof of damage to the Employer:

- a. If the Bidder withdraws or varies its bid during the period of Bid validity.
- b. If the Bidder does not accept the Arithmetical correction of its Bid Price.
- c. If the Bidder refuses to withdraw, without any cost to the Employer, any deviation, variation, additional condition or any other mention anywhere in the bid, contrary to the provisions of bidding documents.

In the case of a successful Bidder, if the Bidder fails, within the time limit,

- a. To sign the Contract Agreement.
- b. To furnish the required Security Deposit.

If the bidder / his representatives commit any fraud while competing for this contract pursuant to Fraud Prevention Policy of HURL.

If the Bidder withdraws/ amends, impairs and derogates from the tender.

No interest will be payable by the Employer on the said amount covered under Earnest Money Deposit.

EMD shall be refunded to all the unsuccessful Bidder within thirty days of acceptance of work order by the successful Bidders and no interest shall be payable thereon. EMD of the bidders whose price are not considered to be opened, shall be released/refunded at the earliest but not later than thirty days beyond the award of the subject work.

EMD shall be refunded to successful bidder within (30) thirty days of acceptance of LOA and on submission of PBG by the successful Bidders and no interest shall be payable thereon.

RTGS / NEFT details of HURL as under:

Earnest Money Deposit is to be deposited **electronically by ECS/ RTGS/NEFT/BANKERS CHEQUE** in the account of “**Hindustan Urvarak and Rasayan Limited, payable at Delhi**” at the below mentioned details. Bidders are required to submit the details of EMD payment at the time of Bid Preparation.

**BANK Details for EMD Payment through ECS/NEFT/RTGS:**

**Bank Name/Branch – State Bank of India/Overseas Branch Delhi**

**IFS CODE: SBIN0004803, Account No: 36245010741.**

**Bidders are required to upload Signed, Stamped and Scanned copy of the Certificate as part of Technical Bid, failing to which their bids are liable for rejection.**

Price Bids shall be opened only of those bidder(s) whose EMD shall be found as per the requirement of the bidding documents.

**Exemption from submission of EMD:**

Micro and Small Enterprises (MSEs) bidders are exempted from submission of EMD as per provisions at clause 4.0 above.

## **15) Confirmation of BGs through Structured Financial Messaging System (SFMS) / SWIFT**

While issuing the physical BGs, the Bidder's Bank shall also send electronic message through secure SFMS (in case of BGs issued from within India) or SWIFT (in case of BGs issued from outside India) to Employer's Beneficiary Bank whose details are provided in the clause 14 of ITB.

**Bidders are advised to ensure that the message is sent by their Bankers and the Bidders must submit the reference details as part of the bid with the EMD.**

**Name of Beneficiary of Bank Guarantee:**

Name of the Bank: State Bank of India

**Account Name-Hindustan Urvarak & Rasayan Limited**

**Account Number - 36245010741**

**IFSC Code - SBIN0004803**

In case of submission of EMD in the form of Bank Guarantee, bidders are requested to provide the Details like Bank Name, Branch address, IFSC code and Branch E-mail Id of BG issuing Branch on EMD submission covering letter.

## **16) Ineligibility for Future Tenders**

Notwithstanding the provisions regarding forfeiture of Earnest Money Deposit specified above, if a bidder after having been issued the Purchase Order/Contract, either does not accept the Purchase Order/Contract or does not submit an acceptable Performance Security and which results in tender being annulled then such bidder shall be treated ineligible for participation in re-tendering of the particular package.

If a bidder after opening of tenders where EMD is 'NIL/Not applicable' or exempted for bidders as per policy guidelines, withdraws its offer within the validity period of the offer, then such bidder shall be treated as ineligible for participation in the future tenders issued from HURL for a period of one (01) year from the date of withdrawal of the bid.

If a bidder after having been issued the Notification of Award/Purchase Order of a package where EMD is 'NIL/Not applicable' or exempted for bidder as per policy guidelines, either does not accept the Notification of Award/Purchase Order or does not submit an acceptable Performance Security pursuant to ITB Clause titled 'Performance Security', and which result in tender being annulled then such bidder shall be treated ineligible for participation in re-tendering of this particular package.

## **17) Period of Validity of Bids (Techno-Commercial Bid and Price Bid)**

Bids shall remain valid for a period of 90 days from the closing date prescribed by EMPLOYER for the receipt of bids, unless otherwise specified in Special Purchase Conditions (SPC). A bid valid for a shorter period shall be rejected by EMPLOYER as being non-responsive.

In exceptional circumstances, EMPLOYER may solicit the Bidder's consent to an extension of the bid validity period. The request and responses thereto shall be made in writing by post or email or by telefax followed by post confirmation. If a Bidder accepts to extend the period of bid validity, the validity of Earnest Money Deposit shall also be suitably extended. A Bidder may refuse the request without forfeiting its Earnest Money Deposit. A Bidder granting the request will not be required nor permitted to modify its bid.

## **18) Nil Deviation**

**No deviation, whatsoever, is permitted by EMPLOYER to any provision of Bidding Documents.** The Bidders are advised that while making their Bids and quoting prices, all conditions are appropriately taken into consideration. Bidders shall certify their compliance to the complete Bidding Documents as per Certificate at Annexure 4 of Section V (Forms Related to Bid).

In case the Products and/or Services offered do not meet the Technical requirements, the bid shall be rejected as Technically non-responsive.

Bidders may note that in case the Bidder refuses to withdraw additional conditions/ deviations/ variations/ exception, implicit or explicit, found anywhere in the techno-commercial bid, the bid shall be rejected as Technically non-responsive.

Bidders may also note that any deviation/variation in any form in the Price Bid shall result in forfeiture of EMD.

## **19) Format and Signing of Bid**

The bid including all documents uploaded in the on-line bid shall be digitally certified by a duly authorised representative of the Bidder to bind him to the contract using Class II or Class-III digital

signature (in the name of designated individual with Organisation name). The Digital Signature shall be as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI) namely Controller of Certifying Authorities (CCA) of India.

An authorisation letter/power of attorney indicating that the person signing the bid has the authority to sign the bid is to be submitted in Physical form and copy uploaded as part of the Techno-commercial Bid.

## **20) Submission of Bids**

Bid shall be submitted through e-tender mode in the manner specified elsewhere in bidding document. No Manual/ Hard Copy of the Bid shall be acceptable except those asked for in Physical form.

### **a. Physical Bid**

#### **i. EMD**

The Bidder shall furnish, as part of his bid, an Earnest Money Deposit in the amount as stipulated in NIT, in a separate envelope (in case paid in modes other than on-line payment) super scribed on the top as under:

***“ORIGINAL EARNEST MONEY DEPOSIT FOR NIT NO.  
.....DATED..... FOR ..... (NAME OF PACKAGE) ..... DUE  
ON ..... (DATE OF BID OPENING) FROM ..... (NAME OF  
THE BIDDER).”***

### **b. On-Line**

Bid along with all the documents should be submitted in the electronic form only through e-Tendering system.

Any revision or amendment in bid shall be possible only up to the due date and time of submission of tender.

## **1. Techno-Commercial Bid**

### **i. Cover Type – Fee**

MSEs seeking exemption and benefits should enclose / upload in e-procurement portal an attested/self-certified copy of registration certificate as a part of his bid, failing which they run the risk of their bid being passed over as ineligible for the benefits applicable to MSEs.

### **ii. Cover Type – Technical**

The bidders shall upload documents in compliance to the Bidding Documents.

The following documents are to be furnished by the Bidder as part of the Technical Bid:

- a)** Techno Commercial Proposal Bid Form (Enclosed as Annexure-1 to Forms Related to Bid i.e., Section V).
- b)** Power of Attorney as per requirement mentioned in NIT.
- c)** Signed, Stamped and Scanned copy of proof for payment of Earnest Money Deposit (EMD)/ MSE Certificate.
- d)** Signed, Stamped and Scanned copy of Certificates like Registration certificate, GST No, PAN No. etc.

- e) Signed, Stamped and Scanned copy of Format for Electronics Payment (Enclosed as Annexure-2 to Forms Related to Bid i.e., Section V).
- f) Signed, Stamped and Scanned copy of Tender Acceptance Letter & Letter of authorization to submit bid (Enclosed as Annexure-3 to Forms Related to Bid i.e., Section V).
- g) Documents as required in accordance with Eligibility Criteria i.e., Clause 6 of NIT.
- h) Signed, Stamped and Scanned copy of No deviation Certificate (Enclosed as Annexure-4 to Forms Related to Bid i.e., Section V).
- i) Signed, Stamped and Scanned copy of Certificate from CEO or Managing Director or Legally Authorized Signatory, in the format as enclosed as Annexure-5 to Forms Related to Bid i.e., Section V to Bidding Document shall be furnished certifying that the data and documents furnished by them in respect of Techno-Commercial Evaluation are true and correct including the contents thereof. However, if at any point of time the declarations given in bid are found to be incorrect, HURL shall have the full right to terminate the contract and take any action as per provisions of contract including forfeiture of EMD/Security Deposit.
- j) Acceptance to Fraud Prevention Policy of HURL, for which the bidder has to submit Signed, Stamped and Scanned copy of Form of Acceptance of Fraud Prevention Policy of HURL. (Enclosed as Annexure-6 to Forms Related to Bid i.e., Section V).
- k) Certificate related to Restrictions on procurement from a Bidder of a country which shares a land border with India. (Enclosed as Annexure - 7 to Forms Related to Bid i.e., Section V).
- l) Documents in compliance to Scope of Work and Technical Specifications.
- m) Any other document asked for in the Bidding Documents.

**Note: -**

Bidders are requested to upload the clearly visible documents only otherwise if not clearly visible then offer shall be liable for rejection without any further communication. **The Techno-Commercial Bid should not contain any price content entry. In case, the Techno-Commercial Bid is found to contain any price content, such bid shall be liable for rejection.**

Checklist of documents to be submitted is enclosed as Annexure-1 to ITB.

## **2. Price Bid (Cover Type – Finance)**

The Price bid is to be submitted in the BOQ provided on the e-procurement portal.

**Bidders shall necessarily submit the prices on-line in the Bill of Quantity (BOQ) only.**

**\*\*\* Documents to be uploaded in the format stipulated in the tender (online) \*\*\***

**Note:**

In case of Single Stage Two envelope bidding, Price Bid of those bidders whose bids are found to be qualified and technically & commercially responsive shall be opened at a later date under intimation to such bidders.

## **21) Deadline for Submission of Bid**

Bids must be submitted online no later than the time and date stated in the Tender Enquiry/NIT/ on line Tender details.

The Off-line bid specified in the tender must be submitted to the Employer at the address given in the Special Purchase Conditions (SPC) before the last date & Time for submission of Bid as specified in the NIT / Tender. Employer shall not be liable for loss/non-receipt/late receipt of above documents in postal transit.

The on-line Bid must be submitted on the system well before the expiry of time and the schedule specified in the tender notifications, and may note that there is a time lag between the actual placing the bid on the local computer of the bidder and the refreshing of the data on the server.

The processing time for data exchange depends on the internet speed of the bidder, therefore bidder should avoid the last-minute hosting of their bid. The bids visible to the Employer will be final for the purpose of acceptance.

EMPLOYER may, at its discretion, extend this deadline for submission of bids, in which case all rights and obligations of Employer and Bidders will thereafter be subject to the deadline as extended.

## **22) Modification and Withdrawal of Bid**

The Bidder may modify or withdraw its bid after submission prior to the deadline prescribed for bid submission. In case of withdrawal a letter giving the reason for withdrawal is to be uploaded. Once a bid is withdrawn, the bid cannot be re-submitted.

No bid may be withdrawn / modified in the interval between the bid submission deadline and the expiration of the bid validity period. Withdrawal/Modification of a bid during this interval may result in the Bidder's forfeiture of its Earnest Money Deposit, pursuant to ITB Clause 14 above.

## **23) Opening of Bid**

### **a. Techno-Commercial Bid Opening**

The Employer will first open the Techno-Commercial Bid on the date and at the place specified in the tender enquiry/NIT. In the event of the specified date for the opening of bids being declared a holiday for EMPLOYER, the bids will be opened at the appointed time on the next working day. All important information and other such details as EMPLOYER, at its discretion, may consider appropriate, will be announced at the opening.

Technical Bid shall be opened for evaluation.

In case of Single Stage Two Envelope bidding, the Price Bid will remain unopened and the date and time for opening of price bids shall be intimated separately on the e-procurement portal by EMPLOYER after completion of evaluation of Techno-Commercial Bids.

### **b. Price Bid Opening**

In case of Single Stage Single Envelope bidding, the Price Bid will be opened on the date and time for opening of bids specified after opening of Techno-commercial bids as specified above.

In case of Single Stage Two Envelope bidding, after the evaluation process of Techno-Commercial bid is completed, the date and time for opening of price bids shall be intimated separately by Employer. Bidders, whose Techno-Commercial Bid is not substantially responsive, their Technical Bid shall be rejected and their Price bid will also be rejected & shall not be opened and their Earnest Money Deposit shall be returned.

Price bids of those Bidders, who have been considered qualified and whose Techno-commercial Bid is found to be responsive, will be opened online on e-procurement portal.

## **24) Clarification on Bid**

During bid evaluation, EMPLOYER may, at its discretion, ask the Bidder for a clarification of its bid including documentary evidence pertaining to the Purchase Orders/Contracts executed declared in the bid for the purpose of meeting Qualifying Requirement specified in NIT. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid including substitution of Purchase Orders/Contracts executed in the bid by new/additional Purchase Orders/Contracts executed for conforming to Qualifying Requirement shall be sought, offered or permitted.

For this purpose, only 1 chance, shall be given. If the techno-commercial acceptability of bidder is established upon verification of documents including clarifications submitted, the case shall be considered for further processing. If the bidder happens to be defaulter upon verification of the documents or has not uploaded the required document within the mentioned time frame his bid would be analysed based on the uploaded documents and if found not in order as per requirement, would be outrightly rejected.

## **25) Preliminary Examination of Techno-Commercial Bids**

EMPLOYER will examine the bids to determine whether they are complete, whether required securities have been furnished, whether the documents have been properly signed and whether the bids are generally in order.

Prior to the detailed evaluation, the Employer will determine whether the bid is of acceptable quality, is generally complete and is substantially responsive to the bidding document. For purpose of this determination, a substantially responsive bid is one that conforms to all the terms, condition and specifications of the bidding documents without material deviations, objections, conditionality or reservations.

A material deviation, objection, conditionality or reservation is

- (i) That effects in any substantial way the scope quality or performance of the contract.
- (ii) That limits in any substantial way inconsistent with the bidding document the Employers right or the successful bidder's obligation under the contract or
- (iii) Whose rectification would unfairly affect the competitive position of other bidders who are presenting substantially responsive bids.

Material deficiencies in the bid may render the bid non-responsive and may lead to the rejection of the bid.

EMPLOYER's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. If a bid is not substantially responsive, it will be rejected by EMPLOYER, and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

## **26) Evaluation of Techno-Commercial Bids**

EMPLOYER will carry out a detailed evaluation of the Techno-Commercial bids (of the qualified bidders shortlisted as above) previously determined to be substantially responsive in order to determine whether the technical and commercial aspects are in accordance with the requirements set forth in the bidding documents. In order to reach such a determination, EMPLOYER will examine and compare the technical and commercial aspects of the bids on the basis of the information supplied by the bidders. Bidder may note that no deviation, whatsoever, is permitted by EMPLOYER to any provisions of Bidding Documents.

In case the Bidder refuses to withdraw additional conditions/deviations/variations/exception, implicit or explicit, found anywhere in the bid in respect of techno-commercial requirements of the bidding documents, without any financial implication whatsoever to the Employer, the bid shall be rejected as



technically non-responsive. Product(s) and/or service(s) not meeting the specified technical requirements & scope work, shall be rejected.

## **27) Preliminary Examination of Price Bid**

The Employer will examine the Price bids to determine whether they are complete, whether any computational errors have been made, and whether the bids are generally in order.

In case any additional conditions/deviations/variations/exception, implicit or explicit, is found anywhere in the Price bid, the Earnest Money Deposit shall be forfeited.

## **28) Financial Disqualification**

An abnormally low bid will be rejected and will not be considered as L1.

An Abnormally Low Bid is one in which the Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder to perform the contract at the offered price.

In such situation the bidder shall have to provide written clarification including detailed price analysis of the Bid price in relation to scope, schedule, resource mobilization, allocation of risks and responsibilities, and any other requirements of the bid document.

If, after evaluating the price analyses, the employer determines that the Bidder has substantially failed to demonstrate its capability to deliver the contract at the offered price, the employer may reject the Bid/ Proposal and the bidder will not be considered in the evaluation of the financial ranking.

## **29) Discrepancies in Bid**

In case of discrepancies in the bid, the following will be adopted to correct the discrepancies for Arithmetical for the purpose of evaluation.

- a) In case of discrepancy between unit price in figures and words, the unit price in words will be considered as correct.
- b) In case of discrepancy between unit price and total price, the unit price will be considered as correct.
- c) In case of discrepancy between unit price and total price, which is obtained by multiplying the unit price and quantity, or between sub-totals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected accordingly.

## **30) Evaluation Criteria**

The evaluation criteria specified in Special Purchase Conditions (SPC) shall over-ride all other similar related clauses appearing elsewhere in the bidding documents.

The evaluation shall be based on the evaluated cost of fulfilling the contract in compliance with all commercial, contractual and technical obligations under this Bidding Document.

## **31) Evaluation of Bids**

- a) The Employer shall evaluate each Bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- b) To evaluate a Bid, HURL shall only use all the criteria and methodologies defined in this document.
- c) To evaluate a Bid, HURL shall consider the following:
  - The bid price as quoted as per Bill of Quantity (BOQ).
  - Price adjustment for correction of discrepancy.

- Price adjustment due to discounts offered.
- Price adjustment due to Price Preference, pursuant to ITB clause 4.0, if applicable.
- Price adjustment due to Price Preference due to any other condition specified in Special Purchase Conditions (SPC).

Price adjustment due to application of the evaluation criteria.

### **32) Tiebreaker**

In case of a tie at the lowest bid (L-1) position between 02 or more start-up/non-start-up bidders, the following sequence of preference shall be adopted while processing the Letter of Acceptance (LOA)/Order.

- (a) In case, one of the bidders is MSE owned by SC/ST Entrepreneur, then the order shall be placed on such bidder.
- (b) In case, one of the bidders is MSE owned by women Entrepreneur, then the order shall be placed on such bidder.
- (c) In case, one of the bidders is MSE then the order shall be placed on such bidder.
- (d) Otherwise, the order shall be placed on the bidder having higher turnover in the last audited financial year.

In case there is a tie at lowest bid (L1) position between only startup bidders and none of them has past turnover, the order/LOA will be placed on the startup who has registered earlier with the department Promotion of industry and Internal Trade.

However, the above order of performance while processing LOA is subject to instructions/guidelines issued by the government of India from Time to time.

### **33) Contacting the Employer**

Subject to ITB clause 25 above, no Bidder shall contact the Employer on any matter relating to its bid, from the time of the opening of Bids to the time the contract is awarded.

Any effort by a Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid.

### **34) Employer's Right to Accept Any Bid and To Reject Any or All Bids**

The Employer reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder(s) of the grounds for the Employer's action.

### **35) Award Criteria**

Subject to ITB Clause 33, the Employer will award the contract to the successful Bidder whose bid has been determined to be substantially responsive to the Bidding Documents and qualified to perform the contract satisfactorily.

The Bidder will be required to comply with all requirements of the Bidding Documents without any extra cost to the Employer, failing which his Earnest Money Deposit will be forfeited.

### **36) Construction of Contract**

If required, HURL may place separate Orders for supplies and Services.

The award of separate Purchase Orders shall not in any way dilute the responsibility of the Supplier for the successful completion of the Facilities as per Contract documents and a breach in one Purchase Order shall be construed as a breach of the other Purchase Order(s) which will confer a

right on the Employer to terminate the other Contract(s) also at the risk and cost of the Supplier.

The total value of all the orders shall be the Total Package value.

### **37) Notification of Award**

Prior to the expiration of the period of bid validity, the Employer will notify the successful Bidder in writing by email or letter or by telefax to be confirmed in writing by letter sent by Speed Post/Registered/courier, that its bid has been accepted. The notification of award (Purchase/Service Order) will constitute the formation of the contract and shall be effective from the date of award or the date as specified in Special Purchase Conditions (SPC).

### **38) Corrupt or Fraudulent Practices**

Employer requires that Bidders, Contractors and Suppliers observe the highest standard of ethics during the procurement and execution of the contracts. In pursuance of this policy, Employer:

- a) Defines, for the purposes of this provision, the terms set forth below as follows:
  - i. "Corrupt Practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
  - ii. "Fraudulent Practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition;
- b) Will reject a bid for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- c) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for or in executing a contract of the Employer.

### **39) Fraud Prevention Policy**

The Bidders/ Service Providers/ Vendors/ Consultants etc. shall strictly adhere to the Fraud Prevention Policy of HURL displayed on its website <http://www.hurl.net.in> and shall not indulge or allow anybody else working in their organization to indulge in fraudulent activities and immediately apprise HURL of the fraud/suspected fraud as soon as it comes to their notice. A certificate to this effect shall be furnished by the bidder along with his bid, in relevant attachment as per format enclosed (Annexure 6 of Section V (Forms Related to Bid)) with the Bidding Document.

If in terms of above policy, it is established that the bidder/his representatives have committed any fraud while competing for this contract then the Earnest Money Deposit shall be forfeited.

### **40) Indian Agents**

In a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product.

If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit bid on behalf of another Principal/OEM in the same tender for the item/product.

### **41) Transfer of Bid Documents**

- a. Transfer of Bidding documents is not permissible.
- b. Documents purchased / downloaded by the intending bidders cannot be transferred.

**Checklist of documents to be submitted**

Sr. No	Item	Yes / No	Bid Ref.
1	Techno Commercial Proposal Bid Form. (Enclosed as Annexure-1 to Forms and Procedures i.e., Section V)		
2	Power of Attorney as per requirement mentioned in NIT.		
3	Signed, Stamped and Scanned copy of proof for payment of Earnest Money Deposit (EMD) / MSE Certificate for exemption.		
4	Signed, Stamped and Scanned copy of Certificates like Registration certificate, GST No, PAN No, etc.		
5	Signed, Stamped and Scanned copy of Format for Electronics Payment (Enclosed as Annexure-2 to Forms and Procedures i.e., Section V)		
6	Signed, Stamped and Scanned copy of Tender Acceptance Letter (Enclosed as Annexure-3 to Forms and Procedures i.e., Section V)		
7	Documents as required in accordance with Qualifying Requirements / Pre-Qualification Criteria (PQC) i.e., <u>Clause 6</u> of NIT		
8	Signed, Stamped and Scanned copy of No deviation Certificate (Enclosed as Annexure-4 to Forms and Procedures i.e., Section V)		
9	Signed, Stamped and Scanned copy of Certificate from CEO/MD/ Legally Authorized Signatory, in the format as enclosed as Annexure-5 to Forms and Procedures i.e., Section V) to Bidding Document shall be furnished certifying that the data and documents furnished by them in respect of Techno-Commercial Evaluation are true and correct including the contents thereof. However, if at any point of time the declarations given in bid are found to be incorrect, HURL shall have the full right to terminate the contract and take any action as per provisions of contract including forfeiture of EMD/Security Deposit.		
10	Acceptance to Fraud Prevention Policy of HURL, for which the bidder has to submit Signed, Stamped and Scanned copy of Form of Acceptance of Fraud Prevention Policy of HURL. (Enclosed as Annexure-6 to Forms and Procedures i.e., Section V).		
11	Certificate related to Restrictions on procurement from a Bidder of a country which shares a land border with India” i.e. (Enclosed as Annexure-7 to Forms and Procedures i.e., Section V).		
12	Proforma for Terms and Condition (Enclosed as Annexure-8 to Forms and Procedures i.e., Section V).		
13	Documents in compliance to Scope of Work and Technical Specifications		
14	Any Other Document asked for in the Bidding Document		
15	Filled BOQ		

**Note:**

Failure to Upload Authentic and Correct Documents as mentioned at Sr. No. 1 to 13 above would lead to Rejection of Techno- Commercial Bid. Price Bids shall be opened only of those bidders who are qualified and whose techno-commercial bids are acceptable.

**HINDUSTAN URVARAK & RASAYAN LIMITED**  
(A JOINT VENTURE OF CIL, NTPC, IOCL, FCIL & HFCL)



**SECTION – II**

***GENERAL CONDITIONS OF CONTRACTS***  
***(GCC)***

## 1. Definitions & Terminology

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

**“Employer” / “Owner”** means the Hindustan Urvarak & Rasayan Limited (HURL), having its registered office Core-4, 9th Floor, Scope Minar, Laxmi Nagar District Centre, Delhi-110092 and shall include their legal representatives, successors and permitted assigns.

**“Contract”** means the Contract Agreement entered into between the Owner and the Contractor, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.

**“Contract Documents”** mean the following documents that constitute the Contract between the Employer and the Contractor:

- i. The Contract Agreement along with its appendices
- ii. Letter of Award/Service Purchase Order along with its appendices including agreed variations annexed.
- iii. Amendment to Tender/Bidding Documents
- iv. Special Conditions of Contract
- v. Technical Specifications
- vi. General Conditions of Contract
- vii. The Bid and Bill of Quantities submitted by the Contractor
- viii. Instructions to Bidders

**“GCC”** means the General Conditions of Contract hereof.

**“SCC”** means the Special Conditions of Contract.

**“Day”** means calendar day of the Gregorian Calendar.

**“Week”** means a continuous period of seven (7) calendar days.

**“Month”** means calendar month of the Gregorian Calendar.

**“Completion”** means the fulfilment of the Services by the Contractor in accordance with the terms and conditions set forth in the Contract.

**“Contractor”** shall mean the successful Sole Bidder or Consortium whose bid has been accepted by the OWNER and who has been selected by the OWNER for the award of Works and shall include his heirs, legal representatives, successors and permitted assigns.

**“Contract Price”** means the price to be paid for the performance of the Services, exclusive of GST.

**Effective Date** means the date on which this Contract comes into force pursuant to GCC Clause 15.

**Foreign Currency** means any currency other than the currency of the Owner’s country.

**“Local Currency”** means the currency of the Government of India.

**“Government”** means the Government of the Owner’s country i.e. INDIA.

**Party** means the Owner or the Contractor, as the case may be, and **“Parties”** means both of them. Third party means any party other than Owner and Contractor.

**Personnel** means professionals and support staff provided by the Contractor or by any Sub-Contractor and assigned to perform the Services or any part thereof;

**“Funds”** means any funds allocated to the Owner under Company budget, or loan, grants and credits placed at the disposal of the Owner.

**Services** means the work to be performed by the Contractor pursuant to this Contract

**Sub-Contractor** means any person or entity to whom/which part of the Services is sub-consulted.

**“Engineer”** or **“Engineer-in-Charge”** or **“E.I.C.”** shall mean the officer appointed in writing by the Owner to act as “Coordinator” from time to time on behalf of Owner in all matters pertaining to this Contract. **“Engineer-in-Charge”** shall be authorized by the Client for supervision, inspection, scrutiny and approval of some or all of the services rendered by the Contractor under the Contract.

**“Bill of Quantity”** shall mean the priced and completed Bill of Quantity (BOQ) forming the part of the bid or such Bill of Quantity (BOQ) forming the part of the Contract, as the case may be, with amendments, if any, thereto.

Throughout these Bidding Documents, the term “Bid” and “Tender” and their derivatives (Bidder/ Tenderer, Bidding / Tendering, Bidding Document/Tender Document, etc.); Bill of Quantity / Schedule of Quantity / Schedule of Quantities/ Bill of Quantities; Owner / Employer / HURL; Bid Security / Earnest Money Deposit; Security Deposit / Performance Security/ Performance Guarantee; Engineer-in-Charge / Engineer, appearing anywhere in the Bidding Documents shall have the same meaning and are synonymous to each other.

## **2. Order of The Precedence of The Documents**

Subject to order of precedence listed below, all documents forming part of the Contract (and all parts thereof) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

The order of precedence of documents shall be as under:

- a)** Contract Agreement and the Appendices
- b)** Purchase Order/Service Order along with its annexures.
- c)** Amendment to Bidding Documents
- d)** Special Conditions of Contract
- e)** Technical Specifications including Scope of Work
- f)** General Contract Conditions
- g)** The Bid and BOQ submitted by the Supplier
- h)** Instructions to bidders

An amendment issued after issue of Contract shall take precedent over the formal Contract and all other contract documents.

In the event of any ambiguity or conflict between the Contract Documents listed above, the order of precedence shall be the order in which the Documents are listed above.

Any error in description, quantity or rate in Bill of Quantity (BOQ) or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the Works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

## **3. Singular and Plural**

The singular shall include the plural and the plural the singular, except where the context otherwise requires.

#### **4. Headings**

The headings and marginal notes in the General Conditions of Contract are included for ease of reference, and shall neither constitute a part of the Contract nor affect its interpretation.

Heading and marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the Contract.

#### **5. Communications and Notices**

Communications between Parties (notice, request or consent required or permitted to be given or made by one party to the other) pursuant to the Contract shall be in writing to the Authorized Representatives named in the Contract.

A notice shall be effective when delivered or on the notice's effective date, whichever is later.

A Party may change its address for notice hereunder by giving the other Party notice of such change to the address.

#### **6. Governing Laws**

The Contract shall be governed by and interpreted in accordance with laws in force in India.

The Courts of Delhi shall have exclusive jurisdiction in all matters arising under the Contract, unless otherwise stated in the SCC.

#### **7. Governing Language**

The Contract shall be written in English. All correspondences and documents relating to the Contract shall be written in English. Supporting documents and printed literature that are part of the Contract may be in another language, as long as such literature is accompanied by a translation of its pertinent passages in English language in which case, for purposes of interpretation, the translation shall govern.

The English Translation of the documents shall be carried out by professional translators and the translator shall certify that he is proficient in both languages in order to translate the document and that the translation is complete and accurate. Further, translation shall be authenticated by the Indian Consulate located in the Country where the documents have been issued or the Embassy of that Country in India.

The Contractor shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

#### **8. Assignment**

Neither the Owner nor the Contractor shall assign, in whole or in part, their obligations under this Contract; except with prior written approval of the Owner.

#### **9. Authorized Representatives**

##### **Engineer-in-Charge**

If the Engineer-in-Charge is not named in the Contract, then within fourteen (14) days of the Effective Date, the Owner shall appoint and notify the Contractor in writing of the name of the Engineer-in-Charge. The Owner may from time to time appoint some other person as the Engineer-in-Charge in place of the person previously so appointed, and shall give a notice of the name of such other person to the Contractor without delay. The Owner shall take reasonable care to see that no such appointment is made at such a time or in such a manner as to impede the progress of work. The Engineer-in-Charge shall represent and act for the Owner at all times during the currency of the Contract. All notices, instructions, orders, certificates, approvals and all



other communications under the Contract shall be given by the Engineer-in-Charge, except as herein otherwise provided. All notices, instructions, information and other communications given by the Contractor to the Owner under the Contract shall be given to the Engineer-in-Charge, except as herein otherwise provided.

## **10. Contractor's Authorised Representative**

### **Contractor's Representative**

If the Contractor's Representative is not named in the Contract, then within fourteen (14) days of the Effective Date, the Contractor shall appoint the Contractor's Representative and shall request the Owner in writing to approve the person so appointed. If the Owner makes no objection to the appointment within fourteen (14) days, the Contractor's Representative shall be deemed to have been approved. If the Owner objects to the appointment within fourteen (14) days giving the reason therefore, then the Contractor shall appoint a replacement within fourteen (14) days of such objection, and the foregoing provisions of this GCC Clause shall apply thereto.

The Contractor's Representative shall represent and act for the Contractor at all times during the currency of the Contract and shall give to the Engineer-in-Charge all the Contractor's notices, instructions, information and all other communications under the Contract.

All notices, instructions, information and all other communications given by the Owner or the Engineer-in-Charge to the Contractor under the Contract shall be given to the Contractor's Representative or, in its absence, its deputy, except as herein otherwise provided.

The Contractor shall not revoke the appointment of the Contractor's Representative without the Owner's prior written consent, which shall not be unreasonably withheld. If the Owner consents thereto, the Contractor shall appoint some other person as the Contractor's Representative, pursuant to the procedure set out in above GCC Clause.

The Contractor's Representative may, subject to the approval of the Owner (which shall not be unreasonably withheld), at any time delegate to any person any of the powers, functions and authorities vested in him or her. Any such delegation may be revoked at any time. Any such delegation or revocation shall be subject to a prior notice signed by the Contractor's Representative, and shall specify the powers, functions and authorities thereby delegated or revoked. No such delegation or revocation shall take effect unless and until a copy thereof has been delivered to the Owner and the Engineer-in-Charge.

Any act or exercise by any person of powers, functions and authorities so delegated to him or her in accordance with the above GCC Clause shall be deemed to be an act or exercise by the Contractor's Representative.

## **11. Relation between the Parties**

Nothing contained herein shall be construed as establishing a relation of master and servant or of principal and agent as between the Owner and the Contractor. The Contractor, subject to this Contract, has complete charge of Personnel and Sub-Contractors, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

## **12. Location**

The Services shall be performed at such locations as are specified in the Contract and, where the location of a Special task is not so specified, at such locations as the Owner may approve.

## **13. Taxes & Duties**

Contractor, shall bear all tax liabilities, duties, Govt. levies etc. on account of payments made under this Contract. It shall be the responsibility of the Contractor to submit to the concerned

Indian authorities the returns and all other concerned documents required for this purpose and to comply in all respects with the requirements of the laws in this regard, in time.

It shall be incumbent upon the Contractor to obtain a registration certificate as a dealer under GST Law, and other law(s) relating to levy of tax, duty, cess etc. and necessary evidence to this effect shall be furnished by the Contractor to the Owner.

The Contract Price (of both domestic and foreign Contractor) shall also be exclusive of GST applicable on services as per the rates prevailing as on seven (7) days prior to the date of Techno-Commercial bid opening. In case the Contractor is from outside India, who does not have any fixed establishment or permanent address in India, the GST shall be paid to the concerned Tax Authorities in India by the Owner and the same shall be recovered/ deducted from the Contractor.

In case of any variation in the rate of GST during the period of Contract, an equitable amount shall be paid/ recovered from the Contractor to fully take into account any such change.

If a new tax, duty or levy is imposed or any rates of tax are increased or decreased under statute or law in India after the date seven (7) days prior to date of Techno-Commercial bid opening and the Contractor becomes liable there under to pay and actually pays the said new tax, duty or levy for Bonafede use on the work contracted, the same shall be reimbursed/recovered to the Contractor.

As regards Income Tax, Surcharge on Income Tax and other Corporate Taxes, including Cess wherever applicable, the Contractor shall be responsible for such payments to the concerned authorities.

The Owner shall be entitled to make necessary tax deductions at source as per the prevalent laws. The Contractor shall be required to submit the PAN details before the submission of the first bill/invoice under the Contract.

In case the Contractor is from outside India, it shall be required to either furnish

- (i) The certificate from Indian Tax Authority or
- (ii) Ruling from "the Authority for Advance Ruling (AAR)" determining the applicable rate of Income Tax in India before release of first payment.

The Contractor shall himself be informed of all the applicable laws, notifications, rules, circulars and other communications of the State or Central or other authorities with regard to levy of any tax, duty, cess, levy or fee etc, which in any manner may impinge upon him in performance of any obligations/responsibilities under or arising out of the Contract.

Further in case of foreign Contractor, certain benefits of Income Tax may be available to him in his country under Double Taxation Avoidance Agreement (DTAA). While quoting for the assignment, the foreign Contractors are required to consider such benefits in their proposal.

## **14. Effectiveness of Contract**

The Contract shall come into force and effect on the date, called the "Effective Date", of the Owner's notice to the Contractor instructing the Contractor to commence carrying out the Services. This notice shall confirm that the effectiveness conditions, if any, as specified in the SCC have been met or as mentioned elsewhere in the tender document.

## **15. Effective Date**

The date the Contract comes into effect shall be as specified in the SCC.

## **16. Commencement of Services**

The Contractor shall commence carrying out the Services not later than the number of days after the Effective Date as specified in the SCC.

## **17.Modifications or Changes or Amendment**

No Modifications or changes or amendment or other variation of the Contract (Purchase Order / Service Purchase) shall be effective unless it is in writing, is dated, expressly refers to the Purchase Order / Service Order, and is signed by a duly authorized representative of Employer and accepted by the Contractor.

## **18.Contract Price**

The Contract price, other than GST, shall remain FIRM throughout the contract period and will be NOT be subject to adjustment for price escalation during the performance of the Contract until unless specified otherwise in the SCC.

## **19.Severability**

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

## **20.Standard of Performance**

The Contractor shall perform the Services and carry out its obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Contractor shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Owner, and shall at all times support and safeguard the Owner's legitimate interests in any dealings with Sub Contractors or Third Parties.

## **21.Conflict of Interests**

The Contractor shall hold the Owner's interest's paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

## **22.Confidentiality**

The Owner and the Contractor shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following termination of the Contract. Notwithstanding the above, the Contractor may furnish to its Subcontractor(s) such documents, data and other information it receives from the Owner to the extent required for the Subcontractor(s) to perform its work under the Contract, in which event the Contractor shall obtain from such Subcontractor(s) an undertaking of confidentiality similar to that imposed on the Contractor under this clause of GCC.

## **23.Limitation of Liability**

HURL shall in no way be responsible for any liabilities arising out of the Contractor's Contractual obligations with the Contractor's personnel, experts, engineers, sub-Contractors, licensors, collaborators, vendors, or subsidiaries. Similarly, the Contractor shall in no way be responsible for any liabilities arising out of HURL's personnel, sub-Contractors, licensors, collaborators, vendors or subsidiaries.

The Contractor and HURL both agree that each shall assume full risk of damages or injury to its own properties, employees and representatives caused by any act or omission to act by their respective employees or representatives, during the performance of this Contract.

Except in cases of criminal negligence or wilful misconduct,

- (a) Neither Party shall be liable to the other Party, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, which may be suffered by the other Party in connection with the Contract, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Employer and
- (b) The aggregate liability of the either party to the other party, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.

Notwithstanding anything contained hereinabove, the aggregate liability of the Employer to the Contractor shall not exceed the Total Contract Price, less payments already released to the Contractor, if any.

## **24.Liability of the Contractor**

The Contractor, shall be, liable to and required to indemnify, the Owner as stated under for due performance of the Contract.

The Contractor shall indemnify the Owner from and against any and all claims, liabilities, obligations, losses, damages, penalties, actions, judgment, suits, proceedings, demands, costs, expenses and disbursements of whatsoever nature that may be imposed on, incurred by or asserted against the Owner during or in connection with the Services by reason of:

- (a) Infringement or alleged infringement by the Contractor of any patent or other protected right; or
- (b) Plagiarism or alleged plagiarism by the Contractor.

The Contractor shall ensure that all goods and services (including without limitation all computer hardware, software and systems) procured by the Contractor out of funds provided or reimbursed by the Owner or used by the Contractor in the carrying out of the Services do not violate or infringe any industrial property or intellectual property right or claim of any third party.

## **25.Insurance to be taken out by the Contractor**

The Contractor

- (a) Shall take out and maintain, and shall cause any Sub-Contractors to take out and maintain, at their (or the Sub-Contractors', as the case may be) own cost, but on terms and conditions approved by the Owner, during the performance of the Contract, the insurance against the risks, and for the coverage as specified in the SCC; and
- (b) At the Owner's request, shall provide evidence to the Owner showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid.

## **26.Contractors' Actions Requiring Owner's Prior Approval**

The Contractor shall obtain the Owner's prior approval in writing before taking any of the following actions:

- (a) Any subcontract relating to the Services to an extent and, with such specialists and entities as may be approved as
- (b) Any other action that may be specified in the SCC.

Notwithstanding any approval as above, the Contractor shall remain fully liable for the performance of Services by the Sub-Contractor and its Personnel and retain full responsibility for the Services.

## **27.Assistance and Exemptions**

The Owner shall use its best efforts to ensure the following:

- (a) To ensure the accuracy of all information and/or data to be supplied by the Owner to the Contractor necessary for performance of the Contract, except when otherwise expressly stated in the Contract.
- (b) Issue to officials, agents and representatives of the Owner all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services;
- (c) Provide to the Contractor, Sub-Contractors and Personnel any such other assistance as may be specified in the SCC.

## **28.Payment Terms**

### **General**

In consideration of the Services performed by the Contractor under this Contract, the Owner shall make to the Contractor such payments and in such manner as stated below:

Payments will be made in the currency or currencies in which the Contract Price has been stated in the Contractor's bid i.e., INR.

No payment made by the Owner herein shall be deemed to constitute acceptance of the Services nor relieve the Contractor of any obligations.

### **Modes of Billing and Payment**

All the invoices of payment shall be supported by necessary Documents and submitted in quadruplicate for the certification of Engineer-in-Charge for which he will require a maximum time of fifteen (15) days before the same are submitted for processing the payment of amount admitted.

The Owner shall pay to the Contractor all the admissible payments within thirty (30) days of certification of the Engineer-in-Charge of the amount payable for the services.

Contractor shall furnish the details of Bank Account in the prescribed format along with Bid in order to facilitate the Owner to release Payments electronically through Electronic Fund Transfer system wherever technically feasible. The Contractor shall hold the Owner harmless & Owner shall not be liable for any direct, indirect or consequential loss or damage sustained by the Contractor on account of any error in the information or change in Bank details provided to the Owner in the prescribed form without intimation to Owner duly acknowledged.

## **29.Early Warning**

If at any time during performance of the Contract, the Contractor or its Sub-Contractors should encounter events, circumstances conditions that may adversely affect the quality of the work, increase the cost of Services or delay the execution of the Services, the Contractor shall promptly notify the Owner in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Contractor's notice, the Owner shall evaluate the situation, and the Contractor shall cooperate with the Owner in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced.

## **30.Extension of the Intended Completion Date**

In the event the Contractor is unable to complete the assignment by the Intended Completion Date it may request the Owner to extend the Intended Completion Date giving reasons. The Owner may extend the Intended Completion Date if the reasons given by the Contractor, including prior review where necessary, are found acceptable. The Owner shall, however, decide by how much to extend the Intended Completion Date.

### **31. Good Faith**

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

### **32. Change in laws and regulations**

If, after the date seven (7) days prior to the last date of Bid submission, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, 2 abrogated or changed (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Contractor and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. However, these adjustments would be restricted to items in respect of both direct transactions between the Employer and Supplier.

### **33. Performance Security**

Within thirty (30) days of the receipt of Purchase Order/Service Order from the Employer, the contractor shall furnish the Contract Performance Guarantee (CPG), if applicable, for the due performance of the Contract for ten percent (10%) of the Contract Price with an initial validity up to ninety (90) days beyond the completion date for work plus defect liability period (if any), for due performance of the Contract(s)/Order(s) in any form acceptable to the Employer as mentioned below.

CPG may be submitted in any of the following forms:

- (a) Crossed Demand Draft / Bankers cheque drawn in favour of HURL Payable at New Delhi.
- (b) An irrevocable Bank Guarantee as per the HURL standard format from any nationalized bank / Scheduled Bank as acceptable to HURL as per list enclosed.

Failure of the supplier to submit the above-mentioned Contract Performance Guarantee shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

No interest shall be payable by the Employer to the Contractor against the Security Deposit furnished.

Performance Security shall be returned after Certification of completion of work by EIC. However, the contractor will have to apply in writing, for refund of the same.

### **34. Force Majeure**

Neither CONTRACTOR nor OWNER shall be considered in default in the performance of their obligations under CONTRACT, as long as such performance is prevented or delayed for reasons such as, including but not limited to, whether similar or dissimilar, acts of God, earthquake, tidal wave, tsunami, hurricane, storm, typhoon or cyclone (except monsoon), floods, lightning, land slide, fire or explosions, plague or epidemic, strikes of a whole National category of workers and concerted act of workmen or other industrial disturbances (lasting more than 7 consecutive calendar DAYS), lockouts (lasting more than 7 consecutive calendar DAYS), sabotage, blockade, war, riots, invasion, act of foreign enemies, hostilities (whether war be declared or not), civil war, rebellion, revolution, terrorist acts, insurrection or military or usurped power of confiscation or trade embargoes or destruction or requisition by order of any Government or any Public Authority or for reasons or cause beyond the reasonable control of the affected party provided notice of any such cause is given forthwith and in any event not later than one week (7) DAYS of the happening of the event by the party claiming the benefit of this Clause to the other specifying the matter constituting FORCE MAJEURE explaining to what extent contractual obligations will thereby be prevented or delayed and the further period for which it is estimated that such prevention or delay

will continue. CONTRACTOR shall provide justificatory documents countersigned by the local Chamber of Commerce. Notwithstanding the forgoing, FORCE MAJEURE shall not include

(a) weather conditions reasonably to be expected for the climate in the geographic area of the SITE including but not limited to the monsoon season.

(b) the occurrence of any manpower or material shortages unless such a shortage is itself caused by an event of force majeure, or (c) any delay, default or failure (direct or indirect) in obtaining materials, or in any SUB-CONTRACTOR/VENDOR or worker performing any WORK or any other delay, default or failure (financial or otherwise) attributable to SUB-CONTRACTOR/Vendor/worker, unless such delay, default or failure results from any act, event or condition which would, with respect to such SUBCONTRACTOR/ VENDOR/ worker, constitute an event of force majeure.

If the CONTRACTOR suffers delay in the due execution of the contractual obligations due to delays caused by force majeure as defined above, the agreed time of completion of job covered by this CONTRACT or the obligation of the CONTRACTOR shall be extended by a period of time on account of force majeure conditions, provided that on the occurrence of any such contingency, the CONTRACTOR shall within 30 days reports to the OWNER in writing, the cause of delay and likely duration of cause of delay with requisite documentary evidence.

Should one or both the parties be prevented from fulfilling the contractual obligations by a state of FORCE MAJEURE lasting continuously for a period of 6 weeks, the two parties shall consult each other regarding the future implementation of the CONTRACT. The mere shortage of labour, materials or utilities shall not constitute FORCE MAJEURE unless caused by circumstances which are themselves FORCE MAJEURE.

CONTRACTOR and OWNER shall endeavor to prevent, overcome or remove the causes of FORCE MAJEURE.

No ground for exemption can be invoked if CONTRACTOR has failed to give timely notice by registered letter and subsequently supported it by documentary evidence.

Delay or non-performance by a party hereto caused by the occurrence of any event of FORCE MAJEURE shall not:

(a) Constitute a default or breach of the CONTRACT,

Or

(b) Give rise to any claim for damages or additional cost or expense occasioned thereby, if such delay or non-performance is caused by the occurrence of any event of FORCE MAJEURE. FORCE MAJEURE conditions are not payable under any circumstances.

Force Majeure is no one's fault; therefore, each party should bear its own cost and a provision to terminate the CONTRACT in case of Force Majeure extending beyond six (06) month is provided. Should OWNER wish the CONTRACTOR to continue further, both parties may sit together and mutually agree on the future course failing which Parties will have the right to terminate.

Such termination shall not be considered as Termination for Owner's Convenience. However, outstanding invoices, payment for supplies made and payment to the work already performed will be paid by OWNER on such termination and shall be detailed at the time of CONTRACT finalisation. CONTRACTOR shall have the right to act to mitigate the impact of the prolonged Force Majeure event in mutual consent with Owner.

FORCE MAJEURE shall not apply to any obligation of the OWNER to make payments to the CONTRACTOR under the contract.

### **35.No Breach of Contract**

The failure of a Party to fulfil any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.

### **36.Measures to be Taken on Force Majeure**

A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible.

Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

During the period of their inability to perform the Services as a result of an event of Force Majeure, the Contractor, upon instructions by the Owner, shall either:

- (a) Demobilize, in which case the Contractor shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Owner, in reactivating the Services; or
- (b) Continue with the Services to the extent possible, in which case the Contractor shall continue to be paid under the terms of this Contract and be reimbursed for additional costs reasonably and necessarily incurred.

### **37.Suspension**

The Contractor shall, on receipt of the order in writing of the Engineer-in-Charge, suspend the progress of the Works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary for any of the following reasons:

- (i) On account of any default on part of the Contractor;  
or
- (ii) For proper execution of the Works or part thereof for reasons other than the default on the part of the Contractor;  
or
- (iii) For safety of the Works or part thereof, for reasons other than those attributable to the Contractor.

The Contractor shall, during such suspension, properly protect and secure the Works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

The time for completion of the WORKS will be extended for a period equal to the duration of the suspension. The Contractor shall not be eligible for any other compensation whatsoever for such suspension, except as otherwise provided herein under.

If such suspension of WORK by OWNER delays or is likely to delay the progress of WORK or the carrying out of WORK under CONTRACT resulting in additional expenses or increased liability to CONTRACTOR, the OWNER shall pay to the CONTRACTOR all reasonable



expenses, mutually agreed between OWNER and CONTRACTOR, arising from suspension of the work by an order in writing of the OWNER provided that such suspensions of work is more than a cumulative period of ninety (90) days and provided that such suspension is not due to some fault on the part of the CONTRACTOR or a SUBCONTRACTOR.

### **38. Termination for Default**

The Owner or the Contractor, without prejudice to any other remedy for breach of Contract, by notice of default sent to the other party, may terminate the Contract in whole or in part if the other party causes a fundamental breach of contract. In such an occurrence one party shall give not less than thirty (30) days' written notice of termination to the other party.

Fundamental breaches of the Contract shall include but shall not be limited to, the following:

- (a) If the Contractor fails to remedy a failure in the performance of their obligations hereunder, within thirty (30) days of receipt of such notice of suspension or within such further period as the Owner may have subsequently approved in writing;
- (b) If the Contractor submits to the Owner a statement which has a material effect on the rights, obligations or interests of the Owner and which the Contractor knows to be false;
- (c) if the Contractor, in the judgement of the Owner has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Sub-Clause:

"corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Owner and includes collusive practice among Contractors (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Owner of the benefits of free and open competition.

### **39. Termination for Insolvency**

The Owner and the Contractor may at any time terminate the Contract by giving notice to the other party if:

- (a) The Owner becomes bankrupt or otherwise insolvent;
- (b) The Contractor becomes (or, if the Contractor consist of more than one entity, if any of its Members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary; or
- (c) In such event, termination will be without compensation to any party, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the other party.

### **40. Termination for Convenience**

The Owner, by notice sent to the Contractor, may in its sole discretion and for any reason whatsoever, terminates the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Owner's convenience, the extent to which performance of the Contractor under the Contract is terminated, and the date upon which such termination becomes effective.

In event of termination of Order/Contract, the Employer shall pay to the Supplier/Contractor the Contract Price, properly attributable to the works/supplies executed by the Supplier/Contractor as on the date of termination.

However, any sums due to the Employer from the Contractor accruing prior to the date of termination shall be deducted from the amount to be paid to the Supplier under this Order/Contract.

#### **41. Termination because of Force Majeure**

The Owner and the Contractor may at any time terminate the Contract by giving notice to the other party if, as the result of Force Majeure, the Contractor is unable to perform a material portion of the Services for a period of not less than sixty (60) days.

#### **42. Cessation of Services**

Upon termination of the Contract by notice of either Party to the other pursuant to GCC Clauses 39 to 41, the Contractor shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum.

#### **43. Payment upon Termination**

Upon termination of this Contract pursuant to GCC Clauses 39 to 41, the Owner shall make the payments to the Contractor for Services satisfactorily performed prior to the effective date of termination.

#### **44. Disputes about Events of Termination**

If either Party disputes whether an event specified in GCC Clause 39, 40 or 41 has occurred, such Party may, within forty-five (45) days after receipt of notice of termination from the other Party, refer the matter to arbitration pursuant to GCC Clause 45, and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

In the case of disagreement between the Parties as to the existence or extent of Force Majeure, the matter shall be settled according to GCC Clause 45.

#### **45. Settlement of Disputes**

##### **Adjudicator**

Managing Director (MD) of HURL shall be the Appointing Authority for Adjudicator. Adjudicator under the Contract shall be retired judge of Supreme Court/High Court of India.

If any dispute of any kind whatsoever shall arise between the Owner and the Contractor in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the services—whether during the progress of the work or after their completion and whether before or after the termination, abandonment or breach of the Contract—the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference by mutual consultation, then the dispute shall be referred in writing by either party to the Adjudicator, with a copy to the other party.

The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a dispute being referred to it. If the Adjudicator has done so, and no notice of intention to commence arbitration has been given by either the Owner or the Contractor within fifty-six (56) days of such reference, the decision shall become final and binding upon the Owner and the Contractor. Any decision that has become final and binding shall be implemented by the parties forthwith.

Should the Adjudicator resign or die, or should the Owner and the Contractor agree that the Adjudicator is not fulfilling its functions in accordance with the provisions of the Contract, another Adjudicator shall be jointly appointed by the Owner and the Contractor. Failing agreement between the two within twenty-eight (28) days, the new Adjudicator shall be appointed at the request of either party by the Appointing Authority. Expenses incurred in the process of adjudication including the fees required to be paid to the adjudicator, if any, shall be shared equally between the Owner and the Contractor.

## **Arbitration**

If either the Owner or the Contractor is dissatisfied with the Adjudicator's decision, or if the Adjudicator fails to give a decision within twenty-eight (28) days of a dispute being referred to it, then either the Owner or the Contractor may, within fifty-six (56) days of such reference, give notice to the other party, with a copy for information to the Adjudicator, of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with above clause, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Services.

Any dispute submitted by a party to arbitration shall be heard by an arbitration panel composed of three arbitrators, in accordance with the provisions set forth below.

The Owner and the Contractor shall each appoint one arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the two arbitrators do not succeed in appointing a third arbitrator within twenty-eight (28) days after the latter of the two arbitrators has been appointed, the third arbitrator shall, at the request of either party, be appointed by the Appointing Authority as given below:

(a) President, Institution of Engineers in case of an Indian Contractor.

(b) President, International Chambers of Commerce, Paris in case of a Foreign Contractor.

If one party fails to appoint its arbitrator within forty-two (42) days after the other party has named its arbitrator, the party which has named an arbitrator may request the Appointing Authority to appoint the second arbitrator.

If for any reason an arbitrator is unable to perform its function, the mandate of the Arbitrator shall terminate in accordance with the provisions of applicable laws as mentioned under the Clause related to Governing Law and a substitute shall be appointed in the same manner as the original arbitrator.

Arbitration proceedings shall be conducted

(i) In accordance with the following rules of procedure: -

(a) In case of a foreign Contractor, the arbitration proceeding shall be conducted in accordance with the United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules of 1976.

(b) In case of an Indian Contractor, adjudication/Arbitration proceedings shall be conducted in accordance with Indian Arbitration and Conciliation Act 1996. In case the Indian Contractor is an Indian Public Sector Enterprise/Government Department (but not a State Govt. Undertaking or Joint Sector Undertaking which is not a subsidiary of Central Govt. Undertaking), the dispute arising between the Owner and the Contractor shall be referred for resolution to a Permanent Arbitration Machinery (PAM) of the Department of Public Enterprises, Government of India.

(c) In case of a foreign collaborator/associate of the Contractor, the arbitration proceedings shall be conducted in accordance with the United Nation Commission on International Trade Law (UNCITRAL) Arbitration Rules of 1976.

(ii) In New Delhi, India (Place for Arbitration)

(iii) In the language in which this Contract has been executed.

The decision of a majority of the arbitrators (or of the third arbitrator chairing the arbitration, if there is no such majority) shall be final and binding and shall be enforceable in any court of competent jurisdiction as decree of the court. The parties thereby waive any objections to or claims of immunity from such enforcement.

#### **46.Fraud Prevention Policy**

The Supplier along with their associate / collaborator / subcontractors / sub-vendors / consultants / service providers shall strictly adhere to the Fraud Prevention policy of the Employer displayed on its tender website <http://www.hurl.net.in>.

The Supplier along with their associate / collaborator / subcontractors /

sub-vendors / consultants / service providers shall observe the highest standard of ethics and shall not indulge or allow anybody else working in their organization to indulge in fraudulent activities during execution of the Contract (Purchase Order/Service Order).

The Supplier shall immediately apprise the Employer about any fraud or suspected fraud as soon as it comes to their notice.

#### **47.Risk purchase**

In the event Contractor fails to execute the services in scheduled completion period, HURL reserves the right to get the job executed from any other source at the Contractors risk and cost and the difference in cost shall be borne by the Contractor.

Further, HURL shall retain the right of forfeiture of Performance Security and or any other action as deemed fit.

**HINDUSTAN URVARAK & RASAYAN LIMITED**  
(A JOINT VENTURE OF CIL, NTPC, IOCL, FCIL & HFCL)



**SECTION – III**

***SPECIAL CONDITIONS OF CONTRACT***  
***(SCC)***

## **1. Bid Validity**

Bids shall remain valid for 90 days after the bid closing date. A bid valid for a shorter period will be considered as non-responsive and be liable to be rejected.

## **2. Date of Start of Contract**

To be intimated after award of contract.

## **3. Contract Period**

Contract Period shall be for “Two Years” from the date of start of the contract. The contract period may be extended up to one year if it is felt necessary with same terms and conditions and will be the sole discretion of HURL.

## **4. Contract Price Variation**

The price will remain firm during the contract period and no escalation, on any account, shall be payable. The bidder should quote by considering the minimum wages revision as per Central Govt. guidelines for the period of contract.

Minimum wages shall be in view of the notification issued by Central Govt., from time to time. This condition shall supersede any other clause of minimum wage mentioned anywhere in the tender document.

## **5. Variation in the Contract**

Contract value may vary for an amount not exceeding  $\pm 25\%$  of the original contract value.

## **6. Insurance**

The contractor shall take all safety majors to work in Plant area at his own cost. In case non-compliance of instruction, suitable penalty may be levied. For the same the contractor shall take insurance cover for the personals deputed.

## **7. Performance Bank Guarantee (PBG) / Security Deposit (SD)**

Successful bidder (bidder who is awarded for work) shall submit a Performance Bank Guarantee (PBG). The value of BPG must be 10% of the award value of the contract. The PBG must be submitted before submission of first R A Bill.

If the successful bidder is not able to submit PBG within the stipulated time interval, the bidder may opt for deduction of 10% from each **R. A. Bill** as security deposit (SD).

## **8. Payment Terms**

Payment shall be released within 30 Days from the date of receipt & acceptance of Materials at HURL, GKP Store.

The agency shall pay applicable GST and claim it along with RA Bills. The vendor has to ensure that invoices raised on HURL be properly uploaded in GST portal and ensuring of prompt filing of returns.

GST portion as claimed in the invoices will be released after reflecting of the same in GSTR -2B.

Income Tax TDS as per rules shall be deducted from the bills of the contractor as per applicable laws.

Finance Act 2021 has brought amendments in existing TDS/TCS Sections and has introduced new Sections 194Q (Deduction of tax at Source on payment of certain sum for

purchase of goods) and 206AB (Special provision for deduction of tax at source for non-filers of income-tax return) among others. The above Sections is effective from 1st July, 2021.

HURL, being Buyer (under Section 194Q inserted in the Income Tax Act, 1961 vide Finance Act 2021) having total sales, gross receipts, or turnover from business above Rupees Ten Crores during the Financial Year 2022-23, will deduct TDS under Section 194Q, w.e.f. 01.04.2023, at the prescribed rate of 0.1% on the purchase value of any goods, aggregate of which is exceeding the threshold limit of Rs.50 Lakhs in a Financial year 2023-24 onward.

Accordingly, Vendors/Sellers are not to collect tax at source under section 206C (1H) of the Act w.e.f. 01.04.2023, in case provisions of section are applicable to them.

- 9.** The work should be carried out as per the direction of EIC. Discrepancy, if any, the decision of EIC is binding to the contractor.
- 10.** The contractor or his authorized representatives shall attend HURL Office on daily basis for receiving the instructions.

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**SECTION – IV**

**(SCOPE OF WORK / TECHNICAL SPECIFICATION)**



## **SECTION A**

### **1.0 Technical specification of Cooling Tower System & Treatment programme**

#### **Details of the Cooling Water System:**

##### **Cooling Towers:**

HURL Gorakhpur Fertilizer complex consists of NG Steam Reforming based Ammonia Plant of capacity 2200 MTPD and Single stream Urea Plant of Capacity 3850 MTPD, Captive Power Plant integrated with Steam Generation Plant, Ammonia Storage facilities, Water Treatment Plants, Cooling Water system, Effluent Treatment plant, Bagging Plant etc.

	<b>Ammonia</b>	<b>Urea</b>
Make	HAMON SHRIRAM COTTRELL PVT LTD	HAMON SHRIRAM COTTRELL PVT LTD
No of Cells	(8 +1)	5 + 1
Type	Counter flow Induced Draught	Counter flow Induced Draught
Temp in/out Deg. C	43 / 33	43 / 33
Cooling Water circulation (Normal/Design) M3/Hr	27496/32000	16395/20000
Design Cooling water pressure	4.9 Kg/cm2	4.5kg/cm2

The basin of each cell of the cooling towers will have provision to isolate for maintenance. Riser to top of each cell from the CWR header will have isolation valves.

#### **2.0 System Volume and Blow-down:**

Capacity of one cooling tower cell is 4000 M3/Hr

*Blowdown value and System Volume details are as under:*

	<b>Ammonia Cooling Tower</b>	<b>Urea Cooling Tower</b>
Circulation Rate, m <sup>3</sup> /hr	27496/32000	16395/20000
Hold up volume, m <sup>3</sup>	15000	10500
Evaporation loss, m <sup>3</sup> /hr	489 M3/Hr (Design condition)	306 M3/Hr (Design condition)
COC	5	5
Blowdown M3/Hr	122	76
Drift loss M3/Hr	0.005 % of design flow	0.005 % of design flow

<b>HURL-CHEMICAL DOSING SYSTEM FOR AMMONIA COOLING TOWER AND UREA COOLING TOWER</b>		
<b>SULPHURIC ACID SYSTEM</b>		
<b>Sr.No .</b>	<b>Description</b>	<b>Capacity</b>
1	H2SO4 Bulk storage tank capacity	59 m3 (2 NOS)
2	H2SO4 Feed/Unloading pump capacity	5 m3/hr (1W+1S)
<b>CHLORINE DIOXIDE SYSTEM FOR ACT AND UCT</b>		
<b>Sr.No .</b>	<b>Description</b>	<b>Capacity</b>
1	HCL Bulk storage tank capacity	16m3
2	NACLO2 Bulk storage tank capacity	16m3
3	NAOCL Bulk storage tank capacity	16m3
4	Sodium Sulphate tank capacity	1m3
5	Lime Solution tank capacity	1m3
6	HCL Unloading pump capacity	10m3/hr (1W)
7	NACLO2 Unloading pump capacity	10m3/hr (1W)
8	NAOCL Unloading pump capacity	10m3/hr (1W)
9	ACT CLO2 Generator capacity	8.5Kg/hr (2W+1S)
10	UCT CLO2 Generator capacity	5 Kg/hr (2W+1S)
<b>CHEMICAL DOSING FOR AMMONIA COOLING TOWER</b>		
<b>Sr.No .</b>	<b>Description</b>	<b>Capacity</b>
1	H2SO4 Day tank capacity	2000 LITERS
2	H2SO4 Dosing pump capacity	100 LPH (1W+1S)
3	Corrosion inhibitor pump capacity	6 LPH (1W+1S)
4	Antifoulant-1 pump capacity	6 LPH (1W+1S)
5	Antifoulant-2 pump capacity	6 LPH (1W+1S)
6	Antiscalant pump capacity	6 LPH (1W+1S)
<b>CHEMICAL DOSING FOR UREA COOLING TOWER</b>		
<b>Sr.No .</b>	<b>Description</b>	<b>Capacity</b>
1	H2SO4 Day tank capacity	2000 LITERS
2	H2SO4 Dosing pump capacity	100 LPH (1W+1S)
3	Corrosion inhibitor pump capacity	6 LPH (1W+1S)
4	Antifoulant-1 pump capacity	6 LPH (1W+1S)
5	Antifoulant-2 pump capacity	6 LPH (1W+1S)
6	Antiscalant pump capacity	6 LPH (1W+1S)

## 2.1 **Filtration**

Side stream Filtration	ACT (Ammonia cooling tower)	UCT (Urea cooling tower)
Capacity	660M3	440M3
Type	Automatic valve less gravity filter	Automatic valve less gravity filter

## 2.2 **Chlorination and Acid Dosing System:**

Following dosing system are available for the cooling water systems:

- (a) Sulphuric acid dosing system for maintaining pH of the circulating water system.
- (b) Chlorine dioxide shall be used as Oxidizing biocide. Dosing rate should be minimum 0.5 ppm on hold up volume for 4 hour per shift in a day to maintain the residual CLO<sub>2</sub> 0.2 to 0.5 mg/L in the return header. Vendor can suggest dose rate and duration over and above to ensure 0.2 – 0.5 ppm is maintained round the clock basis.
- (c) Chemicals dosing pumps and Chemicals storage tanks are installed by M/S TOYO and details are attached

## **CHEMICAL DOSING SYSTEM FOR AMMONIA COOLING TOWER AND UREA COOLING TOWER**

*Cooling Water Heat Exchangers and Operating Temperatures:*

### **Ammonia Plants:**

Shell and tube heat exchangers with water mostly on tube side are in operation. The Material of construction are attached in Annexures-I. It may be noted that maximum temperature on process side is about 195 0C and cooling water outlet is 43 0C.

### **Urea Plants:**

The material of construction is generally stainless steel in heat exchangers. The MOC of various important heat exchangers in Ammonia & Urea Plants on the process and water side are listed in Annexure (A) and (B).

## 2.7 **Make-Up water Characteristics:**

Make of water flow (Normal) for ACT: 593.65 M<sup>3</sup>/HR and for UCT: 360.45 M<sup>3</sup>/HR  
The make-up water to the Cooling water system is supply from treated water storage tank from WTP Plant.

The make-up water and recirculating cooling water quality are as given in the following table:

### 2.7.1 **Raw Water Analysis:**

S.No	Parameter	Unit	Raw Water
1	pH @ 27°C	-	7.8

2	Turbidity	NTU	20
3	Conductivity @ 27°C	µs/cm	430
4	TDS	ppm	314
5	TSS	ppm	11
6	Calcium	ppm as CaCO <sub>3</sub>	100
7	Magnesium	ppm as CaCO <sub>3</sub>	96
8	Sodium	ppm as Na	16
9	Potassium	ppm as K	2
10	Iron	ppm as Fe	0.05
11	Zinc	ppm as Zn	0.02
12	Manganese	ppm as Mn	0.01
13	M-alkalinity	ppm as CaCO <sub>3</sub>	156
14	Chlorides	ppm as Cl	18
15	Sulphate	ppm as SO <sub>4</sub>	48
16	Nitrate	ppm as CaCO <sub>3</sub>	0.5
17	Total hardness	ppm as CaCO <sub>3</sub>	196
18	Reactive silica	ppm as SiO <sub>2</sub>	10-30
19	Colloidal silica	ppm as SiO <sub>2</sub>	5

### 2.7.2 Clarified Water Analysis, Filtered Water Analysis & Treated Water Analysis:

S. No	Parameter	Unit	Clarified water	Filtered Water	Treated Water
1	pH	-	6.5 - 7.8	6.5 - 7.8	6.5 - 8.5
2	TSS	ppm	5	5	<1
3	Calcium	ppm as CaCO <sub>3</sub>	100	100	100
4	Magnesium	ppm as CaCO <sub>3</sub>	96	96	96
5	Sodium	ppm as CaCO <sub>3</sub>	34.8	34.8	34.8
6	Potassium	ppm as CaCO <sub>3</sub>	2.558	2.558	2.558
7	Iron	ppm as CaCO <sub>3</sub>	0.0895	0.0895	0.0895
8	Bicarbonate	ppm as CaCO <sub>3</sub>	147.85	147.85	147.85
9	Chloride	ppm as CaCO <sub>3</sub>	28.476	28.476	28.476
10	Sulphate	ppm as CaCO <sub>3</sub>	56.72	56.72	56.72
11	Nitrate	ppm as CaCO <sub>3</sub>	0.403	0.403	0.403
12	Silica	ppm as CaCO <sub>3</sub>	15-30	15-30	20-30
13	Colloidal silica	ppm as CaCO <sub>3</sub>	5	5	5
14	Turbidity	NTU	< 20	<5	<2

### 2.7.3 Cooling water make water and cooling water recirculation Limits

Parameters	Unit	Min	Max	CW Limits	Makeup Limits
pH		6.4	8.3	7.4-7.8	8.3
Total Alkalinity as CaCO <sub>3</sub> mg/l	ppm			200	65-85
TDS		500	2000	2200	600
Turbidity	NTU			20	5
Ortho Phosphate	ppm			6--8	-
Organic Phosphate	ppm			2.0-3.0	-
Total iron	ppm			<1	0.08
Nitrate as a NO <sub>3</sub>	ppm			40 (max)	8
Zinc as Zn, mg/l	ppm			1-2	0.3
Ca Hardness as Ca <sup>2+</sup>	ppm			600	110
Total Hardness as CaCO <sub>3</sub>	ppm			900	180
Mg Hardness as Mg <sup>2+</sup>	ppm			350	70
Silica as SiO <sub>2</sub>	ppm			100	15-30
Sulphate as SO <sub>4</sub> , mg/l	ppm			850	150 20
Conductivity	MicroS/cm	700	3120	3500	
COD	ppm	13	30	70	12
BOD (3 days at 270 ° C)	ppm			15	3
Oil & Grease	ppm			Nil	Nil
Chloride as Cl,	ppm	56	172	<350	30
Manganese as Mn	ppm			<0.25	<0.05
Total Chromium as Cr	ppm			<0.05	<0.01

### 2.8 Cooling Water Treatment Programme :

Both the cooling towers have common cooling water treatment facilities. Design of formulation & chemical dosing systems and side streams are based on the cooling water and make up water analysis.

- Corrosion and Scale inhibitor (Zinc – phosphonate)
- Scale Dispersant
  - Polymeric Dispersant
  - Bio Dispersant
  - Oxidizing Micro biocide
  - Non-oxidizing biocide
  - CLO2

#### **SECTION – B**

### **3.0 Technical Section of Tender Document for Cooling Water Treatment Programme** **Technical Requirements for Proposed Cooling Water Treatment Programme**

#### **3.1 General Requirements for Cooling Water Treatment package:**

- a) HURL Gorakhpur requires vendors to provide Non-Chromate, ortho-phosphate- Zinc, based cooling water treatment package for Ammonia and Urea Cooling Towers. The cooling water treatment shall comprise of Zinc as the cathodic inhibitor and stabilized ortho-phosphate as the anodic inhibitor combined as a single formulation. Individual chemicals as cathodic and anodic inhibitors in basic chemical form are not acceptable. The products offered should be field tested and proven.
- b) A dedicated scale inhibitor- cum-dispersant shall also be included in the programme for dispersion of iron, general scale, and sludge and to take care of chances of scaling due to operation at high pH. Treatment should ensure no scaling in the heat exchangers. There should not be reduction in heat transfer capacity of heat exchangers, due to fouling or formation of deposits.
- c) Effective control of biological growth shall be provided by using suitable biocide, bio-dispersant together with chlorine dioxide. Vendor should quote for 3 or more non-oxidizing biocides. Doses should correspond to MIC of the particular biocide.
- d) It is desirable to have continuous dosing of chemicals preferably by metering pumps for good control. For solid dosing, vendor should mention the method of dosing.
- e) Blow down should be suitable for discharge into the inland surface water drains which should be within the IS: 2490 (1981) this IS is withdrawn may please look and MINAS specifications. Chemicals and treatment programme should meet this requirement without exception. The SRB limits in make-up water shall be **5 Nos. per 100 ml (normal) and 20 Nos. Per 100 ml (max.)**. Vendors should mention the water blow- down after each non-

oxidizing biocide dosage at percent (%) of system volume and quantity. Excess blow down or make up if resorted to without valid reasons, HURL reserves the right to recover the cost of excess water consumed along with cost of chemicals from the party.

- f) Treatment program should be capable of sustained operation under the prevailing conditions and should be able to tolerate, ingress of ammonia, urea dust and oil, etc. Details of contingency limits are indicated at **3.3** below.
- g) Changeover of cooling water treatment shall be on line i.e. without plant interruption. On line changeover chemicals, if required, shall be indicated separately but form a part of the contract.
- h) Chemicals shall be supplied in new HDPE containers. The containers must be properly sealed and also shall be labelled properly with name, brand name, batch no, expiry date etc. Each batch of chemicals should have test certificate that all the chemicals are bio-degradable (preferably within 24 hrs), environment friendly and do not fall under banned category.
- i) Total quantity of chemicals, to be supplied by the Vendor, should be adequate for 365 days operation of the plant in a year.
- j) During the tenure of the treatment, if corrosion rates are within permissible limits, vendor shall optimize the use of chemicals in consultation with Engineer-in-charge without compromising on the water quality and guaranteed parameters.
- k) Vendors are advised to visit plant site and submit proposal only after extensive plant survey, ascertaining quality of makeup, circulating water, blow down, equipment metallurgy etc. Vendor shall assess the requirement of usage of each chemical and will quote appropriate dosages to meet the guarantees. Vendor is free to quote chemicals over and above the chemicals specified in the price bid to meet the guarantees.
- l) Vendor shall provide analytical method of analysis along with active content & their value in bulk chemicals.

HURL has the right to check the analysis of the lot of the bulk chemicals received on random basis (minimum four times in a year), in its own lab or from a reputed lab outside. In case active ingredient is lower with respect to minimum of the value specified by party, deduction from the delivered cost on prorata basis, shall be done for said total chemical supplied in that lot.

In addition to above, cost of testing if done from lab other than HURL's own laboratory, shall be borne by vendor for such case. However, in case the test results are within specified limits, cost of testing shall be borne by HURL. No credit shall be given to vendor for supplying chemical having higher than quoted active ingredient.

Corrosion Inhibitor	% of Total phosphate as PO <sub>4</sub> ,% of Zinc as Zn
Dispersant: (minimum)	% of Organo-phosphonate Sequestration value mg/ml

Bio dispersant	% Active ingredient & physical property
NaClO <sub>2</sub>	% active content
Non- Oxidizing Biocide	as described in clause 3.2.3

- m) Vendor shall carry out daily water analysis to monitor the necessary treatment package. The analysis shall be done in the HURL Laboratory under the supervision of HURL Lab SIC. HURL has the right to check the analysis. However, for analysis of chlorine dioxide and Zinc, spectrophotometer shall be provided by the vendor. All reagents for testing/analysis in the scope of vendor.
- n) Corrosion coupon will be assessed jointly by HURL and vendor and the corrosion coupon will be provided by HURL.
- o) Microbiological analysis will be carried out by Vendor in consent of HURL representative, as mentioned at clause no 3.7.2.

## **3.2 CW Treatment Scheme**

### **3.2.1 pH Control**

Treatment program should be designed in such a way that the pH of circulating water in return header is kept within 7.0-8.0. pH in circulating water shall not be allowed to go below 6.8 at any time. Vendor shall maintain the same with his treatment. During exigencies when pH goes higher than specified values, pH can be maintained by dosing concentrated sulphuric acid. When pH goes below the specified value vendor shall be permitted to control pH by dosing Soda Ash, if so required. pH reduction can take place under following conditions.

- i) Microbiological activities.
  - ii) Ingress of acidic gases/ leakage in heat exchangers.
- a) pH reduction due to microbiological activity should be avoided. In case of such occurrence, reasons for such an occurrence shall be established to the satisfaction of HURL and corrective action must be taken immediately for which vendor shall use biocide.

If pH reduction is due to other reasons, the contractor may be allowed by HURL to use Soda Ash. Bidder shall intimate the quantities of Soda Ash to be consumed for each cooling tower separately in techno-commercial bid. Price of Soda Ash shall be indicated in the price bid.

- b) In case of pH reduction due to ingress of acidic gases, soda ash dosing shall be permitted for pH correction which will be in HURL account. Such dosing shall be decided by mutual consent in writing prior to start of dosing.



Soda ash required for dosing under all conditions shall be arranged by bidder. Soda ash supplied shall be of 95- 99 % content of Na<sub>2</sub>CO<sub>3</sub> (by wt.)

### 3.2.2 **Corrosion Inhibitor and Anti-scaling Dispersant:**

The treatment program should be capable of maintaining corrosion rate less than 2 mpy on MS un-passivated sand blasted corrosion coupons manufactured as per ASTM D 2688 & IS 8188-2009, to be supplied by vendor in consultation with HURL and shall be installed in return header every month in each cooling tower. Corrosion racks and necessary fittings are in the scope of HURL.

The corrosion coupons shall be sealed by HURL and party's representative will be associated with such sealing. All keys shall be kept with plant authorities.

Party should give percent (%) composition of total phosphate & Zinc in their corrosion inhibitor. **Normal of 7 ppm of total inorganic phosphate and 1 ppm of zinc** is preferred to be maintained by regular chemical dosing at all times. Bid evaluation shall be done based upon the quoted quantity and active content in the formulation by the vendor.

- a) The scale inhibitor cum dispersant shall take care of chances of scaling due to operation at high pH and high temperature. Procedure for analysis of dispersant in circulating cooling water is essential along with the technical bid. To take care of the adverse effects of higher pH during monsoon season, doses of dispersant are to be maintained on sufficiently higher side to avoid scale formation in critical exchangers where cooling water is on shell side with low velocity. The dispersant offered should be proven and supporting documents for the same to be provided.
- b) In case of some critical exchangers, a need may arise for localized (satellite) dosing of dispersant. The Vendor should be ready with necessary arrangements for the same. Doses of dispersant should be selected accordingly.
- c) **Dispersant Test:** Recommended dispersant should give **min. 95 % of Ca<sub>3</sub> (PO<sub>4</sub>)<sub>2</sub> inhibition test at 50 % of the recommended dose level under test condition** which are pH 8, Ortho PO<sub>4</sub>: 8 ppm, temperature 70°C and Ca hardness 500 ppm as CaCO<sub>3</sub> in presence of total iron less than 1 mg/ lit in cooling water system. HURL reserves the right to test the dispersant.

### 3.2.3 **Micro Biological Control:**

- i. Chlorine dioxide shall be dozed with a chlorine dioxide generator to maintain a free residual chlorine level of minimum 0.2 to 0.5 ppm in return header of each cooling tower.
- ii. At least three non-oxidizing biocides out of the following suggestive biocides are to be recommended by the vendor so as to achieve the guaranteed figure as per Clause No.3.7. Minimum active content of biocide and ppm dose based on hold up volume for effective bio control shall be as follows: -

S. No.	Biocide type	Minimum % active content	Minimum ppm dose based on hold up
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1	Quaternary Ammonium compounds (QUAT)	40	30
2	Carbamate based	40	50
3	Isothiozoline based	1.4	30
4	Methylene bis thiocynate (MBT) based	10	30
5	Diclorophene based	40	30

Minimum dosing frequency of non-oxidising biocide **will be once in two weeks per tower and a minimum of 26 doses per year per tower**, preferably with sequential dosing. Changes in the biocides, if any, will be reviewed after actual application and monitoring of the system.

- iii. Party shall submit procedure for analysing active ingredients of all the offered biocides. If offered biocide active contents and/or dose are less than the above, HURL reserves the right to reject the bid technically or modify the dose to arrive at aforesaid minimum requirement and load the additional quantity. If offered concentration/dose is more than specified above, then offered quantity shall be considered for evaluation. Vendors can also quote biocides other than listed above. However, vendor shall submit adequate proof that the offered non-oxidizing biocide with indicated active ingredient and dosage has been used successfully for at least 2 years in other Ammonia/Urea cooling towers, backed up by user certificate.

Effectiveness of biocide at quoted levels can be independently verified by HURL through certified laboratories. If dosage level is found inadequate, then quantity can be enhanced by HURL, cost of which will be borne by vendor. Result of test will be binding on the party.

- 3.2.4 A dedicated bio-dispersant (100% active EOPO) shall be dosed on continuous basis to keep the system free from bio-film formation. **Minimum dosage of 3.0 ppm of bio dispersant** in circulating water is to be maintained.

#### **Operating Parameters:**

In addition to details specified above, the vendor should also consider the following, while designing the treatment.

- a) Holding time index / large system volume and limitation in blow down rate. COC is preferred to be in the range of 5-6. However, vendor shall assess the requirement based upon actual operating data available with the Unit.
- b) Water quality as specified at **2.7.2**
- c) High temperatures in the CW heat exchangers (both on process and CW sides)
- d) Material of construction of heat exchangers as given **at Annexure –I (A) to (D)**
- e) Nitrifying bacteria, preferably <25 counts/ml on monthly basis.

Vendor will provide following circulating water parameters to be measured on daily basis:

Parameter	Unit	Normal	Maximum *
pH			
Free residual chlorine ppm as Cl <sub>2</sub>			-
Chlorine Dioxide (ClO <sub>2</sub> )			
Oxygen reduction potential (ORP)			
Turbidity			
Total hardness as CaCO <sub>3</sub>			
Calcium hardness as CaCO <sub>3</sub>			
Zinc ppm			
Ortho phosphate as PO <sub>4</sub> (ppm)			
Total Phosphate ppm PO <sub>4</sub>			
Scale Dispersant ppm			
Silica as SiO <sub>2</sub>			
Bio dispersant			
Chloride as Cl			
Cycle of Concentration			
M alkalinity as CaCO <sub>3</sub>			
Iron content			

Maximum value shall be applicable based on the quality of make-up water as mutually agreed before starting the treatment. It is desired that normal control limits should not be crossed. In case of exceeding the normal limits, necessary information shall be conveyed to Production In- charge and corrective action taken immediately.

### 3.3 **Contingency Treatment:**

3.3.1 The vendor shall have a contingency treatment program to take care of the effect of various contaminants: The limits contaminants in CW Circulating water shall be as follows.

Contaminants	Ammonia CT PPM (Max)	Urea CT PPM (Max)
Ammonia	40	40
Urea	10	10
Oil	10	10
CO <sub>2</sub>	5	5
Iron	2	2

3.3.2 Contingency shall be decided at the time of its occurrence by mutual consent in writing by HURL. Same shall be approved by Unit In-charge prior to the start of contingency treatment. A contingency shall be declared if disturbed condition persists for 48 hrs.

(forty-eight hours) for Ammonia and Urea and immediately on detection of oil. The bidder should indicate the details of chemicals to be used along with quantity for meeting each contingency for each tower separately. This treatment shall remain effective for 72 hours.

In case, the contingency like leakage of cooling water from underground header etc., is not controlled within a reasonable time and HURL decides to continue with it in order to avoid plant interruption, then the modalities of using additional chemicals shall be discussed and agreed mutually. The continuation of contingency as well as additional expenditure on this account shall require prior approval of the Unit In-charge.

### **3.4 Alternative chemicals for water treatment**

The contractor may sometimes find it necessary to change one or two chemicals during the treatment based on his experience regarding efficacy of the chemical in use. Since the contractor shall be in a better position to know regarding nature of make-up water, circulating water and effectiveness of the treatment, after carrying out the treatment for some time, allowing use of alternative chemicals is considered in the interest of achieving better results.

For this purpose, vendor shall specify all such alternative chemicals along with their unit rates in the quotation itself. Main chemical shall be taken for the purpose of bid evaluation and calculating guaranteed cost. Any chemical not in bidding list, if needed can be agreed after mutual discussion and prior approval of Unit In-charge. **However, the overall guaranteed cost shall remain the same.**

### **3.5 Mobilization Period & stabilization period:**

Mobilization period for starting the treatment shall be one month maximum from the award of contract. However, Contract period for the purpose of calculation of the number of days shall be with effect from the actual date of start of treatment program, which is to be verified by HURL site Engineer-in-Charge.

Stabilization period shall be one month (max.) from the start-up of the Cooling Water Treatment.

### **3.6 Monitoring:**

#### **3.6.1 Monitoring Tools:**

Vendor should be equipped with gadgets for monitoring the health of the cooling water system, including simulation capabilities for trouble-shooting. Gadgets for studying fouling factor, heat flux etc. on line shall be required. Vendors should clearly mention the details of the monitoring instruments which will be supplied free of cost with the package for use at site on returnable basis.

- a) Details specification for instruments: -

**Coupon Racks Assembly:** Corrosion coupon racks with four coupon holders (2 Nos. C.S. + 2 No. SS) are **provided by HURL for** monitoring corrosion rate and pitting rate in ACT & UCT CW return headers & one Coupon rack in cooling water make up header. Vendor may used this setup for corrosion coupons.

The coupon racks along with accessories like flow meters, flow control valves, orifice fittings, pressure gauges & test coupons with stipulated specifications shall be **supplied and installed by the vendor** in the lockable cabinet & sealed for safe custody of coupons during the treatment.

All Corrosion Coupons Racks shall be provided with Rota meters (0-100 LPM) at inlet for flow measurement & checking. The corrosion coupons shall be jointly inspected by HURL and Vendor representative before installation and after removal.

CW Velocity across the rack shall be 1.0 m/sec (minimum). CW Flow Rate across the Rack shall be based on Sizing & Velocity of Racks & shall be about 2.0 m<sup>3</sup>/hr. There shall not be any free flow from Rack & full-bore flow shall be ensured throughout the operation.

### **Corrosion Test Coupons Specification:**

The vendor shall supply Corrosion Test Coupons of Carbon Steel as per API 5L Gr.-B, Size

76.25 mm x 12.4 mm x 1.6 mm with a 6.4 mm hole at 6.2 mm from one of the ends. "CORTEST" make part No. 502-3-5L Gr.-B (**Non-passivated coupons**) with certification of compliance indicating specification of material, chemical composition and its mechanical properties packed in VCI bag. Corrosion coupons should have standard stain smooth surface (abrasive-120) having no curved corners and individual number stamped. Vendor should supply coupons in original packing with embedded coupon number and same number shall also be printed on outside consignment/ packing along with test certificate. The coupons with original packing will only be acceptable and shall be delivered directly HURL site.

Similarly, SS coupons (SS-304/316) shall also be as per specification.

The Certificates from Original Supplier shall be furnished by Vendor indicating Code no., Coupon no., Spec. with marking of **non-passive Coupons**. Without proper Certificates, Test Coupons will not be accepted.

Vendor shall supply & install all Test coupons & coupons rack assemblies as per above at various locations specified by HURL.

- 3.6.2** Vendor should have access to a full-fledged R & D facility of his own. The party should have properly trained team for troubleshooting of the problems associated with this cooling water treatment.

### **3.6.3 Monitoring Services:**

- a) Continuous monitoring and supervision by his specialist(s) on day-to-day basis, during normal operation.
- b) Reporting to plant personnel & submission of daily analysis report to Plant In-charge by 4.00 pm every day. Involve HURL personnel in the operation and control of the treatment.
- c) Submission of monthly report on water quality and monthly consumption of chemicals.

- d) Reports with detailed analysis and corrective actions for excess consumption of normal and / or contingency chemicals, if any.
- e) Troubleshooting as and when required through vendor's resident expert.
- f) Training of HURL personnel periodically w.r.t cooling water treatment developments.

**3.6.4** Vendor should depute two Supervisor-cum-Chemist at their cost for troubleshooting and analysis to take care of the on-going cooling water treatment. The qualification & experience in fertilizers industry cooling water treatment of the supervisors should be submitted along with the technical bid. The qualification of the Supervisor-cum-Chemist should be minimum BSc/MSc in Chemistry or Diploma/BTech Chemical with 5 years of experience in fertilizer industry.

**3.6.5** Dosing of all chemicals (regular as well as contingency) shall be the total responsibility of the Vendor. It is the duty of vendor to decide optimum dosage of chemicals in consultation with HURL Engineer-in-Charge to take care of the smooth operation of Plant.

### **3.7 Essentials/Performance Guarantees:**

Vendor will furnish the guarantees for the performance of their C.W. treatment program. Written procedure shall be submitted for analysis and ascertaining the guarantees, which shall be approved by HURL.

#### **Key Performance Parameters**

S	Parameters	Performance Guarantee Parameters
1	General Corrosion	<2 mpy for CS <0.1 mpy for SS
2	Scale forming rate	<10 mg/dm <sup>2</sup> /day
3.	Total Bacterial Count (TBC)	< 100000 colonies/ ml in CWR / per 7 days
4.	Sulphate reducing Bacteria (SRB)	< 100 MPN/ 100 ml in CWR / per 15days
5.	Iron Bacteria	< 100 MPN/ 100 ml in CWR / per 15 days
6 6.	Fouling factor and LMTD of critical HEs (Min. 20 nos. of Critical HEs, HEs to be decided by HURL)	Within 10% of initial reading
7.	COC based on Ca Hardness	5 -6
8.	Total Iron Concentration	< 1.0 mg/l in CWR
9.	Free residual ClO <sub>2</sub>	0.2 – 0.5 ppm
1	Oxidation Reduction Potential (ORP)	450 – 550 mV in CWR
1	pH	7.0 – 7.8
1	Chloride as Cl	<350 ppm

1	Nitrify bacteria	<25 counts./ml
2		

### **3.7.1 Corrosion Rate:**

The corrosion rate as measured on sand blasted MS Un-passivated Test Coupons (C 1010/ UNSV- 1010) as per ASTM D 2688 & IS 8188-2009 procedure separately for each tower should not exceed

2.0 mpy (measured in return header).

- a) Analysis shall be reported as a rational number up to one decimal place after rounding off as per procedure laid down in ASTM D 2688 & IS 8188-2009.
- b) The test coupon shall be removed normally after duration of 30 days. However, in case of any exigencies, the time limit may vary by plus/ minus 5 days after approval of Unit In-charge.
- c) In case cooling water circulation is stopped for more than 8 hours, the test coupons shall be rejected.

### **3.7.2 Micro Biological Count:**

Bidder shall guarantee cooling water system free of undesirable biological growth (to be measured every fortnight) throughout the period of operation.

- Total bacterial count (TBC) should not exceed 1 lac/ml on fortnightly basis
- Sulphate Reducing Bacteria (SRB) should not exceed 100/100 ml on fortnightly basis.

### **3.7.3 Iron in circulating water <1.0 ppm on fortnightly average of iron analyzed on daily basis.**

### **3.7.4 There should not be any tube leakage or fouling of heat exchangers due to inadequacy in the**

C.W. treatment which may result in stoppage of plant. Inspections during planned shutdowns should reveal that heat exchangers and cooling water system is in good condition without serious corrosion, pitting, scaling or fouling failing which recoveries, if any from their PBG may be made from the bidder as decided by HURL management.

### **3.8 Penalties and termination**

In case, the conditions, mentioned under the 'Guarantees', are not met, the following penalties shall be levied on a yearly basis.

#### **3.8.1 Corrosion Rate:**

- a) If the guaranteed corrosion rate for any of the Cooling Tower exceeds 2 mpy, Rs. 25,000/- (Rupees Twenty-five Thousand) per tower per failure, shall be deducted from the running bill of party for each of such failure.

- b) In addition to above deduction, if the failure occurs consecutively in following month for same tower, 20% of the SD cum PBG on prorata basis (Total SD CUM PBG amount x number of towers where failure occurred / total number of towers being treated) will be forfeited and vendor shall be given 30 days from occurrence, to rectify the same.
- c) If failure occurs third time consecutively in same tower balance amount of SD cum PBG, as defined in Clause 3.8.7, shall be forfeited and contract is liable to be terminated.

**3.8.2** If any of the three parameters, (TBC, SRB and Fe), individually exceeds the limits in any one tower mentioned above during the term of the contract, (excluding stabilization period) vendor shall be allowed to modify treatment at his cost.

However, if any one or more of the parameters remain out in a consecutive/s reading anytime during the term of the contract Rs 10000 per tower per parameter shall be deducted.

**3.8.3** HURL shall have the right to terminate the contract, in case of any eventual unsatisfactory performance due to which plant has to be stopped, notwithstanding various provisions of the contract.

**3.8.4** In case due to unsatisfactory performance of the contract, termination clause becomes operative, a termination notice of 15 days (minimum) to 3 months at the sole discretion of HURL, shall be given to the vendor. The contract shall be terminated after expiry of the notice period. During the notice period, all terms and conditions as applicable in the contract shall apply.

**3.8.5** The total liability of the vendor during one-year term of contract on account of failure to meet guarantees of corrosion rate, SRB, TBC, Fe under 3.8.1 and 3.8.2 will be limited to SD cum PBG amount, as per clause 3.8.7, plus penal amount deducted under clause 3.8.1 (a).

**3.8.6** The SD cum PBG amount will be 10% of total guaranteed order value worked out as per clause 4.3, Section -‘C’ of Annexure-IV.

**3.8.7** In case termination clause becomes operative, forfeiture of SD CUM PBG shall be as follows, in addition to liabilities under clause 3.08.1(a).

- a) If termination clause is operated within first six months of the start of treatment, total amount of SD-cum-PBG submitted (i.e. for all towers on annual basis) shall be forfeited.
- b) If termination clause is operated between seventh to ninth month of the start of the treatment, total amount equivalent to 75% of the SD cum PBG submitted (i.e. for all towers on annual basis) shall be forfeited.
- c) If termination clause is operated between the tenth to twelfth month from the start of the treatment, total amount equivalent to 50% of the SD-cum-PBG amount (i.e. for all towers on annual basis) shall be forfeited.



It is further clarified that in case any deduction has been made earlier against higher corrosion rate from SD-cum-PBG according to 3.08.1(b) or as panel amount against higher SRB, TBC, FE as per clause 3.08.2, same shall be refunded/ adjusted against the above forfeiture amount of SD- cum-PBG amount.

In case a regular contract is terminated on unsatisfactory performance, the vendor shall be put on holiday for two year for HURL.

## **Technical Section of Tender Document for Cooling Water Treatment Program**

### **SECTION-C**

#### **4.00 Instruction to Bidders for bidding documents**

##### **4.1.1 Technical Quote**

- a) Bidder shall quote for Ammonia and Urea Cooling Water treatment in respect of control parameters of circulating water, chemical dosing rate, chemical consumption, Unit rates etc.
- b) Bidder shall indicate the maximum consumption of each regular chemical to be supplied by him, for each cooling tower per month. Maximum payable/guaranteed contract amount shall be calculated for all towers taken together, on yearly consumption based on 365 days of regular operation of cooling towers as more specifically detailed at Clause 4.3.
- c) Bidder shall also mention tower-wise maximum consumption of Sulphuric Acid.
- d) After shutdown and draining of Cooling Tower, the requirement of Pre-cleaning/ Bio- cleaning and passivation chemicals as well as one extra charge required due to refilling of cooling tower, should be indicated separately in 'Price Bid Format'.
- e) Contingency chemicals and their quantities for contingency, as foreseen by Bidder (Ref para 3.3) for each cooling tower, shall be indicated separately. Same shall be included in evaluation of bid.
- f) In case of any additional shutdown during the year which has resulted in draining of the water from the cooling tower (s), the additional initial fill, pre-cleaning/bio-cleaning and passivation chemicals including biocide and bio dispersant whichever required, shall be allowed after approval of competent authority.
- g) Chemical consumption shall be calculated on the basis of Cycle of Concentration (C.O.C), blow down quantity as mentioned in 'details of existing cooling water system' in Section-A. Bidder shall furnish calculations for the same.

##### **4.2 Bid Evaluation:**

Following shall be considered for the purpose of bid evaluation only:

- For the purpose of evaluation, cost of all towers shall be clubbed together on an annual basis.

- Cost of Chemicals for regular treatment based on bidder's quotation in terms of quantity and unit rates shall be considered for 365 days of operation in a year.
- Cost of chemicals required for change over from existing treatment to new treatment as specified in Price Bid format.
- Cost of Pre-cleaning/Bio-cleaning and passivation chemicals as well as one charge required due to refilling of cooling tower, after shutdown and draining of Cooling Tower
- Cost of Contingency chemicals based on quantities indicated by bidder for each contingency and for number of contingencies as listed at clause No 3.3 for each cooling tower.
- Equivalent cost of Sulphuric Acid to be supplied by Vendor, based on maximum quantities indicated by bidder for 365 days. (Will be on HURL Scope)
- Cost of HCL, NaOCl<sub>2</sub> & NaOCL required for ClO<sub>2</sub> generation and dosing. (Will be on HURL Scope)

It is, however, clarified that guaranteed overall annual cost shall be calculated as detailed at 4.3 below.

#### **4.3 Guaranteed Overall Annual Cost**

- a) Vendor shall guarantee the overall annual cost of treatment chemicals which shall be worked out as follows. However, payment shall be released based on actual consumption of chemicals limited to overall guaranteed cost.
- b) **Guaranteed Overall Annual Cost shall be worked out as follows:**

The cost shall be clubbed for all the towers on annual basis.

Landed Cost of chemicals for regular treatment based on bidder's quotation in terms of quantity and unit rates shall be considered for 365 days of operation in a year. In case there is a variation in actual operating days, adjustment shall be made on prorata basis for either side. Any excess consumption above the adjusted quoted value shall be, to the vendor's account.

Any extra chemicals, required for change over from existing treatment to new treatment shall be mentioned separately. These shall be included in Guaranteed annual cost. Payment against these chemicals shall be made on the basis of actual consumption.

Pre-cleaning/Bio-cleaning and passivation chemicals as well as one charge for refilling of cooling tower after shutdown, should be indicated separately and shall be paid additionally, on actual consumptions. These shall not be included in Guaranteed annual cost.

The contingency chemicals as quoted by the bidders shall be included in Guaranteed overall annual cost. Payment against these chemicals shall be made on the basis of actual consumption, limited to quoted value.

**Payment against all chemicals shall be made on actuals but limited to total quoted quantity**

- c) No chemicals, shall be supplied by HURL. The chemicals like Soda Ash etc. (if

required) shall be in the scope of the Contractor.

- d) **Guaranteed cost comprises** of = Quoted landed rates including GST of Sl. Nos (1+2+6+7+9) of Price Bid Format.

#### 4.4 **Vendor's Scope**

**Vendor's scope of work, supply and services shall be as described below:**

1. Design of suitable cooling water treatment program to meet the system requirement and technical specifications.
2. Supply of chemicals for initial change over, normal operations, contingencies and extra charge for refilling of cooling tower after shutdown.
3. To provide and maintain dosing system inclusive of metering pumps for chemical dosing if required other than the existing system in HURL, including the pumps for chemicals for pH control; special instruments for monitoring the treatment program; Corrosion rack, bio-fouling monitors and scale monitors etc. free of cost to HURL, on returnable basis.
4. Supervision by Vendor's specialist(s) during initial commissioning, change over and stabilization of treatment package followed by round the clock regular supervision during normal operations. Vendor specialist shall be well qualified and experienced. Vendor shall obtain approval of bio data of his specialists from HURL prior to his appointment at site. Vendor shall depute persons for the operation and monitoring of the all chemicals dosing pumps as per the cooling tower chemicals dosing requirements.
5. Training of HURL personnel in the operation and monitoring of cooling water treatment.
6. Spectrophotometer for analyzing Chlorine dioxide along with reagent to be provided by vendor, which shall be taken back after completion of contract.
7. Sulphuric acid and chemicals for CLO<sub>2</sub> like Sodium hypo Chloride, Sodium chlorite & HCL –NaOCL 10% NaCLO<sub>2</sub> 31% and HCL-33% should be provided. Procurement will be done by HURL.
8. Vendor should keep minimum 02 months chemicals stock at HURL complex.

**The scope of work includes but not limited to the following:**

- a) Carrying out the daily water analysis to monitor the necessary Cooling tower Cooling water chemical treatment package. HURL has the right to check the analysis. Lab facilities shall be provided to you for the above analysis. However, for analysis of Chlorine dioxide and Zinc, spectrophotometer shall be provided by you. All reagents for testing/analysis are in your scope.
- b) Complete monitoring of Cooling water program and also for keeping the complete system in proper working condition by regular maintenance. Your service engineer/Chemist should be stationed permanently at HURL, Gorakhpur.
- c) Providing complete technical program support and training to HURL personnel involved in the Cooling water Treatment operation and monitoring of work.

- d) Microbial analysis shall be carried out by HURL in the presence of your representative.
- e) Dosing of chemicals, daily Monitoring, Supervision and Troubleshooting of treatment Program.
- f) Corrosion coupon will be assessed jointly by HURL and the Site in charge of Contractor.
- g) Submitting regular service reports of cooling water parameters.
- h) Suggesting remedial measures for any upset in the treatment with back up support in implementation of the same. For this bidder shall depute their application Engineer(s) at HURL, Gorakhpur on permanent basis and provide services of vendor specialist whenever required.
- i) HURL has the right to check the analysis of the lot of bulk chemicals received on random basis (minimum four times in a year), in its own laboratory or from a reputed laboratory outside. In case any active ingredient is found lower with respect to the minimum of specified value by the contractor, deduction from the delivered cost on pro-rata basis, shall be done for the said total chemical supplied in that lot. In addition to above, cost of testing if done from lab other than HURL own laboratory shall be borne by the vendor for such case. However, in case the test results are within specified limits, cost of testing shall be borne by HURL. No credit shall be given to vendor for supplying chemical having higher than quoted active ingredient. In this regard clause No. 3.1 (l) of Section B of Technical section of Tender documents may be referred. Any Transportation of chemicals from stores to cooling tower nearby dosing site is in the scope of vendor.

#### 4.5 **Owners Scope**

**HURL's scope of supply and responsibilities shall include the following: -**

- 1. Bulk chemicals storage tanks, day tanks, metering pumps and associates piping shall be provided which are installed nearer to Cooling tower at HURL Gorakhpur as per the Cooling tower design.
- 2. Power connections shall be provided to all the equipment/instruments for dozing operations and monitoring.
- 3. Laboratory assistance, to the extent available, shall be provided subject to the availability

#### 4.6 **Contents of Offer**

4.6.1 Bidder shall furnish details of the treatment program including the following: -

- a) Descriptions of program
- b) Chemicals used, giving name, code number and function i.e. passivating agent, anti-scaling, dispersant, bio-dispersant, biocide and any other specific chemicals along with active matter, concentration and percentage kill of biocides
- c) Dozing rates, monthly consumption as well as yearly consumption of chemicals for each Cooling Tower. This shall include the quantity of sulphuric acid, as well as soda ash (if required). These shall be supported by design calculations.

4.6.2 The treatment program for each cooling tower should be separately indicated for (a)

Pre- cleaning and passivation, (b) Normal Treatment, (c) Contingency treatment for each contingency tower wise.

Vendor shall submit complete procedure and time required for the change-over of the new treatment.

- 4.6.3 Detailed description of the philosophy and working of the automatic feed monitoring and dosing system (wherever applicable).
- 4.6.4 Source of supply of the chemicals, including quality control system.
- 4.6.5 Details regarding similar experience in implementing cooling water treatment programs. These shall include name, location and details of the plant, specification of treatment system, period of operation, analysis / inspection report.
- 4.6.6 Data sheets containing product specifications, special precautions for handling the chemicals, disposal of empty containers, remedial measures to be taken in case of spillage and ingress into human body etc. shall be furnished.
- 4.6.7 The chemicals shall be supplied in good quality containers. Vendor shall take back all the used containers.
- 4.6.8 The chemicals that shall be left over after the contract is closed shall normally be taken back by the vendor. However, in case, it is desired by HURL, then full/part of the left-over chemicals shall be retained by HURL.

**4.7 Availability of chemicals without interruption**

Bidder shall guarantee supply of chemicals as per agreed schedule without interruption. Normal schedule of supplies shall be every three months, such that the site inventory level does not fall below 2 month's requirements. Additional one month's chemicals are considered during transit. However, during last month of the contract period, the spare inventory of regular chemicals as mentioned above shall not fall below one month's requirement. Further, the pre-cleaning, passivation and contingency chemicals leftover at the end of the contract shall be taken back by the vendor and HURL shall recover the corresponding amount from the vendor, if already paid for.

**ANNEXURE-I****Ammonia Plant Exchangers details:**

SL No	Equipment No.	Equipment Name	MOC		CW Flow
			Shell	Tube	
1	127 C	Refringent Condenser	CS	Alloy 2205	6417
2	201 C	Blow Down Cooler	316 L SS		71
3	104 JTC	Surface Condenser for 104 JAT/JBT	CS	Duplex SS	6417
4	103 JTC	Surface Condenser for 103 JT/ 102 JT	CS	Duplex SS	6417
5	101 BJTC	Surface Condenser for 101 BJT	CS	Duplex SS	6417
6	116 C	Synthesis Gas Compressor First Inter Cooler	CS	Alloy 2205	384
7	128 C	Refrigerant Compressor Inter Cooler	CS	Alloy 2205	176
8	143 C	Feed Gas Compressor Kickback Cooler	CS	Alloy 2205	176
9	124 C1/C2	Ammonia Convertor Effluent Cooler	CS	Alloy 2205	1864
10	110 C	Co2 LP Flash Cover Head Condenser	304 SS	Alloy 2205 DSS	787
11	108 C	Lean Solution Water Cooler	316 SS	316 L SS	2128
12	115 C	Methanator Effluent Cooler	CS	Alloy 2205 DSS	569
13	174 C	Stripped Condensate Cooler	CS	Alloy 2205 DSS	302
14	196 C	Air Compressor 1st Stage Inter Cooler	CS + Alloy 2205 DSS Clad	DSS	807
15	197 C	Air Compressor 2nd Stage Inter Cooler	CS + Alloy 2205 DSS Clad	Alloy 2205 DSS	666

16	198 C	Air Compressor 3rd Stage Inter Cooler	CS + Alloy 2205 DSS Clad	Alloy 2205 DSS	513
17	173 C	LTS Start-up Cooler	CS	Duplex Alloy 2205 DSS	0

Urea Plant Exchangers details :

Sl. no	Equipment no	Name	TUBE MOC	No of tubes	Pass	Flow rate as per PFD (T/H)
1	EA 104	NH3 BY-PASS COOLER	304LSS	983	4	0
2	EA 105	TURBINE CONDENSER	Carbon steel	4902	2	2792
3	EA 111	CO2 COMPRESSOR 1ST COOLER	304LSS	2204	2	877
4	EA 112	CO2 COMPRESSOR 2ND COOLER	316SS	2012	2	1031
5	EA 113	CO2 COMPRESSOR 3RD COOLER	22% Cr. Duplex SS	912	1	790
6	EA 121	SEALING WATER COOLER	304SS	128	4	33
7	EA 402	LP ABSORBER	304SS	7010	3	3446
8	EA 403	TEMPERED WATER COOLER (Plate type)	Titanium Gr1	257 PLATES	--	1531
9	EA 501	FIRST SURFACE CONDENSER	316SS	5638	2	4463
10	EA 502	SECOND SURFACE	316SS	605	4	156

		CONDENSER				
11	EA 503	SURFACE CONDENSER FOR FINAL SEPARATOR	304SS	6804	4	2068
12	EA 506	FLASH GAS CONDENSER	316SS	1134	2	1533
13	EA 507	FINAL ABSORBER COOLER	Titanium Gr1	139 plates	--	0
14	EA 508	TREATED PROCESS CONDESATE COOLER	316SS	786	2	431
15	EA 509	FINAL SURFACE CONDENSER	316SS	707	4	179
16	EA 701	STEAM CONDENSATE COOLER	22% Cr. Duplex	795	2	73
17	EA 753	TREATED WATER COOLER	304SS	146	4	0
18	EA-U- GB101- 1-A & B	LUBE OIL COOLER FOR CO2 COMPRESSOR	Duplex S.Steel		2	160
19	U- GA101A -1-A, & U- GA101B -1-A,	LUBE OIL COOLER FOR AMMONIA PUMPS	SA-213 TP316	208	4	8
20	U- GA102A -1-A, & U- GA102B -1-A	LUBE OIL COOLER FOR CARBAMATE FEED PUMPS	SA-213 TP316	64	2	
21	U- GB101-2	GLAND CONDENSER	STAINLESS STEEL		4	50
22	DA-401	WASHING COLOUMN	316LSS	1209	2	817



**ANNEXURE-II****BOQ Format (Price not to be quoted here):**

**Note: THE BREAK UP OF PRICE FOR EACH LINE ITEM SHALL BE FURNISHED BY THE L1 BIDDER IN THE BELOW FORMAT AFTER PRICE BID OPENING.**

**FORMAT FOR PRICE BID - (COOLING TOWERS)**

(FOR CALCULATING LANDED PRICE SEE NOTES BELOW)

\*Basic Rate = Consists of all charges including Freight, Insurance, taxes and duties, if any)

**1. Regular Treatment Chemicals: \*\*\* REQUIRED FOR 365 DAYS**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity(Kg) (C1 +D1) = (F1)	Rate (E1)	Total Value (F1 x E1) =(G1)
	Quantity per Year (Kg.) based on 365days (C1)	Quantity per Year (Kg.) based on 365 days (D1)			
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**2. Online Change Over (at the start of treatment prior to commencement of stabilization period)**

**\*\*ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg)(C2 +D2 ) =(F2 )	Rate (E2)	Total Value(Rs) (F2 x E2 ) =(G2 )
	Quantity (Kg.) (C2)	Quantity (Kg.) (D2)			
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**3. Initial Fill (if required refilling) after Shutdown- \*\*ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg)(C3 +D3 ) =(F3 )	Rate (E3)	Total Value(Rs) (F3 x E3 ) = (G3 )
	Quantity for one charge (Kg) (C3)	Quantity for one charge (Kg) (D3)			
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**4. Pre-cleaning/Bio cleaning after Shutdown: \*\* ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg) (C4 + D4 ) =(F4 )	Rate (E4)	Total Value (Rs) (F4 x E4 ) =(G4 )
	Quantity for one charge (Kg) (C4)	Quantity for one charge (Kg) (D4)			
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**5. Passivation after Shutdown: \*\*ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg)(C5 +D5) = (F5)	Rate (E5)	Total Value (Rs) (F5 x E5 ) =(G5 )
	Quantity for one charge (Kg) (C5)	Quantity for one charge (Kg) (D5)			
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**6. Contingency Chemicals for Oil: \*\*ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg) (C6 +D6 ) =(F6 )	Rate (E6)	Total Value(Rs) (F6 x E6 )=(G6 )
	Quantity (Kg) for one charge (C6)	Quantity (Kg) for one charge (D6)			
				Price not be quoted here	Price not be quoted here
				Price not	Price not be

				be quoted here	quoted here
				Price not be quoted here	Price not be quoted here

**7. Contingency Chemicals for Ammonia: \*\*ONE TIME REQUIREMENT ONLY**

Description of material	Ammonia Cooling Tower	Urea Cooling Tower		Total quantity(Kg) (C7 +F7 ) =(G7 )	Rate (E7)	Total Value (Rs) (G7 x E7)=(H7 )
	Quantity (Kg) for one charge per one year (C7)	(D7)	Quantity (Kg) for Three charge perone year (D7) x 3 = F7			
					Price not be quoted here	Price not be quoted here
					Price not be quoted here	Price not be quoted here
					Price not be quoted here	Price not be quoted here
					Price not be quoted here	Price not be quoted here
					Price not be quoted here	Price not be quoted here

**8. Alternative Chemicals (As Per Para 3.4 of Section B of Technical Section)**

**\*\*\* REQUIRED FOR 365 DAYS**

CHEMICAL	Quantity	UOM

**9. Soda Ash (w.r.t Para 3.2.1 Of Section B of Technical Section) \*\*\* REQUIRED FOR 365 DAYS**

CHEMICAL	Ammonia Cooling Tower	Urea Cooling Tower	Total quantity (Kg)	Rate (E9)	Total Value(Rs) (F9 x E9)=(G9)
	Quantity (Kg) to be charged (C9)	Quantity (Kg) to be charged (D9)	(C9 +D9 ) =(F9 )		

				Price not be quoted here	Price not be quoted here
Soda Ash				Price not be quoted here	Price not be quoted here
				Price not be quoted here	Price not be quoted here

**GRAND TOTAL (Rs) = Total cost of Sl. No. (1+2 +3+4+5+6+7+9)**

**NOTE:**

1. Man, power deputation charges, Packing & Forwarding, Transportation charges, loading & Unloading of chemicals and Equipment rent is to be included in the cost of chemicals.
2. **Total Contract value shall be considered on Total Cost of Sl. No. (1+2 +3+4+5+6+7+9).**
3. The quoted rates shall be firm and valid during the currency of contract.

# **HINDUSTAN URVARAK & RASAYAN LIMITED**

(A JOINT VENTURE OF CIL, NTPC, IOCL, FCIL & HFCL)



## **SECTION – V**

### ***FORMS RELATED TO BID***

## **INDEX**

Annexure	Description
1	Techno-Commercial Proposal Bid Form
2	Format for Electronics Payment
3	Tender Acceptance Letter & Letter of authorization to submit bid
4	No deviation Certificate
5	Certificate from CEO/MD/ Legally Authorised Signatory
6	Acceptance to Fraud Prevention Policy of HURL
7	Certificate related to Restrictions on procurement from a Bidder of a country which shares a land border with India
8	Format for Declaration of GST
9	Format of Bank Guarantee for Bid Security
10	Format of Performance Bank Guarantee
11	Bank Guarantee Verification Checklist
12	Format for Contract Agreement

**TECHNO-COMMERCIAL PROPOSAL BID FORM**

**(To be Submitted on the Letter Head of Bidder)**

**Bidder's Techno-Commercial Proposal Ref. No.:**

Bidder's Name & Address :

Date:

Person to be contacted :

Designation :

Tel. No(s). :

Mobile No. :

Fax No(s). :

E-mail address :

To

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

Dear Sirs,

- 1.0 Having examined the Bidding Documents including its subsequent amendments and clarifications, if any, issued by Owner, the receipt of which is hereby acknowledged, we the undersigned, offer to complete the work under the above-named Package in full conformity with the said Bidding Documents and hereby furnish our Techno-Commercial Proposal.
- 2.0 We have understood the instructions and the terms & conditions mentioned in the Bidding Documents furnished by you and have thoroughly examined the specifications laid down by you in the Bidding Documents and are fully aware of the nature of consultancy services required.

**Attachments to the Bid form (Techno-Commercial Bid):**

In line with the requirement of the Bidding Documents we enclose herewith the following Attachments to the Bid Form (Techno-commercial) Bid:



Sr. No	Description
1	Power of Attorney as per requirement mentioned in NIT.
2	Signed, Stamped and Scanned copy of proof for payment of Earnest Money Deposit (EMD) / MSE Certificate for exemption.
3	Signed, Stamped and Scanned copy of Certificates like Registration certificate, GST No, PAN No, etc.
4	Signed, Stamped and Scanned copy of Format for Electronics Payment (Enclosed as Annexure-2 to Forms and Procedures i.e., Section V)
5	Signed, Stamped and Scanned copy of Tender Acceptance Letter (Enclosed as Annexure-3 to Forms and Procedures i.e., Section V)
6	Documents as required in accordance with Qualifying Requirements / Pre-Qualification Criteria (PQC) i.e., <u>Clause 6</u> of NIT
7	Signed, Stamped and Scanned copy of No deviation Certificate (Enclosed as Annexure-4 to Forms and Procedures i.e., Section V)
8	Signed, Stamped and Scanned copy of Certificate from CEO/MD/ Legally Authorised Signatory, in the format as enclosed as Annexure-5 to Forms and Procedures i.e., Section VI) to Bidding Document shall be furnished certifying that the data and documents furnished by them in respect of Techno-Commercial Evaluation are true and correct including the contents thereof. However, if at any point of time the declarations given in bid are found to be incorrect, HURL shall have the full right to terminate the contract and take any action as per provisions of contract including forfeiture of EMD/Security Deposit.
9	Acceptance to Fraud Prevention Policy of HURL, for which the bidder has to submit Signed, Stamped and Scanned copy of Form of Acceptance of Fraud Prevention Policy of HURL. (Enclosed as Annexure-6 to Forms and Procedures i.e., Section V).
10	Certificate related to Restrictions on procurement from a Bidder of a country which shares a land border with India” i.e. (Enclosed as Annexure-7 to Forms and Procedures i.e., Section V).
11	Declaration of GST as per Annexure- 8 to Forms and Procedures i.e., Section V
12	Any Other Document asked for in the Bidding Document

### 3.0 COMPLIANCE TO THE PROVISIONS OF THE BIDDING DOCUMENTS

- 3.1 We have read all the provisions of the Bidding Documents and confirm that notwithstanding anything stated elsewhere in our bid to the contrary, the provisions of the Bidding Documents, are acceptable to us and we further confirm that we have

not taken any deviation to the provisions of the Bidding Documents anywhere in our bid.

We have furnished our compliance to the provisions of the Bidding Documents and its subsequent Amendment(s)/Clarification(s)/Addenda/Errata by furnishing “NO DEVIATION CERTIFICATE”.

We hereby confirm that any deviation, variation or additional condition etc. or any mention, contrary to the provisions of Bidding Documents and its subsequent Amendment(s)/Clarification(s)/Addenda/Errata (if any) found anywhere in our bid proposal, implicit or explicit shall stand unconditionally withdrawn, without any cost implication whatsoever to the Owner, failing which our bid security shall be forfeited.

- 3.2 We further declare that additional conditions, variations, deviations, if any, found in the bid, shall not be given effect to.
- 4.0 We undertake, if our bid is accepted, to commence the work immediately upon your Notification of Award to us.
- 5.0 We agree to abide by this bid for a **period 180 days** from the date of opening of Techno-Commercial bids as stipulated in the Bidding Documents and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period.
- 6.0 Until a formal Contract Agreement is prepared and executed between us, the bids, together with your written acceptance thereof in the form of your Notification of Award shall constitute a binding contract between us.
- 7.0 We understand that you are not bound to accept our bid or any other bid you may receive.
- 8.0 We, hereby, declare that only the persons or firms interested in this proposal as principals are named here and that no other persons or firms other than those mentioned herein have any interest in this proposal or in the Contract to be entered into, if the award is made on us, that this proposal is made without any connection with any other person, firm or party likewise submitting a proposal, is in all respects for and in good faith, without collusion or fraud.
- 9.0 We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
- 10.0 We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Dated this..... day of .....

Thanking you,

Yours faithfully,

Date:

Place:

(authorised signatory Name).

(Designation)

Company Seal

**Format for Electronics Payment**

Bidders are required to submit the following details on the company's letter head for online transfer of amount to their account:

1.	Contractor Name / Company Name	
	Address:	
	Phone No.	
	E-mail ID	
2. a	Name of the Bank	
b	Address of the Branch	
c	Telephone No.	
d	9 Digit Code number of the Bank and Branch appearing on the MICR Cheque issued by the Bank	
e	11 Digit NEFT/IFSC Code of the Bank Branch	
f	Account Type (SB/CC/CA)	
g	Bank Account No.(as appearing on the Cheque)	
h	Permanent Account Number (PAN) Under Income Tax Act.	
i	GST Registration Number	
j	Name of Authorized Signatory	
k	Contact Person Name	

We hereby declare that the particulars given above are correct and complete

Authorized signatory of the bidder

Name

Designation

Date

**TENDER ACCEPTANCE LETTER  
(To be given on Company Letter Head)**

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No:

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:  
as per your advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. to (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and, in the event, that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,  
(Signature of the Bidder, with Official Seal)

**DECLARATION FOR “NO DEVIATION”**

**(To be submitted on the Letter Head of the Bidder duly signed by Authorised Signatory)**

1. With reference to our Bid Proposal No. .... dated ..... For ...(Name of Package to be mentioned)....., we hereby confirm that we comply with all terms, conditions and specifications of the Bidding Documents read in conjunction with Amendments(s) / Clarification(s) / Addenda / Errata (if any) issued by the Owner prior to opening of Techno – Commercial Bids and the same has been taken into consideration while making our Techno – Commercial Bid & Financial Bid and we declare that we have not taken any deviation / exceptions in this regard.
  
2. We further confirm that any deviation variation or additional conditions etc. or any mention, contrary to the Bidding Documents and its Amendments(s) / Clarification(s) / Addenda / Errata (if any) as mentioned at 1.0 above found anywhere in our Techno – Commercial Bid and / or Financial Bid, implicit or explicit, shall stand unconditionally withdrawn, without any cost implication whatsoever to the Owner, failing which the Bid Security shall be forfeited.

Yours faithfully,  
(Signature)

Date: Name & Designation.....

Place: Name of the Company.....

(Seal of Company) .....

**PROFORMA OF CERTIFICATE  
(TO BE SUBMITTED BY CEO/MD/ LEGALLY AUTHORISED SIGNATORY OF  
THE BIDDING COMPANY ON COMPANY'S LETTER HEAD IN ORIGINAL)**

Ref. \_\_\_\_\_ : Date: \_\_\_\_\_

To  
Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

Sub:

Bidding Doc. No.

Dear Sir,

I, Mr. .... (CEO of the company / MD of the company/ Authorized Signatory), hereby certify that the data and documents furnished by M/s..... in respect of Techno-Commercial Evaluation are true and correct including the contents thereof.

I further, confirm that if at any point of time the declarations given in bid are found to be incorrect, HURL shall have the full right to terminate the contract and take any action as per provisions of contract including forfeiture of EMD/Security Deposit.

Yours faithfully,  
(Signature)

Date Name & Designation.....  
Place Name of the Company.....  
(Seal of Company) .....

**(FORM OF ACCEPTANCE OF FRAUD PREVENTION POLICY OF HURL)**

**(To be submitted on the Letter Head of the Bidder duly signed by Authorised Signatory)**

Ref. :

Date:

To

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

Sub: **FORM OF ACCEPTANCE OF FRAUD PREVENTION POLICY OF HURL**

Bidding Doc. No.

We have read the contents of the Fraud Prevention Policy of HURL displayed on its website <http://www.hurl.net.in> and undertake that we shall strictly abide by the provisions of the said Fraud Prevention Policy of HURL.

-----  
Date : (Signature of Authorized Signatory) .....

Place : (Printed Name) .....

(Designation).....

(Company Seal) .....



**Model Certificate For Tenders For Works involving possibility of sub-contracting**  
**(TO BE SUBMITTED BY AUTHORISED SIGNATORY OF THE BIDDING**  
**COMPANY ON BIDDERS LETTER HEAD IN ORIGINAL)**

**Bid Ref No.:** .....

Bidder's Name and Address:

To,

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

**Dear Sir,**

We have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries as per the guidelines dated 23.07.2020 & 24.07.2020 issued by Department of Expenditure (DOE), Ministry of Finance; We hereby certify that we/our collaborator/ JV partner/ Consortium member/ Assignee is not from such a country and are eligible to be considered. We further certify that we will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority. We hereby certify that we fulfill all the requirements in this regard.

Yours faithfully,

(Signature)

Date  
Place

Name & Designation.....  
Name of the Company.....  
(Seal of Company) .....

Note: - Bidders not furnishing this aforesaid declaration shall be considered to be from such Countries.

**DECLARATION REGARDING GST  
(To be given on Company Letter Head)**

Date:

To,

Sub: Declaration Regarding GST

Tender Reference No:

Name of Tender / Work: -

Dear Sir,

We hereby submit following declaration with respect to the applicability of GST.

GST (Goods and Service Tax) is inclusive @ \_\_\_\_\_ in quoted rate.

GST shall be Charged by the bidder @ \_\_\_\_\_% will be reimbursed by HURL.

*(Please tick in the applicable Box for GST)*

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Note: -

1. GST will be loaded in rate quoted by party for obtaining landed cost.
2. If the bidder quotes Zero "0" in the Applicable GST rate in the declaration OR doesn't submit the declaration then the GST amount would be deemed to be included in the per unit rate quoted by the bidder in the BOQ.

**Bid Security Form**

**Bank Guarantee**

(To be stamped in accordance with Stamp Act,  
if any, of the Country of the issuing Bank)

Bank Guarantee No...

Date...

To:

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

Dear Sirs,

In accordance with Invitation for Bids under your Bid Document No....., M/s ..... having its Registered / Head Office at.....(hereinafter called the 'Bidder' ) wish to participate in the said bid for [Name of Package] ...

As an irrevocable bank guarantee against Bid Security for an amount of ... ..  
(\*) . valid for..... days from ..(\*\*).... required to be submitted by the Bidder as a condition precedent for participation in the said bid which amount is liable to be forfeited on the happening of any contingencies mentioned in the Bidding Documents.

We, the ... [Name & address of the Bank] ...having our Head Office at ... (#) ...  
guarantee and undertake to pay immediately on demand by..... .[Name of the Owner] (hereinafter called the Owner)... . the amount of ..(\*) .....without any reservation, protest, demand and recourse. Any such demand made by the 'Owner' shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This Guarantee shall be irrevocable and shall remain valid up to ... .(@).....  
If any further extension of this guarantee is required, the same shall be extended to such required period (not exceeding one year) on receiving instructions from M/s [Bidder's Name] ... .. on whose behalf this guarantee is issued.

Notwithstanding anything contained herein:

1. Our liability under this bank guarantee shall not exceed [Bid security amount]

2. This bank guarantee shall be valid up to [expiry date]
3. We are liable to pay the guaranteed amount or any part under this bank guarantee only and only if you serve upon us a written claim or demand on or before [claim expiry date of guarantee]”.

In witness where of the Bank, through its authorized officer, has set its hand and stamp on this.....day of.....at.....

(Signature)  
(Name)  
(Designation with Bank Stamp)

Authorized Vide Power of Attorney No...

Date...

NOTE:

1. (\*) The amount shall be as specified in the Bid Data Sheets.  
(\*\*) This shall be the date of opening of Techno-commercial bids.  
(#) Complete mailing address of the Head Office of the Bank to be given.  
(@) This date shall be forty-five (45) days after the last date of bid validity.
2. The Bank Guarantee shall be from a Bank as per relevant provisions of ITC clause of the Bidding Documents.
3. The Stamp Paper of appropriate value shall be purchased in the name of Bidder/Bank issuing the Guarantee.
4. While getting the Bank Guarantee issued, Bidders are required to ensure compliance to the points mentioned in relevant Form of Bank Guarantee Verification Check List enclosed in Section-VII of bidding document. Further, Bidders are required to fill up this Form and enclose the same with the Bank Guarantee.
5. HURL Bank details required for the purpose of issuance of Bank Guarantee are

Bank: SBI  
Current account no 36245010741,  
IFSC Code- SBIN0004803.

**Performance Security Form**

(To be stamped in accordance with Stamp Act if any, of the Country of the Issuing Bank)

Bank Guarantee No.....

Date.....

To,

Manager (C&M)  
Hindustan Urvarak & Rasayan Limited,  
(A JV of CIL, NTPC, IOCL, FCIL & HFCL)  
Admin Building, HURL Campus,  
PO-HURL Fertilizer Plant,  
Gorakhpur-273007

Dear Sirs,

In consideration of the .....[*Owner's Name*]..... (hereinafter referred to as the 'Owner' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) having awarded to M/s .....[*Bidder's Name*]..... with its Registered /Head Office at ..... (hereinafter referred to as the 'Bidder', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of Owner's Notification of Award No. .... dated..... and the same having been unequivocally accepted by the Bidder, resulting into a Contract bearing No..... dated ..... valued at ..... for ..... and the Bidder having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to .....(\*).....% ( ..... percent) of the said value of the Contract to the Owner.

We .....[*Name & Address of the Bank*].....having its Head Office at.....(hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Owner, on demand any and all monies payable by the Bidder to the extent of .....(\*)..... as aforesaid at any time upto .....(@)..... [*days/month/year*] without any demur, reservation, contest, recourse or protest and/or without any reference to the Bidder. Any such demand made by the Owner on the Bank shall be conclusive and binding notwithstanding any difference between the Owner and the Bidder or any dispute pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Owner and further agrees that the guarantee herein contained shall be enforceable till ninety (90) days after expiry of its validity.

The Owner shall have the fullest liberty, without affecting in any way the liability of the Bank under this guarantee, from time to time to extend the time for performance of the

Contract by the Bidder. The Owner shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Bidder, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the Owner and the Bidder or any other course or remedy or security available to the Owner. The Bank shall not be released of its obligations under these presents by any exercise by the Owner of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the Owner or any other indulgence shown by the Owner or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank.

The Bank also agrees that the Owner at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Bidder and notwithstanding any security or other guarantee that the Owner may have in relation to the Bidder's liabilities.

Notwithstanding anything contained hereinabove our liability under this guarantee is restricted to .....(\*)..... and it shall remain in force upto and including .....(@)..... and shall be extended from time to time for such period (not exceeding one year), as may be desired by M/s .....[Bidder's Name]..... on whose behalf this guarantee has been given.

Dated this .....day of.....20..... at.....

**WITNESS :**

..... (Signature)	(Signature).....
..... (Name)	(Name).....
..... (Official Address)	..... (Designation with Bank Stamp)
	Attorney as per Power of Attorney No..... Dated.....

**Notes :** 1. (\*) This sum shall be ten percent (10%) of the Contract Price.

(@) This date will be ninety (90) days beyond the completion date for consultancy work as specified in the Contract.

2.The stamp papers of appropriate value shall be purchased in the name of guarantee issuing Bank.

3.While getting the Bank Guarantee issued, the Bidder is required to ensure compliance to the points mentioned in relevant Form of Bank Guarantee Verification Check List. Further, the Bidder is required to fill up this Form and enclose the same with the Bank Guarantee.

4.The Bank Guarantee shall be from any Scheduled / Commercial Bank recognised by Reserve Bank of India.

**BANK GUARANTEE VERIFICATION CHECKLIST**

1. Bank Guarantee No.
2. Issuing Bank
3. Amount of BG
4. Nature of BG & No. Pages
5. Validity of BG
6. Package Description
7. Party & Contracts Ref.
8. Bank Reference

**CHECK LIST**

S.No.	Details of Checks	Yes/No
a)	Is the BG on non-judicial stamp paper of appropriate value, as per Stamp Act?	
b)	Whether date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of stamp paper under the Signature of Stamp vendor? (The date of purchase of stamp paper should be not later than the date of execution of BG and the stamp paper should be purchased either in the name of the executing Bank or the Bidder on whose behalf the BG has been issued).	
c)	In case the BGs from Banks abroad, has the BG been executed on Letter Head of the Bank, whether adhesive Stamp of appropriate value has been affixed thereon.	
d)	Has the executing Officer of BG indicated his name, designation and Power of Attorney No. / Signing Power No. etc. on the BG?	
e)	Is each page of BG duly signed/initiated by executant and whether stamp of Bank is affixed thereon? Whether the last page is signed with full particulars including two witness under seal of Bank as required in the prescribed proforma?	
f)	Does the Bank Guarantees compare verbatim with the Proforma prescribed in the Bid Documents?	
g)	In case of any changes in contents of text,	



whether changes are of minor/clerical nature  
(which in no way limits the right of HURL in  
any manner)?

- h) In case of deviations in text of BG, which materially affect the right of Owner, whether the changes have been agreed based on the opinion by Legal Department or BG is considered acceptable on the basis of opinion of Law Department already available on the similar issue.
- i) Are the factual details such as Bid Document No./Specification No. / NOA / LOA / Contract No., Contract Price, Percentage of Advance, Amount of BG and Validity of BG correctly mentioned in the BG?
- j) Whether overwriting / cutting if any on the BG have been properly authenticated under signature & seal of executant?
- k) Whether the BG has been issued by a Bank in line with the provisions of Bidding / Contract Documents?
- l) In case BG has been issued by a Bank other than Scheduled / Commercial Bank recognised by Reserve Bank of India, is the BG confirmed by a Bank in India acceptable as per Bidding / Contract Documents?

-----  
-----  
Date : Signature.....  
Place :

Printed Name of Authorized Person having Power of  
Attorney.....  
(Designation) .....  
(Common Seal) .....

**Note :** The Bidder is required to fill up this form and enclose along with the Bank Guarantee

## FORMAT OF CONTRACT AGREEMENT

(To be executed on non-judicial stamp paper of appropriate value)

THIS CONTRACT AGREEMENT is made the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_..

BETWEEN

(1) *[Name of Owner]*, a corporation incorporated under the laws of *[country of Owner]* and having its principal place of business at *[address of Owner]* (hereinafter called “the Owner”), and (2) *[name of Contractor]*, a corporation incorporated under the laws of *[country of Contractor]* and having its principal place of business at *[address of Contractor]* (hereinafter called “the Contractor”)

WHEREAS the Owner desires to engage the Contractor to .....*[scope of work]*..... and the Contractor have agreed to such engagement upon and subject to the terms and conditions hereinafter appearing.

NOW IT IS HEREBY AGREED as follows:

### ARTICLE 1. CONTRACT DOCUMENTS

1.1 The following documents shall constitute the Contract between the Owner and the Contractor,  
and each shall be read and construed as an integral part of the Contract:

- a) This Contract Agreement and the Appendices hereto
- b) Letter of Award .. Ref. No
- c) Amendment to the NIT document.
- d) Instruction to Bidders
- e) Special Conditions of Contract
- f) General Conditions of Contract
- g) Technical Specifications and Drawings
- (f)The Bid and Price Schedules submitted by the Bidder

#### 1.2 Order of Precedence

In the event of any ambiguity or conflict between the Contract Documents listed above, the order of precedence shall be the order in which the Contract Documents are listed in Article 1.1(Contract Documents) above.

#### 1.3 Definitions

Capitalized words and phrases used herein shall have the same meanings as are ascribed to them in the General Conditions of Contract.

## **ARTICLE 2. CONTRACT PRICE AND PAYMENT TERMS**

### **2.1 Contract Price**

The Owner hereby agrees to pay to the Contractor the Contract Price in consideration of the performance by the Contractor of its obligations hereunder. The Contract Price shall be the aggregate of: *[amount of foreign currency in words]*, *[amount in figures]*, and *[amount of local currency in words]*, *[amount in figures]*, or such other sums as may be determined in accordance with the terms and conditions of the Contract.

### **2.2 Payment Terms**

Payment shall be made by the Owner to the Contractor as per the provisions of Bidding Documents.

## **ARTICLE 3. EFFECTIVE DATE FOR DETERMINING TIME FOR COMPLETION**

The Completion period of the Project shall be determined from the date of Letter of Award.

## **ARTICLE 4. NON-ASSIGNABILITY**

The Contract and benefits and obligations thereof shall be strictly personal to the CONTRACTOR and shall not on any account be assignable or transferable by the CONTRACTOR.

## **ARTICLE 5. GOVERNMENT OF INDIA NOT LIABLE**

It is expressly understood and agreed by and between the Contractor and the Owner that the Owner is entering into this Agreement solely on its own behalf and not on behalf of any other person or entity. In particular it is expressly understood and agreed that the Government of India is not a party to this Agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that the Owner is an Independent legal entity with power and authority to enter into contracts solely on its own behalf under the applicable laws of India and the general principles of Contract Law. The Contractor expressly agrees, acknowledges and understands that the Owner is not an Agent, Representative or Delegate of the Govt. of India. It is Further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the Contract. Accordingly, the Contractor expressly waives, releases and foregoes any and all actions or claims, including cross claims, impleader claims or counter claims against the Government of India arising out of this Contract and covenants not to sue the Government of India as to any manner, claim, cause of action or thing whatsoever arising of or under this Contract.

## **ARTICLE 6. Appendices**

The Appendices listed in the attached list of Appendices shall be deemed to form an integral part of this Contract Agreement.

Reference in the Contract to any Appendix shall mean the Appendices attached hereto, and the Contract shall be read and construed accordingly.

## **ARTICLE 7. NO LIABILITY ON DIRECTOR AND EMPLOYEE**

No Director, employee, consultant or agent of the OWNER or other person representing the OWNER or acting on behalf of the OWNER in or pursuant to the Contract or in the discharge of any obligation to the OWNER under the Contract or otherwise in relation to the Contract shall have any personal liability to the CONTRACTOR or any Sub-Contractor, agent, representative, director or employee of the CONTRACTOR or to any other person acting for or on behalf of the CONTRACTOR and the CONTRACTOR on its own behalf and on behalf of its Sub Contractors, directors, employees, agents and representatives hereby waives and disclaims any and all right of action which it or they may have whether under tort or Contract or otherwise against the OWNER or any director, employee, agent, consultant or representative of the OWNER for act of omission or commission done or omitted to be done.

## **ARTICLE 8. WAIVER**

No failure or delay by the OWNER in enforcing any right or remedy of the OWNER in terms of the CONTRACT or any obligation or liability of the CONTRACTOR in terms thereof, shall be deemed to be a waiver of such right, remedy, obligation or liability, as the case may be, by the OWNER and notwithstanding such failure or delay, the OWNER shall be entitled at any time to enforce such right, remedy, obligation or liability, as the case may be.

## **ARTICLE 9. LANGUAGE OF CONTRACT AND COMMUNICATION**

The language of the Contract shall be English and all communications, drawings, design, data, information, codes specifications and other document whatsoever supporting the bid or otherwise exchanged under the Contract shall be in English. In the event that any technical documentation is in any language other than English, the document should be translated and presented to the OWNER/Project Manager in English and English document/translated document shall be regarded as the only authentic document.

IN WITNESS WHEREOF the Owner and the Bidder have caused this Agreement to be duly executed by their duly authorized representatives the day and year first above written.

Signed by for and on behalf of the Owner

[Signature]

[Title]

in the presence of

Signed by for and on behalf of the Bidder

[Signature]

[Title]

in the presence of \_\_\_\_\_

# CONTRACT AGREEMENT

dated the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

BETWEEN

["the Owner"]

and

["the Bidder"]