



CPO REFINERIES

TENDER FOR

**“RATE CONTRACT FOR CARRYING OUT MECHANICAL JOBS
ON FLOATING ROOF AND INTERNAL FLOATING ROOF (IFLR)
PETROLEUM STORAGE TANKS AT BPCL[MR]
FOR A PERIOD OF TWO YEARS ”**

REQUEST FOR QUOTATION

CRFQ Number – 1000285849

E-Tender System IDs : 27671

Tender Calendar Details		
Stage Name	Start Date	End date and Time
Tender release	18.08.2017	08.09.2017, 11:00 Hrs IST
Site Visit / Pre-bid meeting	28.08.2017, 10:00 Hrs IST.	
PQ bid opening	08.09.2017, 11:30 Hrs IST	-
Technical bid opening	Will be intimated later	-
Priced Bid Opening	Will be intimated later	-

NOTICE INVITING E-TENDER

- 1.0 E-Bids in 3 parts are invited for the tender for **“RATE CONTRACT FOR CARRYING OUT MECHANICAL JOBS ON FLOATING ROOF AND INTERNAL FLOATING ROOF (IFLR) PETROLEUM STORAGE TANKS AT BPCL[MR] FOR A PERIOD OF TWO YEARS”** in complete accordance with tender documents and its attachments.
- 1.1 All prospective bidders are requested to enroll themselves in to our e-tendering platform <https://bpcleproc.in/> maintained by M/s. E-procurement Technologies Ltd, our authorized Service Provider for E-tendering.
- 1.2 Upon logging in to the e-procurement website, bidders can download the bid documents and shall thoroughly go through the same. All documents required for the bid, shall be uploaded on the appropriate place in the E-Procurement web site, digitally signed. No physical scanned documents need to be uploaded except those specifically indicated.
- 1.3 As a pre-requisite for participation in the tender, bidders are required to obtain a valid Digital Signature Certificate of Class 2B or Class 3 (Signing and Encryption/Decryption) and above as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCIA), Controller of Certifying Authorities (CCA). The cost of obtaining the digital certificate shall be borne by the bidder.
- 1.4 Bidders are advised to read the Instructions for participating in the electronic tenders directly through internet (Bid Submission Manuals are available on the above mentioned e-procurement site) and get conversant with the process of online submission of the tenders well in time so as to submit tenders by the due date.
- 1.5 E-Bidding instructions are also attached along with the tender document for reference and guidance.

2.0 BRIEF DESCRIPTION:

The scope of work under this tender mainly consists of repair/ replacement works on Floating Roof & Internal Floating Roof (IFLR) petroleum storage Tanks, including fabrication of new roof (as existing), replacement of bottom plates, shell plates, wind Girders, replacement of foam and cooling water lines, structural works inside and outside tank, miscellaneous civil works related to tank M&I activities, external and internal shot-blasting and painting etc. Also activities like submission of fabrication drawings for review by BPCL, providing new mixer nozzles, steam coils, flush type clean out doors etc. are included. The jobs mentioned are to be carried out along with other repair works of the tank and to be completed as per the approved schedule and time frame.

3.0 **SITE VISIT/ PRE-BID MEETING:**

3.1 Site visit/ Pre-bid meeting is scheduled on 28th Aug 2017, 10:00 AM at BPCL Mumbai Refinery. All interested bidders are requested to reach the site before 10:00 AM. The purpose of the pre- bid meeting is to clarify any doubts of the Bidders on the interpretation of the provisions of tender. Bidder(s) are requested to submit their queries, mentioning firm name, clause no. & clause by a letter/ e-mail to the Engineer-in-charge in order to have fruitful discussions during the meeting. All Bidders are requested to acquaint themselves about the site and tender conditions for better clarity, before submitting their bids. Necessary clarifications (if any), may be obtained prior to submission of the bid.

3.2 Contact Persons:

Shri. Kiran Bania, Asst. Manager Maint (Planning), BPCL – Mumbai Refinery, Mahul, Mumbai.

Tel No. 022 – 25524153. E mail: baniakiran@bharatpetroleum.in

Shri. Deepak Chandramore, DGM Maint (Planning), BPCL – Mumbai Refinery, Mahul, Mumbai.

Tel No. 022 – 25533153. E mail:chandramoredp@bharatpetroleum.in

Bidders shall visit the location, at their own expense to see the site conditions before quoting for the job. Bidders should contact Engineer-in-charge for getting information required for visiting the site locations well in advance. Bidders to obtain all the information required for executing the contract from site. No request will be entertained on this count even if bidders choose not to visit. No claim what so ever may be shall be entertained on this ground.

Bidders may submit the queries in following format (in excel):

Sr No	Tender Page No	Clause No	Clause	Clause details	Query
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4.0 **PRE-QUALIFICATION CRITERIA:**

4.1 Bidders, fulfilling all the technical & commercial qualifying criteria as per the pre-qualification document attached, shall only be considered for further evaluation of bids.

5.0 **EARNEST MONEY DEPOSIT (EMD) :**

5.1. The interest-free Earnest Money Deposit (EMD) of Rs 1,00,000/- (Rupees One Lakh Only) to be submitted by way of crossed account payee Demand Draft drawn on any nationalized / scheduled bank in favour of "BHARAT PETROLEUM

CORPORATION LTD" payable at Mumbai. The EMD shall be arranged prior to the due date & time of opening of the "Pre-qualification Bid".

The following categories of bidders are however exempted from depositing EMD:

- a) Units registered with National Small Industries Corporation (NSIC);
- b) Units falling under Micro & Small Enterprises (MSEs) category and registered with authorities specified under Public Procurement Policy for MSEs and as defined under the MSMED Act 2006. Vendor shall submit the EMI and EMII certificate from DIC along with their offer.

The above are subject to the fulfilling of under mentioned conditions:

- a) Units should be registered with National Small Scale Industrial Corporation Limited (NSIC) or with any of the Authorities specified under the Public Procurement Policy for MSE's. (DIC/KVIC/KVIB/Coir Board/NSIC/Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME.)
- b) The Unit should be registered for the item tendered.
- c) The monetary limit, if any, indicated in the registration certificate should cover value of items ordered.
- d) Registration Certificate is valid for a period at least up to validity of the offer.
- e) Self-attested copy of valid relevant registration certificate should be submitted in support.
- f) Registration with DGS&D will not entitle a Tenderer to claim above exemption.
- g) Units registered with National Small Industries Corporation (NSIC) or MSE subject to:

Such bidders must upload appropriate proof along with their "Technical Bid", to show that they are eligible for the exemption from EMD (application for registration as NSIC / MSE or for renewal will not be acceptable), failing which such bid will be treated as bid received without EMD and liable to be rejected.

- h) All MSEs who are having Udyog Aadhaar Memorandum (UAM) shall be given all benefits available under Public Procurement Policy for MSEs order 2012. Therefore, UAM shall also be accepted as a valid document for vendors seeking benefits under PPP for MSEs order 2012
- i) Registration with DGS&D will not entitle the Bidder to claim exemption from payment of EMD.

5.2 "Earnest Money Deposit" (EMD), wherever applicable, shall be paid separately by Demand Draft (DD) / Banker's Cheque drawn in favour of Bharat Petroleum Corporation Limited and payable at Mumbai, or by electronic funds transfer or bank guarantee.

- 5.3 The Bank Guarantee in lieu of EMD shall be furnished on non-judicial stamp paper of Rs. 500/- value and in the prescribed Performa given in the Tender Document.
- 5.4 Bank Guarantee (BG) shall be executed by any Scheduled Bank approved by Reserve Bank of India as per the proforma. The BG shall remain valid for a period of six months from the due date of opening the tender.
- 5.5 Original DD/ Banker's Cheque or BG as the case may be, towards EMD shall be sent separately to CPO (Head), CPO-Refineries, BPCL. Copy the DD/ Banker's cheque/ BG as the case may be, along with proof of dispatch to be uploaded along with "Pre-qualification Bid". Bids without EMD are liable to be rejected.
- 5.6 EMD can be also submitted through electronic fund transfer to the Account as detailed below;
- Details of Bank for Electronic Fund Transfer:
Beneficiary-Bharat Petroleum Corporation Limited
- Name of the Bank- Standard Chartered Bank, M G Road, Address-90, M G Road, Fort, Mumbai-400 001,IFSC Code-SCBL0036001,MICR Code-400036002,Type of Account-11(Current), Account No:22205020115.
- 5.7 EMD of other unsuccessful bidders shall be released after issuance of FOA/LOA/contract Order against this tender. However, in case of successful bidder the EMD shall be released on receipt of performance bank guarantee.
- 5.8 Forfeiture of EMD - A tenderer who has submitted their bid shall not be permitted to alter/ amend or withdraw the bid, notwithstanding that the bid(s) has/ have not yet been opened/ finalised. A tenderer who purports to alter/ modify withdraw their offer after submission, within the validity of the offer shall be liable to have their offer rejected and their EMD forfeited/encashed.
- 5.9 The Earnest Money deposited by successful tenderer shall be forfeited if the successful tenderer fails to honour the offer terms prior to ordering and Contractual terms after issuance of FOA/LOA/contract Order.
- 5.10 Offers received without scan copy of EMD (DD/BG/Valid NSIC Certificate/Bank transfer details) in the e-tender and physically not received within 7 days after "Pre-qualification Bid" opening date (as indicated in the NIT or corrigendum thereof) are liable to be rejected.
- 5.11 EMD shall be valid for a period of 6 (Six) Months from the due date and in compliance with the terms provided in General Conditions of Contract (GCC) for the same. EMD format provided in GCC shall be complied.

6.0 OFFER VALIDITY:

The Offers shall be valid for a period of 120 days from Tender Due Date / Extended Tender Due Date for placement of order.

7.0 TIME OF COMPLETION:

As detailed in the Special Conditions of contract.

8.0 GENERAL CONDITIONS OF CONTRACT (GCC) / SPECIAL CONDITIONS OF CONTRACT (SCC) :

Attached General Conditions of Contract (GCC) / Special Conditions of Contract (SCC) shall be applicable for this contract.

9.0 SUBMISSION OF TENDER:

9.1 Bids should be submitted in "THREE BID SYSTEM", i.e., "Pre-Qualification Bid", "Unpriced-Technical Bid" & "Priced Bid" through e-tendering portal.

9.2 **"Pre-Qualification Bid"** shall be complete with all the required documents uploaded as given below.

- (i) All required documents as per PQ criteria
- (ii) Scan Copy of EMD (Demand draft/ Bank Guarantee/ Valid NSIC Certificate) or Registration/ Exemption Certificate (if any).
- (iii) Declaration of Holiday List to be submitted properly filled.
- (iv) Contact details of Vendor duly filled, signed and stamped.
- (v) Scanned copy of Bidder's PAN, GST Registration Certificate
- (vi) Integrity Pact Document duly filled, signed and stamped on each page
- (vii) Any other supporting documents/ information in support of the bid.

9.3 **"Un-Priced- Technical Bid"**, i.e. Techno-Commercial Bid, shall be complete with all technical and commercial details (other than price) duly filled, signed and stamped essentially containing the following documents shall be submitted/ uploaded:-

- i) Un-Priced copy of Price Schedule with an indication "Quoted" or "Not-Quoted" against each item. **Please do not indicate prices in Un-Price Bid.**
- ii) Details of taxes and duties as per the format FORM-A attached.
- iii) Acceptance, Compliance, Deviations and Exceptions: Bidders are requested to have all their queries clarified before bidding. Bidders are required to confirm and accept all the terms and conditions of the RFQ. However, if they still have deviations from our RFQ and the attachments (GCC, SCC, specifications, scope of work, special instructions to bidders, etc.), they can indicate deviations in the Form-B giving reference to clause no.

- iv) Duly signed RFQ, Special Conditions of Contract, scope of work etc duly signed and stamped as a token of acceptance.
 - v) Anti-profiteering Declaration under GST.
 - v) Any other supporting documents/ information in support of the Un-priced Bid.
- 9.4 "Priced Bid" shall be submitted online. Bidders shall input their prices online in the template created in the E Tendering portal.
- 9.5 Bids complete in all respects should be uploaded in BPCL e-tendering portal on or before the due date & time. Each page of all documents, submitted by the bidder, shall be duly signed & stamped, and then scanned and uploaded in the portal. The offer shall be submitted in the Portal under the digital signature of the bidder.
- 9.6 Offer submitted by Telex/ Telegraphic/ Fax/ E-Mail or Hard copy in sealed covers, shall not be accepted.
- 9.7 BPCL shall not be responsible for any delay in uploading of offer.

10.0 TENDER OPENING:-

The deadline for bid submission is 11:00 Hrs on the due date mentioned. The bids can be submitted in the e-procurement website up to the tender due date and time. The Pre-qualification bids will be opened online through e-procurement website <https://bpclproc.in>, on the same day at 11.30 Hrs.

- 10.1 Pre-qualification Bids: The Pre-qualification bids shall be opened on the due date mentioned at 11.30 Hrs. Bidders, who have submitted their bids, can view/ witness the "Pre-qualification Bid" opening through the e-portal. The offers of those bidder(s) whose offer meet the Prequalification requirements, will only be considered for further evaluation, while those not meeting the Pre-qualification criterion, will be not be considered for further evaluation.
- 10.2 Un-priced-Technical bids:- The Un-priced Technical Bids (Techno-Commercial Bid) of those bidder(s), whose offers for "Pre-qualification Bid" are found to be acceptable, will only be opened under advance intimation to them. Such Qualified Bidders can view/ witness the "Un-priced Technical Bid" opening through the e-portal.
- 10.3 Price bids:- The date and time of opening Price Bids shall be intimated separately to the techno-commercially acceptable bidders and the price bids shall be opened through e-portal. Such Techno-Commercially accepted bidders can view/ witness the "Price Bids" opening through the e-portal.

The Methodology as described below shall be adopted in opening of the tenders.

11.0 METHODOLOGY FOR AWARD OF CONTRACT :

Evaluation shall be on the basis of landed cost along with applicable taxes and duties, less Input tax credit. Job will be awarded based on the overall lowest evaluated cost (of both Part 1 and Part 2).

12.0 CONTACT PERSONS:

Please note that tender against tender enquiry is invited through e-tendering mode. In case of any clarification regarding the tender, following are the contact persons:-

12.1 FOR E-TENDERING RELATED ISSUES:

If tenderers need some clarifications or are experiencing difficulties while enrolling or while participating in this e-Tender, please E-Mail to the following E-Mail ID along with the snapshots of the errors being faced to:

M/s E-procurement Technologies Ltd,
E Mail - support@bpcleproc.in & with a copy to:
bhatepp@bharatpetroleum.in

(OR)

Contact the following helpdesk numbers:

All India +91 79 4001 6868

12.2 FOR TECHNICAL CLARIFICATIONS:

For any technical clarifications regarding this RFQ, please contact:

Shri. Kiran Bania, Asst. Manager Maint (Planning), BPCL – Mumbai Refinery, Mahul, Mumbai.

Tel No. 022 – 25524153. E mail: baniakiran@bharatpetroleum.in

Shri. Deepak Chandramore, DGM Maint (Planning), BPCL – Mumbai Refinery, Mahul, Mumbai.

Tel No. 022 – 25533153. E mail:chandramoredp@bharatpetroleum.in

12.3 FOR COMMERCIAL CLARIFICATIONS:

For any commercial clarifications regarding this RFQ, please contact:

Procurement Manager - Shri. P P Bhate, BPCL- Mumbai Refinery, Mahul, Mumbai,
Tel no. 022 - 25533010. Email: bhatepp@bharatpetroleum.in

(OR)

Procurement Leader - Shri. A.R.Menon, BPCL - Mumbai Refinery, Mahul, Mumbai,

Tel no. 022 - 25533142. Email: menonar@bharatpetroleum.in

13.0 INTEGRITY PACT (IP):

- 13.1 Proforma of Integrity Pact (IP) shall be returned by the Bidder/s along with the bid documents, duly signed by the same signatory who is authorized to sign the bid documents. All the pages of the Integrity Pact shall be duly signed, scanned and uploaded along with other documents. Bidder's failure to upload the IP duly signed along with bid documents shall result in the bid not being considered for further evaluation.
- 13.2 If the Bidder has been disqualified from the tender process prior to the award of the contract in accordance with the provisions of the IP, BPCL shall be entitled to demand and recover from Bidder Liquidated Damages amount by forfeiting the EMD/ Bid Security as per provisions of IP.
- 13.3 If the contract has been terminated according to the provisions of the IP, or if BPCL is entitled to terminate the contract according to the provisions of the IP, BPCL shall be entitled to demand and recover from Contractor Liquidated Damages amount by forfeiting the Security Deposit/Performance Bank Guarantee as per provisions of the IP.
- 13.4 Bidders may raise disputes/complaints, if any, with the nominated Independent External Monitor (IEM). The IEM's name, address & contact number is given below:

Shri Brahm Dutt
1/8 Safdarjung Enclave,
New Delhi - 110 029
Email : dutt.brahm@gmail.com, Mob. 09871920282.

14.0 ANTI-PROFITEERING CLAUSE OF GST

If any new tax is introduced on sale of goods/services by VENDOR to OWNER in lieu of one or more of the then existing taxes or as a new tax altogether and the rate and impact of the new taxes is less than the rate and impact of existing tax or taxes which it replaces, VENDOR shall pass on to OWNER the benefit thereof by of commensurate reduction in the amount payable by the OWNER to VENDOR. If on the other hand, the rate of the new taxes is in excess than the rate of the new taxes it replaces, the OWNER on satisfactory proof shall reimburse the VENDOR the additional tax paid by the VENDOR as the result of the imposition of the new taxes provided they are within the contractual completion date.

Explanation: For the purpose of above clause, impact means and includes the addition/reduction of taxes suffered on inputs, input services & capital goods. Further, impact of stranded taxes like CST on Interstate purchases, entry tax/octroi, etc (if applicable) also needs to be considered.

The vendor shall take steps viz uploading invoice in GSTR 1 , payment of the tax liability on the said invoices and filing of Returns etc. and comply with all the requirements of applicable laws including GST laws for the time being in force to enable the OWNER to avail tax credit/s including input tax credit. Any loss or non-availability of input tax credit by the OWNER due to non-compliance of applicable tax laws including but not limited to GST laws in force or otherwise, on the part of VENDOR, an amount equivalent to any tax liability accruing to the OWNER and/or to the extent of any loss accrued to the OWNER due to the non-availability of input tax credit or any liability accrued to the OWNER shall either stand cancelled or deducted from the payment due to the VENDOR or shall be reimbursed by the VENDOR as the case may be till such default is either rectified or made good by the VENDOR and the OWNER is satisfied that it is in a position to claim valid input tax credit within the time-lines as per applicable laws.

Any cost, liability, dues, penalty, fees, interest as the case may be which accrues to the OWNER at any point of time on account of non-compliance of applicable tax laws or rules or regulations thereof or otherwise due to default on the part of VENDOR shall be borne by the VENDOR. An amount equivalent to such cost, liability, dues, penalty, fees, interest as the case may be, shall be reimbursed by the VENDOR within 30 days. Any GST as may be applicable on such recovery of amount shall also be borne by VENDOR and same shall be collected by the OWNER.

15.0 GENERAL POINTS:

- 15.1. BPCL reserves the right to extend due dates of tender, accept or reject any tender in part or full, without assigning any reason whatsoever. BPCL also reserves its right not to accept the lowest rates quoted by the bidders and also to give purchase/price preference to eligible Enterprises, as admissible under the existing policies of Government of India and to JVs/ Subsidiaries as per BPCL guidelines.
- 15.2 COST OF BIDDING: The Bidder shall bear all costs associated with the preparation and submission of Bid, all activities in connection with bidding. BPCL will in no case be responsible or liable for these costs regardless of the conduct or outcome of the bidding process. Each Bidder accept and agrees, as a condition of submitting its Bid that it waives any and all claims against BPCL, its Co-ventures and their affiliates, for remuneration or restitution relating to its costs and expenses in.
- 15.3 CONTENTS OF BIDDING DOCUMENT: The Bidder is expected to examine carefully all instructions, conditions, forms and terms given in the Bidding Documents. Failure to furnish all information required by the Bidding Document or not responsive to the requirements of the Bidding Document will be at the Bidder's risk, and may result in rejection of the bid.

Amendment of Bidding document

BPCL may, for any reason either at their own initiative or in response to the clarification requested by prospective bidders, issue amendment in the form of addendum during the bidding period or subsequent to receiving the bids. Any addendum thus issued shall become part of bidding document and Bidder shall submit 'Original' addendum duly signed and stamped in token of his acceptance. If addendum is issued during the bidding period, Bidder shall consider the impact in his bid. If addendum is issued subsequent to receiving the bids, Bidder shall follow the instructions issued along with addendum with regard to submission of impact on quoted price/ revised price, if any.

- 15.4 **OWNER'S RIGHTS TO ACCEPT / REJECT ANY OR ALL BIDS:** BPCL reserves the right to reject any or all the tenders without assigning any reasons whatsoever. Also BPCL reserves the absolute right to reject any or all the bids/tenders solely based upon the past unsatisfactory performance by the bidder/bidders in BPCL, the opinion/ decision of BPCL regarding the same being final and conclusive.
- 15.5 **LANGUAGE OF BIDS:** The bid prepared by the Bidder and all correspondence and documents relating to the bid, exchanged by the Bidder and BPCL, shall be written in the English language. All information in the "Bid" shall be in English language. Information in any other language shall be accompanied with its translation in English. Failure to comply with this condition shall disqualify a "BID". In the event of any contradictions between meanings as derived from various languages of the "BID", the meaning as derived from English language copy of the "BID" shall govern.
- 15.6 **CONFIDENTIALITY OF BID DOCUMENT:** The bidder shall not disclose any information contained in the bid document or otherwise supplied in connection with this bid to any third party, except for the purpose of preparing its bid and shall require any such third party to treat such information as confidential.
- 15.7 **PROCESS TO BE CONFIDENTIAL:** After the opening of bids, information relating to the examination, clarification, evaluation and comparison of bids and recommendations concerning to award of contract shall not be disclosed to Bidders. Canvassing in any form by the Bidder or by any other Agency on behalf of the Bidder after submission of the Bid may disqualify the said Bid. Any effort by a Bidder to influence the owner in the process of examination, clarification, evaluation and comparison of Bids, and in decisions concerning award of contract, may also result in the rejection of the said Bid.
- 15.8 **WRONG INFORMATION:** If the Bidder deliberately gives wrong information in his Bid to create circumstances for the acceptance of his Bid, Owner reserves the right to reject such Bids without any reference to the Bidder.
- 15.9 **VENDOR HOLIDAY LISTING :** Vendors serving holiday listing order issued by BPCL, MOP&NG or any other Oil PSEs would not get qualified in the tenders floated in BPCL till the holiday listing order is revoked by the concerned authority and the proof of such revocation is submitted to the tendering department.

A declaration to be submitted by bidder indicating that they are not on holiday list by BPCL / MOP&NG or any other Oil PSEs as on due date of bid submission anywhere in the country. Offers not accompanied with such declaration shall make the bidders liable for rejection. Any wrong declaration in this context shall make the bidders liable for action under the Holiday Listing procedure.

- 15.10 CLARIFICATIONS OF BIDS: In the event of finding any discrepancies in or omissions from the Bid Documents, or should the Bidder be in doubt as to the meaning of such documents, Bidder shall immediately notify BPCL, either by facsimile or letter, at the address shown above, who will thereupon, if required, send necessary written instructions to all Bidders. Any such request shall reach BPCL not later than seven (7) days prior to the ‘closing date’.

As part of examination, evaluation and comparison of Bids, the Owner may at his discretion, ask Bidders individually for clarification or call them for discussion of their Bid.

For Techno-Commercial clarifications, bidders shall normally be given a cutoff date for furnishing clarifications. Clarifications received after the specified cutoff dates are liable not to be considered for evaluation. Technical Query (TQ)/Commercial Query (CQ) shall be issued to bidders through E-Mail/E Tendering platform. Reply of TQ/CQ shall also be received through E-Mail/E-Tendering platform.

- 15.11 REVERSE AUCTION : BPCL reserves the right to consider the sealed price bids submitted by the bidders in E-tendering portal or to opt for Reverse Auction (RA) which shall be decided after technical evaluation of the offers. As such, the bidders should submit their best prices in ‘Priced Bids’ in E-tendering portal.

In case BPCL opt for Reverse Auction, the price bid submitted by the vendors shall not be opened. The General terms and conditions governing RA shall be applicable. A brief general condition of RA is given along with E-bidding Instructions.

- 15.12 SIGNING OF BID: The Bid must contain the name, designation, residence and place of business of the person or persons submitting the Bid, and must be signed and sealed by the Bidder with his usual signature. The names of all persons signing should also be typed or printed below their signature.

Satisfactory evidence of authority of the person signing on behalf of the Bidder shall be furnished with the Bid. The Bidder’s name stated in the Bid shall be the EXACT LEGAL NAME OF FIRM / COMPANY / CORPORATION, etc. as registered or incorporated.

- 15.13 FIRM PRICES : The Contract Price shall remain firm and fixed till the completion of Work in all respects and no escalation in prices on any account shall be admissible to the BIDDER / CONTRACTOR.

15.14 CONTRACT AGREEMENT:-

The successful Bidder shall be required to execute a formal Agreement as per the Format available in GCC, with Owner within 15 days from the date of issue of Contract Order by CPO-Refineries. All pages of the tender document including General Conditions of Contract to be signed and stamped. The Contract document shall consist of the following:

- i) Agreement signed on non-judicial stamp paper by Owner and Contractor.
- ii) Detailed Contract Order/LOA along with enclosures.
- iii) The tender Document along with the drawings, annexures, attachments, etc.
- iv) Amendments to Bidding Document, if any.
- v) All forms which were uploaded in the web (technical bid & price bid)

**ATTACHMENTS TO THE TENDER FOR
DECONTAMINATION OF PROCESS EQUIPMENTS
IN DHDS COMPLEX AT MUMBAI REFINERY**

Section No	Description
1	PRE-QUALIFICATION CRITERIA ALONG WITH ANNEXURE-I & ANNEXURE II
2	INTEGRITY PACT AGREEMENT FORMAT
3	PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT
4	SCOPE OF WORK AND SPECIAL CONDITIONS OF CONTRACT
5	IMPORTANT SAFETY REQUIREMENTS FOR WORKING IN REFINERY PLANT AREAS - H2S GAS DETECTORS
6	E-BIDDING INSTRUCTIONS
7	FORM-B ----- COMPLIANCE-DEVIATION-EXCEPTION FORM
8	UNPRICE BID FORMAT
9	FORM-A
10	ANTI-PROFITEERING DECLARATION
11	FORMAT FOR BIDDER'S INFORMATION
12	GENERAL CONDITIONS OF CONTRACT
13	REVISED FINANCIAL DETERRENTS EFFECTIVE FROM 01.04.2014
14	VENDOR ADVISORY – ENVIRONMENTAL
15	QEHS Policy
16	POLICY OF HOLIDAY LISTING OF VENDORS IN BPCL

SECTION-1

PRE-QUALIFICATION CRITERIA

PRE-QUALIFICATION CRITERIA

The bidders who intend to participate in the tendering process shall meet all the following pre-qualification criteria – technical and commercial and only such bidders shall be considered for further evaluation.

S No	CRITERIA		REQUIREMENT
1	TECHNICAL	1.1	<p>Bidder should have executed and successfully completed repairs including allied painting jobs of Floating Roof Tanks (Hydrocarbon Service) in Petroleum Refinery or Petroleum installation/depot or Petrochemical Industry during the past seven years to be counted prior to tender due date .</p> <p>a) At least one job of value not less than Rs.330 Lakhs excluding taxes and duties on annualized basis*. OR b) At least two jobs of each valued not less than Rs.205 Lakhs excluding taxes and duties on annualized basis*. OR c) At least three jobs of each valued not less than Rs.165 Lakhs excluding taxes and duties on annualized basis*.</p>
2	FINANCIAL	2.1	<p>Average annual turnover of the bidder during preceding three financial years upto 2016-2017.</p> <p>Not less than Rs. 125 Lakhs.</p>
		2.2	<p>Financial Net worth of the bidder as per latest audited report.</p> <p>Should be positive.</p>

* The contract values excluding taxes and duties mentioned against clause 1.1 will be considered on annualized basis, only if the contracts submitted by the bidder are having duration of more than one year.

Note to Bidders

- (1) Bidder should ensure submission of complete information/ documentation in the first instance itself. Qualification may be completed based on the details so furnished without seeking any subsequent additional information.
- (2) Bidder shall submit all relevant documents of their proven track records and satisfactory performance by giving detailed reference (email address/ contact details) of end user(s). Owner shall have the right to obtain feedback directly from any or all end user(s) about performance of the bidder.
- (3) Exchange rate for foreign currency conversion to Indian Rupees shall be considered as per the TT selling rate published by the State Bank of India on the previous working day of opening of the pre-qualification bid for PQ criteria evaluation.

- (4) The Bidder shall not be on the Holiday List of BPCL/ MOP&NG/any other Oil PSEs and shall submit the declaration for the same (**Annexure I**).

Other documents to be submitted:

- I. Company profile indicating organization structure of bidding entity.
- II. Audited Profit & Loss Account, Balance Sheets/Statement of Assets & Liabilities etc. for the immediately preceding three financial years. Further, for bidders who have not finalized their books of account for the financial year 2016-17, evaluation of these criteria would be done for the latest three financial years ending 2015-16 for which books of account have been finalized and audited.
- III. Vendor/Bidder to submit Purchase order copies along with job completion certificates and executed order value for the qualifying works.
- IV. Health, Safety and Environment Management Policy (HSE) policy.
- V. Integrity Pact and Declaration of holiday listing in enclosed format.
- VI. Submission of documents for specific experience as called for in the PQ criteria (**Annexure II**).

ANNEXURE - I

PROFORMA OF DECLARATION OF HOLIDAY LISTING

In the case of a Proprietary Concern:

I hereby declare that neither I in the name of my Proprietary concern M/s. _____ which is submitting the accompanying Bid / Tender nor any other concern in which I am a proprietor nor in any partnership firm in which I am involved as a Managing Partner have been placed on holiday list declared by Bharat Petroleum Corporation Limited/MOP&NG/any other Oil PSEs, except as indicated below:

(Here given particulars of holiday listing and in absence thereof state "NIL").

In the case of a Partnership Firm

We hereby declare that neither we, M/s. _____ submitting the accompanying Bid / Tender nor any partner involved in the management of the said firm either in his individual capacity or as proprietor of any firm or concern have or has been placed on holiday list declared by Bharat Petroleum Corporation Limited/MOP&NG/any other Oil PSEs, except as indicated below:

(Here given particulars of holiday listing and in absence thereof state "NIL").

In the case of Company

We hereby declared that we have not been placed on any holiday list declared by Bharat Petroleum Corporation Limited/MOP&NG/any other Oil PSEs, except as indicated below:

(Here given particulars of holiday listing and in absence thereof state "NIL").

It is understood that if this declaration is found to be false in any particular, Bharat Petroleum Corporation Limited shall have the right to reject my / our bid, and, if the bid has resulted in a contract, the contract is liable to be terminated.

Place: _____

Signature of the Bidder _____

Date: _____

Name of the Signatory _____

Annexure II

Submission of documents for specific experience as called for in the PQ criteria

Submission of authentic documents is the prime responsibility of the bidder. Wherever BPCL has concern or apprehensions regarding the authenticity/correctness of any document, BPCL reserve the right to get the documents cross-verified from the document issuing authority.

All documents furnished by the Bidder in support of meeting the BQC including the documents against MSE, if any, shall be signed and stamped by the bid signatory and shall be:

EITHER

"duly certified by Statutory Auditor of the bidder or a practicing Chartered Accountant (not being an employee / Director and not having any interest in the bidder's company) where audited accounts are not mandatory as per law (in line with the present system)"

OR

"Bidder shall submit documents duly notarized by any notary public in the bidder's country or certified true copies duly signed, dated and stamped by an official authorized for this purpose in Indian Embassy/ High Commission in Bidder's country."

OR

"Bidder shall submit self-certified documents in original from any one out of CEO or CFO or Company Secretary of the bidder (Limited company only) along with Self-Certification as per **Form-I** attached in Bidding Document. This option shall not be applicable to Proprietorship/ Partnership firms."

Requirement of above certification shall not be applicable to published audited annual financial statements in English, if original booklets are submitted.

In the event of submission of any document/ certificate by the bidder in a language other than English, the bidder shall get the same translated into English and submit the same after getting the translation duly authenticated by local Chamber of Commerce of bidder's country."

All the certified documentation against BQC (including the documents against MSE) shall be uploaded by the bidder on BPCL e-tendering website along with the e-bid.

Bidder should ensure submission of complete information/documentation in the first instance itself, in support of their fulfilling the qualification/eligibility criteria. BPCL reserve the right to complete the evaluation based on the details furnished without seeking any additional information. Subsequent to the submission of bid, bidders are not allowed to change the price or substance of the bid.

Form-I

SELF CERTIFICATION

I, _____ S/o/D/o of _____, working as CEO/CFO/Company Secretary (indicate, as applicable) of the Company _____ having its registered office at _____

_____ certify that all the details including documents pertaining to Bidder Qualification Criteria signed by undersigned vide our offer reference _____ against your Enquiry document _____, are true, authentic, genuine and exact copy of its original.

It is certified that none of the documents are false/forged or fabricated. All the documents submitted has been made having full knowledge of (i) the provisions of the Indian laws in respect of offences including, but not limited to those pertaining to criminal breach of trust, cheating and fraud and (ii) provisions of bidding conditions which entitle the BPCL to initiate action in the event of such declaration turning out to be a misrepresentation or false representation.

I further certify that further documents, if any, required to be submitted by our company, shall be submitted under my knowledge and those documents shall also be true, authentic, genuine, exact copy of its original and shall not be false/forged or fabricated.

Signature of authorized representative

DECLARATION

I, _____ S/o/D/o of _____, working as
CEO/CFO/Company Secretary (indicate, as applicable) of the Company
_____ having its registered office at
_____ with reference to our bid
_____ against your Enquiry document
_____, declare that in case, at a later date, any of the document
submitted in our bid referred above is found to be false/forged or fabricated, I, shall be
held responsible for the same and BPCL has every right to take action against me and my
company, as deemed fit as per provisions of the bidding documents including BPCL's right
to put our company on Holiday/Black list for future business with BPCL.

Signature of authorized representative

SECTION-2
INTEGRITY PACT

INTEGRITY PACT

Between

Bharat Petroleum Corporation Limited (BPCL) hereinafter referred to as "The Principal", And

.....her
einafter referred to as "The Bidder/ Contractor/ Supplier".

Preamble

The Principal intends to award, under laid down organization procedures, contract/s for **"RATE CONTRACT FOR CARRYING OUT MECHANICAL JOBS ON FLOATING ROOF AND INTERNAL FLOATING ROOF (IFLR) PETROLEUM STORAGE TANKS AT BPCL[MR] FOR A PERIOD OF TWO YEARS"** The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s, Contractor/s and Supplier/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organisation "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an Independent External Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 - Commitments of the Principal

- (1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - a) No employee of the Principal, personally or through family members, will in connection with the tender, or the execution of the contract, demand, take a promise for or accept, for himself/ herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
 - b) The Principal will, during the tender process, treat all Bidders with equity and reason. The Principal will, in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/ additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
 - c) The Principal will exclude from the process all known prejudiced persons.

- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder/ Contractor/ Supplier

(1) The Bidder/ Contractor/ Supplier commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

- a) The Bidder/ Contractor/ Supplier will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person, any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange, any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - b) The Bidder/ Contractor/ Supplier will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
 - c) The Bidder/ Contractor/ Supplier will not commit any offence under the relevant Anti-Corruption Laws of India; further the Bidder/ Contractor/ Supplier will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder/ Contractor/ Supplier will, when presenting his bid, disclose any and all payments he has made, is committed to, or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- (2) The Bidder/ Contractor/ Supplier will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 - Disqualification from Tender Process and Exclusion from Future Contracts

If the Bidder, before contract award, has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

- (1) If the Bidder/ Contractor/ Supplier has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is also entitled to exclude the Bidder/ Contractor/ Supplier from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressors within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.
- (2) A transgression is considered to have occurred if the Principal after due consideration of the available evidences, concludes that no reasonable doubt is possible.
- (3) The Bidder accepts and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.
- (4) If the Bidder/ Contractor/ Supplier can prove that he has restored/ recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

Section 4 - Compensation for Damages

- (1) If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to Earnest Money Deposit/Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor/ Supplier liquidated damages equivalent to Security Deposit/ Performance Bank Guarantee.
- (3) The Bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/ Contractor/ Supplier can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount of the liquidated damages, the Bidder/ Contractor/ Supplier shall compensate the Principal only to the extent of the damage in the amount proved.

Section 5 - Previous Transgression

- (1) The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors/ Suppliers/Subcontractors

- (1) The Bidder/ Contractor/ Supplier undertakes to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors/ Suppliers and Subcontractors.
- (3) The Principal will disqualify from the tender process all Bidders who do not sign this Pact or violate its provisions.

Section 7 - Punitive Action Against Violating Bidders/ Contractors/Suppliers/ Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor, Supplier or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor, Supplier or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - Independent External Monitors

- (1) The Principal has appointed competent and credible Independent External Monitors for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
- (3) The Bidder/ Contractor/ Supplier accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Bidder/ Contractor/ Supplier. The Bidder/ Contractor/ Supplier will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to this project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat

the information and documents of the Bidder/ Contractor/ Supplier/ Subcontractor with confidentially.

- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Bidder/ Contractor/ Supplier. The parties offer to the Monitor the option to participate in such meetings.
- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendation. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action. However, the Independent External Monitor shall give an opportunity to the Bidder/ Contractor/ Supplier to present its case before making its recommendations to the Principal.
- (6) The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
- (7) If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- (8) The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor/ Supplier 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.

If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by Chairperson of the Principal.

Section 10 - Other Provisions

- (1) This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. Mumbai. The Arbitration clause provided in the main tender document/ contract shall not be applicable for any issue/ dispute arising under Integrity Pact.**

- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Bidder/ Contractor/ Supplier is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- (4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

PPBhate

PP Bhate
Manager – CPO (R)

.....
For the Principal

Place: Mumbai

Date : 18.08.2017

.....
For the Bidder/ Contractor/
Supplier

Witness 1 :
(Signature/Name/Address)

Witness 2 :
(Signature/Name/Address)

SECTION-3

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT

**PROFORMA OF BANK GUARANTEE
(On non-judicial paper of appropriate value)
FOR EARNEST MONEY**

To
Bharat Petroleum Corporation Ltd.
(CPO) Refineries
Mumbai Refinery, Mahul
MUMBAI 400074
Dear Sirs,

M/s.

_____ have taken tender for the supply of _____
for Bharat Petroleum Corporation Ltd.

The tender Conditions of Contract provide that the Bidder shall pay a sum of Rs. _____ (Rupees _____) as earnest money /initial / full security deposit in the form therein mentioned. The form of payment of earnest money / security deposit includes guarantee executed by Schedule 'A' Bank, undertaking full responsibility to indemnify Bharat Petroleum Corporation Ltd. in case of default.

The said _____ have approached us and at their request and in consideration of the premises we _____ having our office at _____ have agreed to give such guarantee as hereinafter mentioned.

1. We _____ hereby undertake and agree with you that if default shall be made by M/s. _____ in performing any of the terms and conditions of the tender or in payment of any money payable to Bharat Petroleum Corporation Ltd. We shall on demand pay to you in such matter as to you may direct the said amount of Rupees _____ only or such portion thereof not exceeding the said sum as you may from time to time require.

2. You will have the full liberty without reference to us and without effecting this guarantee postpones for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said _____ and to enforce or to for bear from endorsing any power of rights or by reason of time being given to the said which under law relating to the sureties would but for provision have the effect of releasing us.

3. Your right to recover the said sum of Rs. _____ (Rupees _____) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s. _____ and/or that any dispute or disputes are pending before any officer, tribunal or court.

4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up, dissolution or change of constitution or insolvency of the said _____ but shall in all respects and for all purposes be binding operative units payment of all money due to you in respect of such liabilities is paid.

5. Our liability under this guarantee is restricted to Rupees _____. Our guarantees shall remain in force until _____ unless a suit or action to enforce a claim under _____ Guarantee is filed against us within six months from _____ (which is date of expiry of guarantee) all our rights under the said guarantee shall be forfeited and shall be relieved and discharged from all liabilities thereunder.

6. We have power to issue this guarantee in your favour under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney dated _____ granted to him by the Bank.

Yours faithfully

SECTION-4

SCOPE OF WORK AND SPECIAL CONDITIONS OF CONTRACT

**DETAILED SCOPE OF WORK FOR FLOATING ROOF TANK & INTERNAL
FLOATING ROOF (IFR) TANK**

SECTION-1

NOTE: BASED ON REQUIREMENTS CONTRACTOR MAY BE ASKED TO CARRY OUT M&I ACTIVITIES OF FIXED ROOF TANKS ALSO.

Carry out repairs of tanks as per inspection / operation notification / recommendations and instructions of Engineer In Charge.

The scope includes all the work detailed in the attached Technical Specifications and listed in `line item descriptions.

1. Obtaining all clearance before start of the job including the Tank / vessel entry permit as per BPCL safety rules and Regulations and work permit system.
2. Blinding / de blinding of flanges & valves for isolation of tank / opening / closing of manway / clean out door /Roof man holes / P&V, PV etc. as per instruction of BPCL site in charge.
3. All PPE shall be strictly complied while executing the Tankage maintenance jobs.
4. Exhaust fan if required shall be arranged by the agency and fitted for exhaust / weathering. However, the power point shall be given from the nearest available point. The agency shall arrange for cable, including ELCB extensions boards etc. in confirmation with the BPCL electrical safety requirements.
5. After cleaning of tank sludge, the scrapping of wall and disposal of rubbish shall be done at any place within the refinery or outside as per instruction of engineer in charge.
6. Tank shell, roof & bottom replacement, other structural job and pontoon repairing to be done as per inspection recommendation. Squaring of untrimmed plates, Butt & fillet welding of plates & structure, if required. D.P. test & radiography of joints to be done. The agency has to keep vacuum box testing equipments for testing of weld joints, brazing facility (equipments, welder & electrodes) for required overlaying of brass on dip hatch. Hydro test of tanks & steam coils to be done as per inspection recommendation.

7. New / existing structures of the tank are to be shot blasted / scrap cleaned as per instruction of inspection/engineer in charge. For replacement roof plates / bottom plates as per notification / engineer in charge, under side shot blasting / painting of plates are to be done before erection. Goose neck / breather valves are to be cleaned in all fixed roof tanks up to roof nozzles and it is to be offered for inspection.

8. Shot blasting / scrap cleaning of shell inside / outside of the tank is to be carried out with proper scaffoldings for visual inspection / thickness survey. The shots to be used for the blasting shall conform to latest code in practice. It shall be shown to our Inspection department before use. After cleaning by shot blasting the surface condition should be as per standard code & it should be confirmed by our Inspection department. The rating of compressor should be 7.5 kg or more.

9. Tank pad shall be repaired as per site condition with bitumen premix as per BPCL Specification and as per the direction of engineer in charge.

10. The job shall be carried out for Tank M&I as per the schedule or the contractor may be asked to work on round the clock basis as and when required.

11. Water fill up test to be carried out after completing all the mechanical jobs as per notification / instruction of engineer in charge of the tank including check list jobs, the same to be offered for mechanical clearance prior to water fill up test. Man power is to be provided exclusively for water fill up test up to the completion of water fill up test and draining on 2 shifts for round the clock basis.

12. Required hydraulic jacks to be provided in case of tank shell replacements / providing of additional shell to the existing tanks, including required detail study and same to be submitted for approval including test certificates.

13. Remove all vegetation around the tank, POP, tank mound. Tank pathway etc and dispose as per instruction of Engineer in-charge.

14. Provide assistance during tank inspection.

15. Safety precautions to be taken as per BPCL standard while executing the jobs.

16. Servicing of water sprinkler and foam lines and its testing as per fire and safety and inspection requirements shall be in contractor's scope.

17. Servicing and easing of all types of valves (to the Satisfaction of BPCL site in charge) connected with tanks shall be in contractor's scope. No separate payment shall be made in this regard.

18. Housekeeping needs to be maintained at all tank sites on regular basis. The debris generated during the course of tank job, non-metallic parts etc. to be disposed outside refinery by the contractor without any additional cost to BPCL.

19. Painting shall be guaranteed as per AES 5430 Rev 1. Damage/deterioration of paint within period stipulated in AES 5430 Rev 1, if any, shall be repaired by contractor at no additional cost to BPCL.

20. After water fill up test, Internal cleaning of tank bottom with sweet water (if necessary by hydrojetting) to be carried out. After this, Salt content checking of bottom by paint manufacturer's Inspector/NACE certified inspector prior to painting to be arranged by contractor. These activities to be carried out till the requirements of painting specification (Latest AES 5430 Attached as part of Annexure with this tender) are met. No additional payment will be done for this activity.

21. Painting should be carried out as per latest revision of AES 5430 which includes

Each contractor shall deploy adequate number of NACE CIP Level 1 qualified coating inspectors to monitor and inspect the surface preparation, storage, handling, mixing and application on substrate of the painting/coating and to ensure the compliance of this specification. The Inspection test plan which will be mandatory part of the contract shall be prepared by the above qualified inspector and get approved by BPCL. The CONTRACTOR's qualified coating inspector and BPCL shall sign an inspection report as per approved inspection test plan.

22. Bidders to note that use of Hydra is banned in Refinery. Contractors shall alternatively use hydraulically operated pick and carry cranes with safety features namely rear mounted boom

for clear vision to the operator and provision of out riggers based on load lifting requirements.

23. Special condition for Crude tank

23.1 Contractor shall mobilize the adequate capacity dehumidification unit at site for all internal painting work, if required. The surrounding air dew point shall be maintained 5 degree celsius below the prevailing surface temperature. The relative humidity shall be maintained not more than 45% from preparation to curing of coatings.

23.2 The contractor shall ensure proper functioning of the dehumidification unit, measuring RH and temperature, measuring air flows and maintained 24 hours till coating work is completed in the tank.

23.3 All paints and consumables for a particular tank painting work shall be sourced from one manufacturer only to have desired paint performance, guarantee and single point responsibility.

23.4 Painting contractor shall deploy adequate number of NACE CIP Level 2 qualified coating Inspectors to supervise, monitor, inspect & control entire painting process right from the surface preparation, storage, handling, mixing and application on substrate of the painting/coating and to ensure the compliance of this specification. These qualified painting inspectors will report to and shall get guided by BPCL Inspection Dept.

23.5 Each contractor shall possess relevant standards and deploy all inspection tool/instrument to carry out the all above inspection and testing as per relevant standard.

23.6 Organizing of testing all the painting parameters, supply of all the testing instruments, consumables for testing each parameter as defined in AES 5430 clause 7.10, including getting accepted by BPCL, shall be the responsibility of painting contractor.

23.7 The Inspection test plan which will be mandatory part of the contract shall be prepared by the above qualified coating inspector and get it approved by BPCL inspection department. The Contractor's qualified coating inspector and BPCL shall sign an inspection report as per approved inspection test plan.

23.8 The report shall consist, as a minimum, of the following in addition to the inspection parameters and acceptable criteria :

8.8.1 Names of the applicator and the responsible personnel.

- 8.8.2 Dates when work was carried out.
- 8.8.3 Paint testing parameters tested
- 8.8.4 Equipment and techniques used.
- 8.8.5 Type and calibration of instruments used.
- 8.8.6 Weather and ambient conditions.

23.9 Frequency and Guarantee of painting

23.9.1 Painting Contractor shall furnish Guarantee for minimum 10 years for both internal and external painting with shot blasting as per AES 5430 Annexure - B, C, D & E.

23.9.2 BPCCL reserves the right to invoke the guarantees in case contractor (paint applicator) or contractor fail to repair the paint failed area within reasonable time.

SECTION-2

1.0 TECHNICAL - SPECIFICATIONS

1.1 FABRICATION

a) General

Workmanship and finish shall be first class throughout and all work shall be subject to the closest stage wise inspection. All plates shall be transported in tractor or trailer and shall not be dragged.

All materials which are under contractor's scope of supply shall accompany with proper test certificates.

Following shall be the general material specification.

Bolts	A193 Gr.B7
Nuts	A194 Gr.2H
Structurals	IS 2062
Flanges	ASTM A105
Pipe fittings	ASTM A234 WPB

Pipe thickness schedule:

Upto 1-1/2"	Sch. 80
2" to 6"	Sch. 40
8" to 16"	Sch. 30

b) Straightening

Straightening of material shall be done by pressing or other non-injurious methods before the material is laid out or worked on in any way. Materials shall not be hammered for straightening.

c) Plate-edge preparation / Squaring of plates

All edges shall be examined and plates showing laminations, slag inclusions, edge cracks or other defects shall be replaced with new plates.

The edges of plates shall be sheared, machined, chipped, or cut with a machine-operated gas torch. Shearing shall be limited to plates 10mm or less in thickness with appropriate and approved machines.

When the edges of plates are cut with a torch the resulting surface shall be uniform and smooth and shall be free from scale and slag accumulations before welding.

Curved edges of roof or bottom annular plates may be cut with a hand operated gas torch.

d) Tolerances

In cases of shell replacement, the profile of all shell plates shall be accurate within a tolerance of + 1.5 mm in length and + 0.8mm in width. Negative tolerance will not be acceptable. In addition, to ensure that plates are truly rectangular, the length of the diagonals measured across the rectangle formed by scribing lines 50 mm from each edge shall not differ by more than 3 mm.

For roof and bottom plates with lapped seams, normal tolerances are acceptable.

e) Rolling and pressing

In cases of shell replacement / addition of new shells, all shell plates shall be rolled to the correct tank curvature and all formed plates shall be match marked with paint on the concave side with number as shown on erection drawings. , All rolled shell plates shall be stacked properly to retain the shape and shall be handled carefully to avoid damage during transit.

1.2 WELDING (In cases of repair/replacement)

1.2.1 DESIGN

All welding of tank plate, steel framing, structural attachments, mountings, nozzle attachments etc. shall be carried out by qualified welders. Suggested plate edge joints are as follows:-

a) Vertical joints

Single-vee butt joints may be used for plate thickness of 6mm or more, but shall not be used for plate thickness exceeding 13mm.

b) Horizontal joints

Single-bevel butt joints may be used for plate thickness upto 13mm. Double bevel butt joints may be used for plate thickness over 13mm.

c) Bottom Plate Joints

All lap joints on rectangular and annular plates shall be full fillet-welded on the top side only. Minimum lap shall be five times the thickness of the plate.

Annular plate radial seams connecting the ends shall be butt-welded and shall have complete penetration for the full thickness of the annular plates, with a backing strip of at least 5 mm thickness. The joint design of annular plate to the D manway reinforcement plate shall conform to API-650.

d) Bottom to shell plate joint

The shell plates shall be continuously welded on both sides to the bottom annular plates. The leg length of both fillet welds shall be equal to the thickness of the bottom plates or annulars.

e) Rectification of tank pad / tank mound below annular plates / bottom plates etc. to be done as per instruction of inspection / Engineer in charge as per standard

1.2.2 SHELL PLATES

a) Shell butt joints shall be made as follows:

All seams shall be butt-welded from both sides of the plates.

All vertical butt joints, whether single-vee or double vee, shall have complete weld penetration through the full thickness of the parent plate.

All horizontal single bevel and double bevel butt joints shall have complete penetration through the full thickness of the parent plate.

In single-vee or single-bevel butt joints the vee or bevel shall be made on the outside of the tank.

b) Top curb angle shall be lap/butt welded to the top course with flange turned outside.

c) Wind girders shall be welded to the tank at the location shown in the respective tank drawings. These shall be of plate construction as shown in the drawings duly reinforced with gussets or struts to the shell. Welding shall be of same quality as used for shell.

d) The wind girders and curb angle joints shall not coincide with the vertical shell plate welds.

e) Vertical joints should preferably be offset by at least 1000 mm.

f) Holes shall not be made to shell plates for erection purposes.

g) For floating roof tank, internal diameter shall be maintained in all shell.

1.2.3 FLOATING ROOF

a) Design, fabrication and erection of the roof plates shall confirm to API-650/653.

b) In case of roof renewal, deck shall have a level surface with a permanent slope towards the drain sump to avoid stagnation of rain water if any.

c) When floating roof is in the highest position tank shall be capable of holding the designed capacity.

d) Underside of deck plates of floating roof shall be stitch welded throughout i.e. 50 mm stitch weld at an interval of 250 mm, if recommended by inspection.

1.2.4 WELDER QUALIFICATION

All welding of tank plates, steel framing, structural attachments and mountings done in the field shall be carried out by qualified welders. The welders employed shall satisfactorily pass welding tests as prescribed by the BPCL Inspection. The testing shall be conducted in the way as specified in the relevant standards. Contractor shall make all the arrangements for such tests at his own costs in the presence of BPCL Engineer-in-charge. Only those welders qualified and certified by BPCL Inspector shall be allowed to carryout the welding jobs. Each approved welder shall be issued an identify card, which will be required to be carried while working and produced on demand by any BPCL representative. He will be allocated an identification number which he shall stamp/mark by the side of each of the joints welded.

BPCL shall monitor on continuous basis the performance of each welder employed. Such welders as evaluated below the standard shall be debarred from further welding and required to be re-qualified.

1.2.5 SEQUENCE OF WELDING

The sequence employed both for the tank welding and final welding of the bottom, shell and roof plates shall be arranged to minimise the distortion due to weld shrinkage. The sequences shall be submitted and got approved by the BPCL Inspection before start of renewal / repair work.

1.2.6 WEATHER CONDITION

Welding shall not be carried out when the surfaces to be welded are wet, when rain is falling or high winds are blowing, unless the welder and the work are properly shielded.

1.2.7 ELECTRODES AND WELDING WIRES

All electrodes shall be stored in a dry place and retained in their sealed packages. Basic or low hydrogen electrodes are to be used when the plate thickness is 0.5 inch or more including attachment of such shell courses to bottom or annular plates. Baking and retaining of low hydrogen electrodes shall be strictly adhered to as follows:

Baking = Min. 300 Deg. C

Retaining = Min. 150 Deg. C

Electrodes for various plates material shall be as follows:

IS 2062 > 12 mm = E7018

IS 2062 < 12 mm = E6013

1.2.8 TACK WELDS

Tack welds used in the vertical joints between shell plates and in the horizontal joint between the bottom course of shell plates and the bottom plates, during the assembly of the tank, shall be removed and shall not remain in the finished joints.

Tack welds in the horizontal joints between shell plates, and in the joints between roof plates and shell plates, need not be removed, provided that they are sound and free from cracks, that the covering beads are thoroughly fused into them, and that the quality of the welding is to the satisfaction of BPCL Inspection.

1.2.9 WELDING PROCEDURE

The welding procedure shall also include the following:

a) In multi-layer welding each layer of weld metal shall be thoroughly cleaned of slag and other deposits before the next layer is applied. All completed welds shall be freed from slag, brushed and thoroughly cleaned before final inspection and subsequent painting.

b) The reverse side of double welded vertical butt joints shall be back-chipped before the application of the first run of welding to this side, in a manner which will leave the exposed surfaces accessible and satisfactory for the fusion of the weld metal to be added.

c) There shall not be any undercutting of the base metal.

d) The weld metal on both sides of all butt joints except offset face of horizontal joints of unequal plate thickness, shall be built-up in the form of an overlap so that all the finished face in the area of fusion shall extend above the surface of the adjoining plate to a height of preferably not more than 1.5 mm.

e) The edges of all welds shall merge with the surface of the adjoining plates without a sharp angle.

f) Peening of welds shall not be carried out except by agreement between the contractor and the BPCL Inspection. The final layer of the weld shall never be peened.

1.3 ERECTION

1.3.1 Erection method

In case of shell courses renewal / replacement / Provision of additional shell courses to existing tanks etc , the shell erection shall be done by providing internal / external Jacking up method only. All approved jacks to be used for the same. The contractor shall outline the method of erection, and handling plates / structurals etc. for approval by BPCL. Any deviation from this procedure shall be only on advise of BPCL inspection.

a) Erection holes and attachments

Holes in plate work, to assist in erection, are not permitted. Lugs, nuts, clamps, and other devices to assist in erection may be attached to the tank plates by welding but all such attachments required only for the purposes of erection shall ultimately be removed and any noticeable projections of weld metal remaining shall be carefully ground or chipped away. Plates shall not be gouged or torn in the process of removing attachments, and any indentations caused thereby shall be filled with weld metal and ground flush with the plate surfaces. The same shall be subjected to DP test for any surface cracks.

1.3.2 SHELL TOLERANCES

In case of bottom shell course renewal

a) General

Before final welding of the bottom course of shell plates begins, a check should be made to ensure that the alignment of the plates and the width of the gaps between them are correct, and that any inaccuracies are within the tolerance mentioned below. If the tolerances are exceeded, the plates shall be re-aligned before final welding begins.

Care shall be taken to minimize lack of circularity or distortion between the top and bottom of the tank shell, whether due to welding or any other cause. The BPCL reserves the right to defer acceptance if there is excessive shell plate

buckling, until the fault has been rectified to the satisfaction of BPCL.

After welding the bottom course, the distance from a common center to any two points on the inside of the tank shell plates at the tank bottom shall not differ by more than 1 mm per meter and shall never exceed 25 mm.

b) Verticality of the tank shell

After completion, the shell shall not be out of vertical by more than 1 in 250 of its height. The tolerance shall apply to the tank shell as a whole and should also be used as a guide for each individual course.

c) Local departures from the design form

The local departure from the design form for the shell horizontally and vertically shall not exceed 16 mm, when measured over a gauge length of 2.5 mtr. remote from the weld seams.

d) Banding and Peaking: Shall confirm to requirements stated in API : 650

e) Tolerances for misalignment of plates at butt welded joints

Plates to be joined by butt welding shall be matched accurately and retained in position during the welding operation. Misalignment of the center line of the plates shall not exceed the following :

-In completed vertical joints, 10 percent of the plate thickness, or 1.5 mm for plates 19 mm (3/4 in) thick, and under and 3 mm for plates over 19 mm thick, whichever is the larger.

-In completed horizontal joints, 20 percent of the upper plate thickness, or 1.5 mm for plates, 8 mm (5/16 in) thick and under and 3 mm for plates over 8 mm thick, whichever is the smaller.

1.3.3 SEAL: New foam seals shall be erected in the following cases

- (a) When the existing seal is of mechanical type
- (b) When the existing foam seal has deteriorated
- (c) When recommended by inspection

a) Foam seal shall exert sufficient sealing pressure in all directions to prevent evaporation loss. Sealing arrangement shall ensure that vapour space is left between shell and rim in its entire movement.

b) Foam seal shall have excellent flexibility and recovery from compression to accommodate tolerance in tanks and at the same time permit the roof to move up and down freely.

c) Sample testing if insisted by BPCL shall be carried out by the contractor at his own cost in any outside Laboratory.

d) The following shall be the minimum material specification.

Foam - ASTM D1564 - 1970

Seal cover - Nylon reinforced Neoprene sheet

Fixing bolts, nuts - SS 304

e) Reading between floating roof and shell to be taken as per instruction of engineer in charge / inspection during roof floatation test /water fill up test and to be documented.

1.3.4 : Roof drains

Up to 20 m dia, roof drain line should be 4 dia

From 20 m dia to 60m dia, roof drain line should be of 6 dia.

Above 60 m dia, roof drain line should be of 8 dia.

a) All swivel joints shall be individually tested at 7.0 kg/cm²g pressure before putting into roof drain assembly. Swivel joints shall conform to IND 3860 Rev 'B'. After assembly of roof drain line hydrotest at 5 kg shall be carried out.

b) The roof drain line assembly including the roof sump shall conform to BPCL standard drawings.

2.0 INSPECTION AND TESTING

2.1 STORAGE TANKS

2.1.1 General

The contractor shall carryout the various tests based on comprehensive Inspection reports as per API 650/653 IS 803, drawings, technical specifications. For the entire test either on the field or at outside laboratories, the execution of work and supply of material shall be carried out by the contractor at his own cost. All test shall be witnessed and certified by BPCL Inspection. WPS, plan shall be submitted and certified by

BPCL Inspection for prior approval. The contractor shall inform well in advance about all inspection stages to Engineer-in-charge.

The contractor shall provide to BPCL Inspection all facilities along with manpower assistance, lighting, tools and tackles, special instruments etc. for ensuring that work is carried out in accordance with the requirements of this specification and in accordance with the relevant codes.

The sample Quality Assurance plan is attached herewith. The contractor shall strictly adhere to the same.

2.1.2 : Visual inspection of Welds

All site welding shall be subjected to close visual inspection by competent welding Inspectors of the contractor to ensure safeguards against failures or bad practices. However BPCL inspection shall be final and binding.

Particular attention shall be paid to the vertical and horizontal joints in the shell plates, butt joints in bottomannular plates and other joints that pass under the shell plates.

All these joints shall be thoroughly de-slagged by chipping and brushing, and examined between each run of weld metal for failure such as lack of fusion, surface cracks, slag inclusions and undercutting. Special care shall be taken in examination of double-vee or double-bevel joints before welding the second side.

All the above requirements to be met before offering for BPCL inspection.

The following requirements are to be met:

- a) The profile of fillet welds shall be such that leg lengths are equal within 1.5 mm and the surface of the weld is slightly convex and free from overlap at the toes of the weld.
- b) The profile of butt welds is uniform, slightly convex and free from overlap at the toe of the weld.
- c) The height and spacing of ripples are uniform.

- d) The weld is free from undercutting.
- e) There are no pronounced lumps or cavities caused by starting or finishing weld beads.
- f) The surface of the weld is free from cavities and trapped slag and does not display any porosity.

2.1.3: Radiographic Inspection of welds.

- a) Butt-welds in the tank shell and bottom annular plates shall be radiographically inspected. In addition to the extent of radiography mentioned in API-650 all the shell 'T' joints shall be 100% radiographed. All the bottom annular joints shall be spot radiographed. Location of radiographic joint will be at the discretion of BPCL Inspection and as per relevant codes. The minimum size of the film for 'T' joints shall be 7-1/2" x 5".
- b) Radiographs shall be taken as soon as welding of joint is completed. If repairs are required, these shall be carried out before starting other welds.
- c) All radiographic inspections shall be strictly as per API 650 or as instructed by BPCL Inspection interpretation by BPCL inspection shall be final and binding on the contractor.

2.1.4 Weld Defects

Welds that are shown by radiography to have any of the defects or imperfections defined in the following shall be judged to be unacceptable, and the BPCL Inspection shall decide to what extent the welds have to be repaired. Interpretation by BPCL Inspection shall be final.

- a) Any cracks, incomplete fusion or incomplete penetration shall be judged unacceptable.

b) Slag Inclusions

Repairs as recommended by BPCL inspection.

c) Porosity

Any gross porosity can be a reason for rejection.

2.1.5 Repairs to welds and additional radiography

a) Vertical seams

When any of the defects defined above are present in a vertical seam, two additional spots in the same seam shall be examined in order to determine the limits of the defective welding.

These spots shall be on either side of the original spot at locations to be indicated by BPCL Inspection. If the welding at either of the additional spots does not confirm to the minimum quality requirements, the vertical weld seam shall be fully radiographed.

b) Horizontal seams

When any of the defects are present in a horizontal seam, two additional spots in the same seam shall be examined in order to determine the limits of the defective welding. These spots shall be on either side of the original spot at locations to be indicated by BPCL Inspection.

If the welding at either of the additional spots does not confirm to the minimum quality requirements, additional spots shall be examined until the limits of the defective welding are determined.

c) Repairs and re-examination

All defective joints which have been re-welded shall be re-examined as may be required by BPCL Inspection and shall confirm to the minimum quality requirements given above.

2.1.6 All other radiography

The butt welds of steam coil piping, roof drain piping etc. shall be subject, to spot radiography. The procedure and inspection shall be as per ANSI 31.3

2.1.7 Testing

All equipment and allied facilities inclusive of requisite manpower required for testing shall be supplied by the contractor.

All testing hydrostatic, pneumatic etc. shall be started by the contractor only if the tank or concerned parts are mechanically cleared by BPCL Inspection. If any welding or modification is

carried out after the tests, all such tests shall be repeated by the contractor at his own cost.

2.1.7.1 Tank Bottoms

After welding of the bottom plates, all welds must be tested to ensure that the tank bottom is free of leaks by using a vacuum box. Necessary arrangements for the same to be made by the contractor. Before the vacuum box testing, the welds shall be thoroughly cleaned free of slag, wire brushed and the tack welds etc. shall be thoroughly ground smooth. For the detection of leaks soap solution shall be applied to all joints. Bottom air test shall be carried out only if recommended by BPCL inspection.

2.1.7.2 Tank Shell to bottom plate

Kerosene Chalk test shall be carried out for the tank shell to bottom plates joints. The joints shall be welded from one side only and on other side of it wet chalk shall be applied and after drying, kerosene from other side of joint shall be sprayed in presence of BPCL Inspection.

2.1.7.3 Shell Test

a) All welded lugs and brackets used during repair/renewal shall be carefully removed from inside and outside surface of the tank to the satisfaction of BPCL.

b) The contractor shall perform, the water fill up as per inspection recommendation. Minimum hold period (of water) at full capacity = 24 hrs. Contractor shall provide round the clock coverage during water fill up test and tank draining. Contractor shall clean the tank after testing. In case of any defect on workmanship, the same to be attended and re-tested by the contractor at his own cost. Necessary scaffolding if required throughout shall be erected by the contractor.

2.1.7.4 Floating Roof

The following test shall be carried out in accordance with API 650/653 and shall be witnessed by BPCL Inspection.

- a) Vacuum box test of deck plate joints.
- b) Flootation test.
- c) Pontoon air test

2.1.7.5 Shell Nozzles/ Clean out door / Manways etc.

Nozzle reinforcing plates and segments thereof shall be provided with $\frac{1}{4}$ in-diameter telltale hole located substantially on the horizontal centerline and open to the atmosphere.

The reinforcement pads / shell nozzles shall be stress relieved if required as per instruction of engineer in-charge/inspection, charts to be submitted for approvals. Nozzle / clean out door / manways Rf pads to be tested by applying upto 0.5 Kg pneumatic pressure between the tank shell and the reinforcement plate on each opening, using the telltale hole specified above. While each space is subjected to such pressure, soap check, linseed oil or another suitable material for detection of leaks shall be applied to all attachment welding around the reinforcement both inside and outside the tank. telltale holes to be blocked by plugging as per instruction / std.

2.1.7.6 Roof Drain

a) The individual swivel joints shall be hydrostatically tested at 7 kg/cm²g and they shall be rotated 360 Deg. and observed for any leakage.

b) Entire roof drain system shall be hydrostatically tested at 5 kg/cm²g after assembling.

2.1.8 Repair of Leaks

All leaks detected during testing shall be repaired to the satisfaction of BPCL Inspection and on completion of the entire work, tank shall be free from leaks. In the joints between shell plates or bottom plates, or both, the defective part shall first be cut out and repaired by welding.

When the tank is filled with water for testing, defects in the shell joints shall be repaired with the water level at least 300 mm below the repair work level.

2.1.9 Re-testing

After all defects have been repaired, the repaired welds shall be re-tested by the methods previously described.

SECTION-3

QUALITY ASSURANCE PLAN

SR. NO	ACTIVITY	EXAMINATION BY CONTRACTOR	INSPN BY BPCL	RECORD TO BE SUBMITTED BY CONTRACTOR
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A) PRIOR TO FABRICATION

1	Material-contractors supply		W	W	YES	(TEST CERTIFICATE)
2	WPS/PQR	W	W		YES	
3	Welder performance test		W	W	YES	
4	Radiography procedure		W	W	YES	
5	Joint numbering in drawing.		W	Rm	YES	
6	Baking Oven					
	- Portable	W	Rm		NO	
	- Heavy	W	Rm		NO	
7	Relavent drawings / layouts of roof / bottom to be made and submitted.		YES			

B) FABRICATION/ERECTION

I) BOTTOM PLATES

1	Plate size marking and cutting			W	Rm	
2	Plate layout over lap and fitup			W	W	YES
3	Sequence of welding to follow	W		Rm	YES	
4	Visual checking	W		Rm	-	
5	Radiography of annular plate	W		W	YES	
6	Vacuum Box testing	W	W	YES		

II) SHELL

1	Plate cutting, marking curvature checking etc			W	Rm	
2	Shell course alignment and fitup of vertical and circumferential joints	W	W	YES		
3	Visual and back chipping	W	W	YES		
4	Shell dia meter, circularity, perpendicularity straight edge and other dimensions and verticality.	W	W	YES		
5	Shell to annular fitup and welding	W	W	YES		
6	Location, size and alignment of nozzles and other opening alongwith RF pad	W	W	YES		
7	RF pad air test	W	W	YES		
8	Chalk-kerosene test for shell to bottom welding	W	W	YES		
9	Radiography interpretation	W	W	YES		
10	Stress relieving of all nozzles, clean out door.	W	Rm	YES		

III) FLOATING ROOF

1	Vacuum box tests of roof plates	W	W	YES		
2	M/ways fitup welding, nozzles	W	W	YES		
3	Chalk kerosene test of pontoon to deck joint	W	W	YES	W	YES
4	Air test of buoys and pontoons.	W	W	YES		
5	Shell to pontoon clearance.	W	W	YES		
6	Pontoon and deck plate fitup. Roof plate fit-up				W	W
	YES					
7	Seal fixing	W	Rm	YES		

IV) ROOF DRAIN

1	Welding and fitups	W	Rm	YES		
2	Hydrotesting	W	W	YES		
3	Swivel joint rotation test both shop and site (individual hydrotest)	W	W	YES		
4	Alignment supports checking	W	W	YES		

V) GRATINGS/FOAM LINE COOLING WATER LINE

1	Galvanising inspection	W	W	YES		
2	Welding inspection	W	W	YES		
3	Hydrotesting	W	W	YES		
4	Cooling system perf. Test	W	W	YES		

VI) APPURTENANCES DIPHATCH ANTIROTATION AUTO TANK GAUGING

1	Verticality	W	W	YES		
2	Welding	W	Rm	-		

VII) LADDER, STAIRCASE

1	Fit-ups	W	W	YES		
2	Welding	W	Rm	-		

C) TESTING

1	Mechanical clearance/ inspection clearance				W	W	YES
2	Hydrotesting	W	W	YES			
3	Pad settlement (in case of major renewals)				W	W	YES

D) PAINTING

1	Shot blasting	W	W	YES			
2	Manual scrap cleaning				W	W	YES
3	Primer Coat	W	W	YES			
4	Tie coat & Top coat				W	W	YES

SECTION-4

SCAFFOLDING SPECIFICATION

Contractor to erect the scaffolding as per BPCl standard. All the conditions laid down in BPCl safety Manual should be

followed especially Chapter 14.01 Scaffolding and 14.02 Work at Height

General

-Provide a safe and suitable scaffold or other suitable means if the work cannot be safely carried out from grade level.

-Scaffolds should be provided with safe means of access, such as stairs or ladders. Ladders should be secured against inadvertent movement.

-Every scaffold should be properly designed, constructed, erected and maintained so as to prevent collapse or accidental displacement when properly used.

-Every scaffold and parts thereof should be: Designed so as to prevent hazards for workers during erection and dismantling; Designed so that guard rails and other protective devices, platforms, putlogs, rakers, rasoms, ladders, stairs or ramps can be easily put together. Of suitable and sound material and of adequate size and strength for the purpose for which it is to be used and maintained in a proper condition.

Materials of construction

-Scaffolds are to be made from heavy class welded or seamless steel tubes of 40mm nominal bore conforming to IS 1161.

-Steel tubes for individual component type scaffolding shall be of 6ft., 8ft., 10ft., 12ft., 14ft., 16ft., and 20ft. in length and may be either galvanised or plain. Plain steel tube shall be protected against corrosion by two coats of red oxide primers or zinc phosphate primer. The plain ends of tubes shall be chamfered off preferably to 3 mm.

-Straight clamps should be used to connect two tubes at 90 degrees. Cross clamps or swivel camps should be used to connect two tubes at an angle.

-Bolts and Nuts used shall be of mild steel/black bolt conforming to IS 1362.

-The boards shall be of size 8ft. by 1ft., 10ft. by 1ft. & 12ft. by 1ft. (Length into breath) and thickness 1.1/2 ft. The ends

of the boards shall be protected against abrasion with 2.1/4in. aluminum strips.

-Metal boards shall be used in all cases. In no case, wooden planks shall be used.

-Under no circumstances cracked, damaged or boards without metal strips shall be used.

-Within running process plants, only steel boards shall be used.

-Where steel boards are used, use still wire rope for tying the boards. For tying wooden boards, use good-quality fiber ropes.

-No rope which is defective whether through contact with acids or other corrosive substances or otherwise should be used on scaffolds.

-Materials used in the construction of scaffolds should be stored under good conditions and apart from any material unsuitable for scaffolds.

-All tubes, couplers and fittings used for scaffolds should be free from damage and distortion and should be maintained in an oiled condition.

-Couplers should not cause deformation in tubes. Couplers should be made of drop forged steel or equivalent material.

-Tubes should be free from cracks, splits and excessive corrosion and be straight to the eye.

Construction

-Clear the area of all unwanted materials.

-Ensure the ground is firm. If excavation work is being carried out in the vicinity, ensure that uprights are not likely to slide or cave in.

-The distance between uprights is dependent upon the height and load to be carried by the scaffold but shall never exceed 2.5 mtrs. All up rights shall be supported on metallic base plates of suitable size and must be straight.

-Except on the side adjacent to the site of work all uprights shall extend at least 900 mm above the top most working platform

to enable handrails to be fitted. Handrails shall be 450 mm and 900 mm above the platform level all along the periphery. Railings are essential parts of scaffolds and must be provided for all working platforms higher than 2 m above the floor level. Railings may be made of scaffold pipes and should be mounted on uprights.

-The vertical distances between ledgers may vary between 1.3 to 2.1 m depending upon whether access is required under the platforms.

-The horizontal Center distance between transoms and putlogs carrying 32mm thick boards shall not exceed 1.5 m.

-Provided toe boards along all sides of the working platform to eliminate the hazard to the workmen, tools or other objects by falling from the platform. Allow no opening between the platform flooring and the toe board.

-The number of boards required on any platform is dependent upon the requirement viz. For the workmen and normal tools, minimum three boards of 300 mm width are required to be placed without any gap in between; For the workmen, normal tools and other materials like valves/flanges etc. minimum 4 boards of 300 mm width are required to be placed without any gap in between.

-In all the above two cases, railings and toe boards as specified should be provided to prevent fall.

-Platform boards shall be suitably clamped or tightened with fiber rope.

-The end of the scaffold board shall not extend more than 150 mm or less than 125 mm beyond the transoms auto putlogs.

-If the scaffold is to embrace equipment or pipelines operating at high temperatures, due care is to be taken to ensure that boards clear the surface of the equipment or pipelines by at least 150 mm. However in such cases it is advisable to use metal boards.

-The ledgers should not extend more than 250 mm beyond the upright at the ends. It is also safe the use rubber covers at ends to prevent injury to people moving in the area.

-Safety belts have to be used while working at height above 2 m and it has to be suitably anchored.

-Any scaffold consisting merely of uprights, ledgers and transoms or putlogs is not a rigid or stable structure. Every scaffold shall be effectively braced to make it rigid and tied or guyed to make it stable. Scaffolds may be effectively tied to adjacent structure to ensure stability.

-Single post scaffold shall be braced longitudinally and transversely so that the scaffolds form a rigid and stable structure.

-A safe and convenient means of access should be provided to the platform level of a scaffold. Portable ladders may be used for this purpose up to a height the 4 m. When used, it must be placed at an angle of approximately 75 degrees from the horizontal. Both top and bottom should be secured to prevent displacement and the ladder rails should be extended at least 1 m above the landing platform. For platforms above 4 m, use fixed ladders with landings of minimum 600 mm extent at intervals not greater than 6 m.

-Provide barricade with danger sign around the scaffold to prevent persons pass underneath or near the scaffold and get hurt by falling object.

-After erection, the engineer on the job must inspect the scaffold and if found safe, shall put a "safe to use" board to allow persons to commence work on the scaffold.

-No person shall be allowed to climb a scaffold unless the "safe to use" board is displayed.

-Do not allow any person to work on scaffolds during storms or high winds. After heavy rains or storm, the engineer on the job should inspect scaffolds. Scaffolds should also be inspected every fortnight during use.

-Ensure that no un insulated electric wire exists within 3m of the working platform.

-The golden rule to ensure safety of a scaffold is to test it with a load at least three times that it will carry in service.

-Scaffolds should be designed for the maximum load and with a safety factor of at least 4.

-Scaffolds shall be adequately braced.

-Scaffolds, which are not designed to be independent, should be rigidly connected to a structure or a building at suitable vertical and horizontal distances.

-A scaffold should never extend above the highest anchorage to an extent, which might endanger its stability and strength.

-Sufficient putlogs and transoms should remain in position and securely fastened to the ledgers, uprights or standards, as the case maybe, to ensure the stability of the scaffold until it is finally dismantled.

-All scaffolds and appliances used as supports for working platforms should be of sound construction, have a firm footing, and be adequately strutted and braced to maintain their stability.

-When necessary to prevent danger from falling objects, working platforms, gangways and stairways of scaffolds should be provided with overhead screens of adequate strength and dimensions.

-Scaffolding materials should not be thrown from scaffolds or from heights. Other materials should only be thrown from scaffolds or heights where the landing area has been designated, protected, appropriate notice displayed and is under the supervision of a person on the landing level.

-As far as practicable, every part of a working platform, gangway or stairway of a scaffold from which a person is liable to fall a distance of 2 m, should be provided with guard rails and toe boards.

-Platforms on scaffolds should be of adequate dimension, especially in width, for the tasks performed from the scaffold.

-Utmost care is to be taken against fall while erecting a scaffold. Use of full body safety harness with double lanyards is highly recommended to ensure that at least one is always anchored at all times even when moving up or down.

-Only physically sound and medically fit trained persons shall be allowed to erect scaffolds under strict supervision.

Inspection and maintenance

-Scaffolds should be inspected and the results recorded by authorized persons: Before being taken into use; At periodic intervals thereafter as prescribed for different types of scaffolds; After any alteration, interruption in use, exposure to weather or any other occurrence likely to have affected their strength or stability.

-Inspection by an authorized person should more particularly ascertain that: The scaffold is of suitable type and adequate for the job; Materials used in its construction are sound and of sufficient strength: It is of sound construction and stable; That the required safeguards are in position.

-A scaffold should not be erected substantially altered or dismantled except by or under the supervision of an authorized person.

-Every scaffold should be maintained in good and proper condition

-And every part should be kept fixed or secured so that no part can be displaced in consequence of normal use.

-No scaffold should be partly dismantled and left so that it is capable of being used

-Unless it continues to be safe for use.

Lifting appliances on scaffolds

-When a lifting appliance is to be used on a scaffold: The parts of the scaffold should be carefully inspected by an authorized person to determine the additional strengthening required; Any movement of the putlogs should be prevented; If practicable, the uprights should be rigidly connected to a solid part of structure or building at the place where the lifting appliance is erected.

Prefabricated scaffolds

-In the case of prefabricated scaffold systems, the instructions provided by the manufacturers or suppliers should be strictly adhered to.

-Prefabricated scaffolds should have adequate arrangements for fixing bracings.

-Frames of different types should not be implemented in a single scaffold.

Use of scaffolds

-Provide competent supervision to ensure that scaffolds are used appropriately and only for the purpose for which they are designed or erected. In transferring heavy loads on or to a scaffold a sudden shock should not be transmitted to the scaffold.

-When necessary to prevent danger, loads being hoisted on or to scaffolds should be controlled e.g. by a hand rope (tag line), so that they cannot strike against the scaffold.

-The load on the scaffold should be evenly distributed, as far as practicable, and in any case should be so distributed as to avoid disturbance of the stability of the scaffold.

-During the use of a scaffold care should constantly be taken that it is not overloaded or otherwise misused.

-Scaffold should not be used for the storage of material except that required for immediate use.

-Workers should not be employed on external scaffolds in weather conditions that threaten their safety.

Suspended scaffolds

-In addition to the requirements for scaffold in general as regards soundness, stability and protection against the risk of falls, suspended scaffolds should meet the following specific requirements: Platforms should be designed and built with dimensions that are compatible with the stability of the structure as a whole, especially the length; The number of anchorage should be compatible with the dimensions of the platforms; The safety of workers should be safeguarded by an extra rope having a point up attachment independent of the anchorage arrangements of the scaffold; The anchorage and other elements of support of the scaffold should be designed and built in such a way as to ensure sufficient strength; The ropes, winches, pulleys and Pulley blocks should be designed, assembled, used and maintained in good working conditions; Before use, an authorized person should check the whole structure.

CHECKLIST FOR SAFE WORKING AT HEIGHTS

1. Check that there is safe method of getting to and from the work area.
2. Make sure that work platforms and any edges from which people are likely to fall have guard rails and toe boards or other barriers.
3. Check that the equipment (used for approach and work) is in good condition and make sure that whoever puts the equipment together is trained and knows what they are doing.
4. Make sure that those who use the equipment are supervised so that they use it properly- the more specialized the equipment, the greater the degree of training and supervision required to ensure safety.
5. Find out to tell if any defects need to be remedied or modifications need to be made and keep them informed.
6. Ways of arresting falls- for example, harnesses and lines or nets- should only be relied upon when no other method is practicable, or when work platforms cannot comply with all requirements for safe working (for example, when a guard rail has to be removed to land materials).
7. Harnesses or nets may also be needed to protect workers while they install guard rails or other fall protection devices.
8. Ladders should primarily be used as a means of gaining access to a work area and must only be used as workplaces for short periods- it is generally safer to use a tower scaffold or mobile elevating work platform, even for short term work.

SECTION-5

SHOTBLASTING & PAINTING (FLOATING ROOF TANK)

Carry out shot blasting, scraping and painting of tanks as per Inspection recommendations and as per instructions from Site in charge.

REFER BPCL AE-S-5430 FOR THE DETAILED TECHNICAL SPECIFICATION, PROCEDURES OF SURFACE PREPARATION, PAINT COATING, INSPECTION AND TESTING OF PAINT MATERIAL, FREQUENCY OF PAINTING AND GUARANTEE,

PAINT MONITORING SYSTEM & ALL OTHER RELEVANT CLAUSES AND FOLLOW THE SAME FOR ALL TANK PAINTING JOBS IN REFINERY.

Contractor will have to carry out tank painting under supervision from qualified painting inspectors from their side and also ensure proper documentation of painting activity & quality certificate for paint being used before start of any painting activity in tanks.

SECTION 6

LIST OF STANDARD DRAWINGS (THESE DRGS SHALL BE PROVIDED AS AND REQUIRED REQUIRED BY CONTRACTOR)

SL.NO.	DESCRIPTION	DRAWING NO.
1.	Drain sump D type	15818
2.	Shell nozzles	15816
3.	Shell manhole	15815
4.	Flush type clean out door	18745 sht. 1 of 2 & 2 of 2
5.	Provision of auto level gauge	2742/sht. 1 of 3
6.	General arrangement of manhole and supports for auto level gauge	22843 sht. 2 of 2
7.	Details of roof supports	14312
8.	Emergency drain/rain vent	19499
9.	Details of earthing boss	16499
10.	Pontoon manholes	19500
11.	Deck manhole	19501
12.	Welding sequences	17479

SECTION 7

BPCL JOB EXECUTION PLANS

The contractor is required to adhere to BPCL safety, housekeeping and dust control requirement.

a. SAFETY ACTION PLAN

The supervisors shall attend safety course and obtain certification. Only safety trained supervisor shall be deployed

All contractor employees shall attend safety training course and obtain relevant ID numbers, safety talk as per directives of BPCL safety Department.

All Personal Protective Equipment shall be provided by Contractor.

Contractor shall strictly adhere to BPCL safety rules and regulations.

Contractor shall follow work permit system issued by BPCL Officer.

Any incident/accident shall be reported to BPCL officer/ BPCL safety and documented properly.

In case of injury to any of my employees Contractor shall report to medical center immediately.

Fire extinguisher shall be provided as specified in permit. Fire order shall be followed in case of fire

Communication system like pager/VHF system shall be provided.

While handling with chemicals proper precaution shall be taken to avoid spillage or splash on body.

Daily safety briefing shall be given by Contractor to their employees by his supervisors.

Safety Supervisor shall be designated by Contractor who will monitor safe working.

Contractor shall be committed to above safety action plan and reassure the jobs undertaken shall be carried out safely without any injury to property or personnel.

b. HOUSEKEEPING PLAN

All equipment shall be properly arranged and placed before start of work.

A separate bin shall be provided for collecting waste generated by Contractor's employees ie canteen waste/gloves/cotton waste.

All debris ie Al sheet shall be deposited in warehouse and lagging material shall be taken out of refinery as soon as there is full lorry load.

If there is a spillage of oil it shall be cleaned immediately.

Work area shall be kept clean at all times.

Contractor yard shall be kept clean and no debris shall be deposited on road 16 near contractor yard, approach road to sulphur yard and back of contractor yard.

No material shall be unloaded on Road 20 unless approved by BPCL.

Proper approach way shall be made for movement of cranes, hydra etc.

Contractor shall be to above housekeeping plan and assure to abide by BPCL requirement.

c. ENVIORNMENT CONTROL PLAN

At shutdown site proper care shall be taken so as to avoid any oil leakage./seepage into the ground.

In case of leakage while opening flange the matter to be reported to BPCL officer immediately.

Debris generated like insulation, refractory concrete etc., shall be collected and stored in designated place in gunny bags and ensured it is carted out of refinery.

Welding machines used shall not emit smoke beyond the permissible level.

Cleaning of work site should be carried out on continuous basis.

Proper breathing apparatus to be used where ever required.

d. DUST CONTROL PLAN

Work should be carried in a manner where generation of dust is minimum

Loose dust/dirt debris should be collected in bags and dumped in designated areas

Water sprinkler to be deployed for controlling dust in work area.

Work area to be barricaded to prevent dust inhalation.

Dust mask shall be used in dust prone areas.

Contractor shall be to above environment plan , dust control plan and assure to abide by BPCL requirement.

SECTION 8

GENERAL CONDITIONS

1. Contractor shall have to co-ordinate your activities with other contractors, if any working on the same tank.
2. Relevant drawings / layouts of roof / bottom plate etc. as per availability of Plate in the Refinery warehouse / within the refinery premises shall be prepared by the contractor and to be submitted for approval for inspection/ engineer in charge prior to executing the replacement jobs and also to submit as built drawing after completion of the job.
3. Complete the entire work within the stipulated time. Keeping up the time schedule is vital factor on all tank repair jobs. Resources shall be mobilized accordingly in order to complete the job as per schedule. If required by Engineer- in-charge, Contractor shall have to work on extended hours / round the clock basis on normal days and on Sundays/Holidays also to complete the job as per schedule given by and at the discretion of the Engineer-in-Charge. No additional payment would be made for working beyond normal working hours. Also contractor has to forward their bar charts covering all the activities and get it approved by the Engineer-in-Charge.
4. During the progress of each job, the site should be kept clean and all equipment/material/debris etc. shall be properly kept only at locations shown by BPCL. Metal scrap to be sent / deposited to scrap yard (Warehouse). Debris / scrap to be removed from tank farm on daily basis.
5. Tank plates are to be shot-blasted as per instruction of the Engineer in charge / BPCL Insp. Dept.
6. Bills will be paid on the basis of actual work done on due certification by BPCL Engineer.

7. Any defect arising out of poor workmanship shall be made good by you free of cost.

8. Contractor shall provide necessary assistance to our Inspection Dept./outside agency deputed for carrying out inspection at different stages of work. All welding jobs will be subjected to D.P. test / radiography / hydrotest etc. as decided by our Inspection personnel.

9. Submit challans duly stamped by CISF to our Maintenance Dept. for any material brought inside the Refinery by you.

10. The rates will remain firm during entire period of contract and no escalation on any account will be payable.

11. Contractor shall abide by the conditions given in General Terms & conditions attached.

12. The estimated quantities given in the attached schedule of rates are approximate and the rates shall remain firm for any variation on overall financial limit.

13. Steel Scaffolding / descaffolding wherever required for all jobs shall be done by the contractor as per instructions from site in charge. Use only metal planks for all the scaffolding work.

14. Contractor to mobilize resources to suit the requirement of taking up jobs in various tanks simultaneously as and when made available.

15. Even after completion of the stipulated period of contract, the contractor shall complete the job in totality as per the scope of work for the jobs which may remain incomplete at the time of the completion of contract period. However all the rates of contract shall remain same till six months after the expiry of contract duration or till the completion of all such jobs, whichever is later.

16. No extra claim shall be made by the contractor on account of unforeseen, unavoidable time lapse due to process, safety and administrative reasons.

17. Contractor shall supply all labour, supervision, equipment, transport, and material including bitumen / bitumen premix.

18. Any damage done to the BPCL property shall be made good by You shall at contractor's cost.

19. The rates applicable shall be as per the line item rates.

20. Contractor shall procure all the material required for the job only on the basis of actual site conditions or physical measurements. BPCL will not entertain any claims regarding surplus or shortfall of material.

21. Welding electrodes shall be purchased from BPCL approved parties and relevant certificates to be submitted.

22. Transportation of materials to be shot blasted to and from the site will be arranged by contractor.

23. Paints shall be procured from BPCL approved parties Paints shall be approved by third party/BPCL Inspection. Required certificates to be provided as per engineer in charge.

24. Necessary steel scaffolding / de-scaffolding shall be done by contractor wherever required, as per the instruction of the Site-in-Charge.

25. Contractor is advised to visit the site & ascertain the existing conditions with respect to material handling and transport of material. Contractor is also advised to get acquainted with actual working and safety conditions prevalent, position of material, labour, drawing, specifications and other document which form the part of contract to be entered into. No claim shall be entertained later on the ground of lack of knowledge.

26. All contractor employees including supervisors undergo safety training in BPCL failing which they will not be accepted as supervisors irrespective of their academic qualifications and work experience. All safety precautions as per permit conditions and as per instructions from site in charge shall be abided by the contractor.

27. Maintain registers showing workforce employed category wise on daily basis at each work place, material receipt, quantity used, and also for material used and brought inside the refinery for use.

28. Any other fabrication required by the contractor for any job as per scope of work and not included in schedule of rates shall be in contractors scope with no extra cost.

29. All cranes, lifting tools and tackles should have Factory Inspectorate approved certificate & copy of all such certificates to be submitted to BPCL.

30. Necessary arrangement of exhaust fans for ventilation suitable to the need shall be arranged by contractor at his cost. The arrangement shall be approved by BPCL.

31. Contractor shall deploy atleast one qualified safety supervisor who will be taking frequent rounds at all the work locations to ensure safety. Safety supervisor shall interact regularly with Safety Department and related Execution officer and give regular safety talks to all the contractor employees for enhancing safety. If it is observed that stated condition is not followed, penalty as per FINANCIAL DETERRENT FOR VIOLATION OF SAFETY NORMS BY CONTRACTORS shall be deducted

32. GATE PASS PROCEDURES

All employees to be covered under ESIC/PF. Proof to be submitted to IR department.

Labour license form V to be submitted to IR department.

Assistance for procuring labour license shall be given by BPCL IR department.

Police verification of all employees needs to be carried out. Proof to be given to CISF that police verification has been submitted to police department.

All employees should undergo safety training.

With all documents such as ESIC/PF, police verification, safety training, CISF photo passes can be obtained.

After obtaining photo passes every employee should obtain computer passes.

The cultivation employee is eligible to enter the refinery.

33. PLANNING AND MONITORING JOBS

Contractor in co-ordination with tankages group should prepare a schedule for each tank.

Necessary resources required for completion as per schedule shall be committed before the start of job. Progress to be reviewed once in 7 days / 15 days with BPCL Maintenance and Inspection if necessary.

Any concerns should be highlighted. It shall be ensured that there shall be no slippage on the schedules. Contractor has to maintain daily log book and hindrance register for each tank separately.

Penalty may be levied if inadequate resources are found at any point of time by site supervisor.

Quality output shall be ensured by the contractor without bypassing the engineering standards.

SECTION 9

SCOPE OF SUPPLY

A. BPCL SCOPE OF SUPPLY

- a) M.S. Plates of various sizes / thickness (trimmed or untrimmed as per the availability at warehouse)
- b) Pipes, pipe fitting, structural steel, nuts and bolts, gaskets, chequered plates, gland packing and wire rope for float. However, contractor shall arrange for all transportation from warehouse to worksite and from worksite to any other place in the refinery as per instructions of Engg. In-charge.
- c) Salt water for testing of tanks and raw water for testing of pipelines will be provided at the nearest available point. Further piping to be done by the contractor.
- d) Neoprene sheets, nuts, bolts, pins, 16G M.S. sheets etc. as per requirement of the job.
- e) BPCL will not provide power supply except for illumination purpose from the nearest point. However required cabling/light fitting etc. shall be arranged by the contractor.

f) 24 volts flame proof hand lamps and flame proof transformer for lighting purposes will be provided however required transportation from the issue point to work site is in contractor's scope.

Material reconciliation required to be done on completion of each job(Tank) along with bill for free issue material.

B. CONTRACTOR SCOPE OF SUPPLY

1. No separate fabrication site will be provided. All the required fabrication etc., to be carried out within the respective Tank farms, when handed over to contractor for maintenance work.

2. Tanks will be handed over to in Gas / Hydro carbon free condition. All the required further cleaning, taking away the cleaned rubbish/material as advised will have to be done by Contractor.

3. All the Required transportation of all material to be arranged by contractor.

4. All kinds of skilled and unskilled manpower including site supervisors, dedicated safety & Quality supervisor exclusively for each tank site.

5. Supply of all types of paints as per SOR and BPCL AES-5430.

6. Supply of bitumen for civil jobs.

7. All material including steel scaffolding material & planks etc., tools and tackles, all paints, equipment, rolling of plates, pipes & structures as required, galvanizing of plates, pipes, structures, transport with fuel & lubricants, labour, supervision including diesel welding machines, DG sets, grinders, compressors, cranes, escort, trailer, power pack for supplying 230/440V to carry out welding/grinding SR & all other rigging equipment, testing equipment, shot blasting equipment, shots, safety compressor, tarpaulin for covering shot blasting area, hoses, paints, welding electrodes, Oxygen / acetylene cylinders, cutting set, bitumen for civil job, Vacuum pump, Dewatering pump if required for cleaning of tank internal, all personal protective equipment & safety gadgets & all other material & equipment, including required consumables viz. electrodes etc. and any other material not specifically

mentioned but nevertheless required to complete the work other than the material included in BPCL Scope of supply.

Kindly note that supply of radiography films as mentioned in certain line items should not be considered in contractor's scope of supply.

The relevant drawings/layout of roof/bottom shall be prepared by the contractors as per availability of plates in the refinery warehouse and it shall be submitted for approval to inspection/engineer in charge prior to executing the replacement job. The as built drawing to be submitted after completion of the jobs.

Note:- Contractor shall bring his own container shed that can be used for material storage or site office. These containers shall be in good condition & vendors name & code shall be painted properly on it. Kindly note that building of temporary sheds at site is strictly prohibited. However in case if needs to be built in certain site conditions then GM ops approval is mandatory by contractor.

Scope of Work for item no 930

Provision of Dehumidification services (Desiccant Type dehumidification technology) during Tank Internal Shotblasting/Grit Blasting & Painting for tank of Dia 45-55 m including mobilization/Demobilisation

Contractor to maintain controlled environmental conditions inside the Tank during internal painting. Contractor to control the environmental conditions as detailed below

1. Contractor has to strictly follow all the conditions as per AES 5430 Rev 1.

2. For all internal painting work, the dehumidification of the surrounding air dew point shall be maintained 5 degree Celsius below the prevailing surface temperature. The relative humidity shall be maintained not more than 45% from preparation to curing of coatings

3. The measurement of the following shall be ensured prior to start of work and shall be done every three hours for the entire duration of the painting work and shall extend till the paint is dried and cured.

Relative Humidity (RH).
Ambient air temperature.
Surface temperature of the object being painted.
Air temperature at surrounding of the painting.
Air flow

4. Humidity and dew point readings shall be taken with a sling Psychrometric meter and calculated using psychrometric tables.

Contractor to mobilise the following:

- a. Dehumidifier unit of capacity 4500 cfm x 1 nos or more as required
- b. Blower of capacity 10000 CFM x 2 nos or more as required
- c: Temperature control unit as required for people to work inside comfortably.

Scope of Supply for item no 930 Dehumidification services:

BPCL scope of supply

Entire power required for the job free of charge. Power shall be supplied with a cable termination only near to contractor panel. Required electrical panels are to be arranged by the Contractor.

Contractor scope of supply

1. All equipment required for the Job with all accessories like ducts, clamps, stands etc.

2. All material like condensing unit, dehumidifications unit, blowers, temperature control unit, ducts etc. manpower, equipment, tools, tackles, transportation, supervision, expertise etc required to complete the job. Also scaffolding and tarpaulin required for making partition for carrying out work in certain portions shall be in Contractor scope.

3. Electrical Panels.

4. Crane, traylor, lifting tools and tackles etc. required for loading/ unloading inside refinery premises and to place the equipment in the desired place

5. Contractor shall bring his own container shed that can be used for material storage or site office. These containers shall be in good condition & vendors name & code shall be painted

properly on it. Kindly note that building of temporary sheds at site is strictly prohibited. However in case if needs to be built in certain site conditions then GM ops approval is mandatory by contractor.

General Conditions for line item no 930 Dehumidification Services:

1. Contractor to do installation & de-Installation at site. Contractor to arrange for necessary skilled workmen to operate the equipment on continuous basis.

2. In case of internal coating of storage tanks, dehumidifier shall be used, to control humidity level below 45%. Dehumidifier should depress the dew point of air in the enclosed space, sufficient enough so as to maintain it 30e below the metal substrate temperature during centre period of blasting and coating application.

3. Dehumidifier should be able to maintain adequate grain drop (moisture removal). Dehumidifier should have sufficient air changes per hour of the enclosed space. All necessary psychometric data should be collected by contractor for the given site conditions before starting operation of dehumidifier to ensure that desired values of dew point, moisture content in enclosed scope is achieved.

4. Dehumidifier shall not be stopped under any condition till the entire blasted surface is primed to the satisfaction of the technical representative of the paint manufacturer interested with quality assurance for the work. In case the dehumidifier breaks down in middle of the job, the same shall be replaced at the risk and the cost of the contractor and the entire unfinished work shall be repeated.

Annexure: AES 5430 Rev 1
Safety Manual BPCL .MR / Chapter 14.01

PAYMENT TERMS:

Payment shall be paid on the basis of actual work done on due certification by BPCL Engineers on monthly basis.

Security deposit towards Performance shall be applicable as per clause 18 of General Conditions of Contract.

Further apart from Security deposit clause for Performance, Bank Guarantee and Corporate Guarantee clauses as mentioned in AES 5430Rev 1 Sr no 5,15,16,17& 18 shall also be applicable.

CONTRACT DURATION :

The duration of the contract will be TWO Years.

LD clause

After handing over of tank from Operations, Contractor shall offer it to inspection within reasonable time. After getting detailed notification from inspection, Contractor will make a detailed schedule which will be discussed, agreed and finalized between Contractor and BPCL Engineer-In-charge. Any delay with respect to finalized schedule, LD will be applicable as below;

In case of delay, 0.5% / week of delay on part thereof upto 5% of the Specific Tank PO value shall be recovered.

ARC for Tankage Maintenance (Civil jobs)

1.01 Introduction:

We are required to repair & maintain the tanks & existing tank farms area so as to improve the existing facilities and if required development of new facilities.

1.02 Scope of work

1.02.1 The scope of work includes carrying out all types of misc. civil works listed in "schedule of rates". This unit rate contract will be for TWO YEARS duration from the date of award of contract & each job is to be completed within mutually agreed time schedule.

1.02.2 Jobs will be of repair, modification, new etc. in any tankfarms within the Refinery.

1.02.3 Supply all materials such as cement, reinforcement steel, bricks, HDPE pipes, sand, stone dust, aggregates, Bitumen seal coat, Bitumen Premix carpet, Cold bitumen products etc. required for execution of SOR items including transport, labour, supervisor, tools & tackles etc. will be in contractors scope & shall follow trailing contract specifications 1.03.7

1.03 Special conditions of contract

1.03.1 General terms & Conditions of contract:

Special conditions of contract shall be read in conjunction with general terms & conditions, schedule of rates, drawing & any other document forming part of this contract wherever the context so requires. Contractor shall be required to abide by the conditions stated in general terms & conditions attached.

1.03.1.1 Jobs required to be carried out in each tank farm area will be informed by Chief Maintenance Manager (M&C) or his authorized representative to contractor. Quantities mentioned in this tender enquiry are only indicative. Individual PO's will be placed from this main annual rate contract, based on actual job requirements of each tank farm.

1.03.1.2 Contractor should mobilize enough manpower to complete the identified jobs within time indicated by BPCL engineer-in-charge.

1.03.1.3 Your rates shall remain firm during the entire period of contract & no escalation on any account will be payable.

1.03.1.4 Contractor should adhere to all safety norms & requirements for this job, & cannot claim any kind of compensation due loss of time on account of safety reasons.

1.03.1.5 The contractor will be required to submit challans duly stamped by our security to our maintenance department for the material brought inside the refinery by you.

1.03.1.6 Depending on the urgency of the job, contractor will be required to carry out the job in extended hrs as per the instruction of BPCL engineer-in-charge & there will be no additional payment admissible on account of this.

1.03.1.7 Contractor supervisor should be provided with a communication facility (such as pagers etc.) So that he can be contacted at any time.

1.03.1.8 In case of normal jobs, adequate notice will be given to contractor, but in case of emergency jobs contractor should be in a position to mobilize manpower as early as possible irrespective of holidays and night hours. As soon as the job is completed the contractor should demobilize his manpower immediately.

1.03.1.9 Contractor is required to employ only his own permanent employees. Contractor shall provide necessary proof to BPCL engineer-in-charge or IR department whenever asked for.

1.03.1.10 Details of contractor employees together with skill should be given to CPC, who will maintain database of employees working in the refinery together with their safety performance.

1.03.1.11 BPCL reserves the right to offload part or full job to any other party on lump sum or unit rate basis, & recover from contractors running bills, in case any particular job gets delayed beyond mutually agreed time schedule.

1.03.1.12 Steel scaffolding wherever required for executing any job covered in this contract shall be done by contractor with his own material without any extra cost to BPCL.

1.03.1.13 All consumables required for the job shall be procured from BPCL approved parties only. You shall submit all the

material test certificates to BPCL for verification before commencing the job.

1.03.1.14 Contractor shall prepare following documents/register & obtain approval from BPCL engineer in-charge before starting the job & shall maintain & take the signature from BPCL site in-charge on daily basis.

- a- Daily progress/Hindrance report
- b- Material entry challans

1.03.1.15 QUALITY ASSURANCE PLAN

1.03.1.15.1 On award of contract the contractor shall be required to submit Quality Assurance Plan (QAP) and get approval from BPCL.

1.03.1.15.2 Contractor shall be required to submit photocopy of all the documents as per QAP.

1.03.1.15.3 Contractor shall be required to submit original copy of the QAP in bounded form along with final bill.

1.03.1.16 contractor shall be required to work at 4 to 5 locations simultaneously & shall organize manpower, materials, and supervisors immediately after issue of PO for respective jobs.

1.03.1.17 BPCL reserves the right to award the similar contract to any other party on lump sum or unit rate basis.

1.03.2 PAYMENT TERMS

Payment shall be paid on the basis of actual work done on due certification by BPCL Engineers on monthly basis.

Security deposit towards Performance shall be applicable as per clause 18 of General Conditions of Contract.

1.03.3 CONTRACT DURATION :

The duration of the contract will be TWO Years.

LD clause;

After handing over of tank from Operations, Contractor shall offer it to inspection within reasonable time. After getting detailed notification from inspection, Contractor will make a detailed schedule which will be discussed, agreed and finalized between Contractor and BPCL Engineer-In-charge. Any delay with respect to finalized schedule, LD will be applicable as below;

In case of delay, 0.5% / week of delay on part thereof upto 5% of the Specific Tank PO value shall be recovered.

1.03.4 Scope of supply

1.03.4.1 By BPCL:

Free issue: construction water

Chargeable basis: Nil

On returnable basis: Nil

1.03.4.2 By contractor:

All the materials, consumables, equipments, tools & tackles, manpower, supervision, Personal Protective Equipment's, scaffolding if required & water arrangements, transportation etc. required for the completion of jobs.

1.03.5 Work timings

The work timings for contractor shall be 8 hrs (between 9.00 am to 5.00 pm), however if required BPCL will arrange extra work timings [between 8.00 am to 8.00 pm or up to day light whichever is earlier] as per instructions of Engg. in charge. If required you will have to work on extended hours basis on normal days and on Sundays/holidays also to complete the job as per schedule given by you and at the discretion of the engineer-in-charge. No additional payment would be made for working beyond normal working hours.

1.03.6 Organization required

A] All supervisors required for the above job shall have minimum 5-6 years of experience in the same field.

B] Contractor is required to employ only his own permanent employees. Contractor shall provide necessary proof to engineer-in-charge or IR department whenever asked for.

C] Following organization needs to be put in place exclusively for the said job.

1) 01 SITE INCHARE (BE/Diploma with 6 year experice) 01 safety supervisors(Diploma with 5 years) , 02 site supervisor (Diploma with 5 years) and 01 engineer (BE/Diploma with 6 years)

2) Required skilled & unskilled manpower for completion of job within specified delivery date.

3) All supervisors must have valid safety training certificate.

4) No supervision is permitted with expired safety training certificate.

D] Necessary biodata of people shall be submitted to BPCL engineer-in-charge & persons will be approved based on interviews before commencement of the job.

E] Contractor shall maintain appropriate records of deployment of organization during the job & same shall be made available to BPCL engg. In-charge on demand.

1.03.7 Specifications:

1.03.7.1 Fine & coarse aggregated to be used shall confirm to IS 383:1970 or latest amendment if any.

1.03.7.2 Masonry bricks required for carrying out masonry work shall follow IS: 1077-1992 with latest amendment if any

1.03.7.3 CEMENT:

Cement required for all construction shall be provided by contractor only. Cement used for construction is as per IS 455 or Portland Pozzolana Cement (PPC) Fly Ash based conforming to IS 1489 Part-I as indicated in IS 456:2000 or Ordinary Portland Cement grade 53 (conforming to IS:12269). This shall be of approved make viz ACC, L&T, Gujarat Ambuja or equivalent.

1.03.7.4 HSD reinforcement bars shall be confirming to IS:1786 Fe415 (latest edition)

1.03.7.5 SAND & AGGREGATES:

An aggregate required to carryout concrete work/masonry work shall follow IS: 383 (specification for coarse & fine aggregates from natural sources for concrete) with latest amendment if any.

Contractor should use the river sand for all the works. However, contractor may use the crushed stone aggregate in place of sand by taking necessary approval from Engineer in charge after conducting prerequisite tests, without any extra cost.

1.03.7.6 Bricks should follow the specifications as per IS 1077:1992.

1.04 Safety

The job involves carrying out work inside tanks. Special safety measures shall be taken for work inside the confined spaces as per the permit conditions. The labours shall have to wear all PPE's including leather handgloves while handling hot bitumen during repair of bitumen pad.

1.05 Quality

Quality is of utmost importance while carrying out the jobs. The bitumen pad repairs & replacement shall be done in perfect level and slope to enable perfect fitment of metal plates above it. All the plaster & concrete repairs shall be in perfect line & level so as to match the existing surface. The housekeeping of the tankfarm area shall be done on daily basis and the unserviceable debris/scrap should be sent outside the Refinery immediately after one truckload of scrap/debris is generated.

SPECIAL CONDITIONS OF CONTRACT

This Special Conditions of Contract (SCC) shall be read in conjunction with the General Conditions of Contract (GCC), including its amendments, specifications of work, drawings and any other document forming part of this contract wherever the context so requires.

BIDDER / CONTRACTOR shall adhere to all the instructions covered under GCC & SCC including all design standards, as stipulated in the respective sections and should be in a position to submit the required records as evidence for review of OWNER as and when required and shall carry out changes based on PMC / OWNER review.

Notwithstanding the sub-division of the document into separate sections and volumes wherever done, every part of each shall be deemed to be supplementary of every other part and shall be read with and as part of the contract so far as it may be practicable to do so.

Where any portions of the GCC are repugnant to or at variance with any provisions of the special conditions of contract, then, unless different intentions appear, the provisions of the special conditions of contract shall be deemed to override the provisions of the GCC shall to the extent of such repugnancy, or variations prevail.

The materials, design and workmanship shall satisfy the applicable relevant Indian Standards, the job specifications contained herein and codes referred. Where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied. In the absence of any Standard / Specifications / Codes of practice for detailed specifications covering any part of the work covered in this bidding document, the instructions / directions of BPCL will be binding upon the Contractor.

A) Contract validity :

Contract shall remain valid up to two years from the date of LOA.

B) Bid Currency

The BIDDER shall submit prices and/or rates for all items in E tendering portal. All amounts are to be quoted in INR.

C) Taxes and Duties

Your quoted rates shall be inclusive of all applicable taxes and duties except Goods and Services Tax (GST) which shall be quoted separately in the enclosed form (Form-A). Please note that submission of this form along with Technical / Un-priced Bid is mandatory.

Your rates shall remain firm till completion of work. The applicability of GST as a percentage rate of total quoted price shall be clearly mentioned in this form. If the information is not provided, it will be assumed that GST is included in your quoted price. No claim for GST will be entertained subsequently. Please note that registration for GST is mandatory for receipt of GST payments from BPCL. In absence of valid

registration, your offer will remain invalid and will not be considered for evaluation. In case GST is not applicable, please indicate the same as "Nil" while submitting this form.

GST, if applicable, shall be paid after verifying GST Registration no. Break up of Basic cost, GST as applicable shall be provided in all your invoices along with GST registration no. & SAC code for the services provided.

Any statutory variation in GST or introduction of any new taxes and duties within the contractual completion period shall be to BPCL account, against submission of documentary evidence for substantiating the variation by way of relevant notification. However in case of delay in completion period beyond the contractual date, for reasons attributable to contractor, any increase in these rates or any new taxes and duties introduced during the period beyond the contractual completion date shall be borne by the contractor, whereas any decrease shall be passed on to BPCL.

Input tax credit towards GST, if available to BPCL-KR, shall be considered for evaluation.

C) Income Tax & Corporate Tax

Income Tax deduction at source (TDS) at the applicable rates will be deducted from the running bills. Necessary certificates in this regard will be issued from BPCL.

Corporate Tax Liability if any shall be to Contractor's account.

D) Basis of evaluation :

Evaluation shall be on the basis of landed cost along with applicable taxes and duties, less Input tax credit. Job will be awarded based on the overall lowest evaluated cost (of both Part 1 - Mechanical Jobs and Part 2 - Civil Jobs).

E) Single Point Responsibility

The entire work as per Scope of Work covered under this contract shall be awarded on single point responsibility basis.

F) Site visit & Pre-bid Meeting:

All Bidders are advised to visit the WORKSITE and attend the pre-bid meeting to become familiar with the physical and other conditions pertaining to the work or services to be performed. Bidders are to bring their own safety kits for the site visit including hard hats and safety shoes.

G) Post Order Execution & Correspondence:

Correspondence regarding execution, payments and subsequent correspondence etc. shall be with BPCL Mumbai Refinery after issue of purchase order.

SECTION-5

**IMPORTANT SAFETY REQUIREMENTS FOR WORKING IN REFINERY
PLANT AREAS - H₂S GAS DETECTORS**

Important Safety Requirements for working in Refinery Plant Areas – H2S Gas Detectors

- (1) Minimum two numbers of portable H2S gas detectors per work location shall be ensured by contractors while working in refinery plant areas.
- (2) It shall be contractor's responsibility to evacuate the area if the detector alarm is sounded and inform local operation department.
- (3) Existing penalty for "Violation of permit conditions" as per Sr No 3 of existing "financial deterrents" shall be applicable for the non-compliance of above.
- (4) BPCL reserve the right to check calibration of any meter at site and reject the detector if it's response is not satisfactory.
- (5) The portable H2S gas detectors brought / used by contractors shall meet the following requirements :
 - i) Display: continuous display of real time gas concentration with manual backlight lit option.
 - ii) On start up: display the full function self test of the sensor, battery, circuit integrity, current alarm set points & days until calibration due.
 - iii) Switching off: to prevent accidental switching off, detector should not switch off by operation of single button, it should have a timed off function that provides audible and visual off indication.
 - iv) Area: ex-proof, class I, div.1, gas group A, B, C, D & T4 as per NEC 500
 - v) Audible alarm: buzzer output of 95 db.
 - vi) Visual alarm: flashing alarm shall be visible from multiple angles.
 - vii) Shall show and warn in the event of a gas alarm condition (low, high, STEL & TWA), low battery, sensor fault.
 - viii) Calibration: vendor to calibrate detectors quarterly with certified calibration gas from reputed agency. Vendor to keep record of calibration certificate at site. Certificate must clearly indicate the drift observed during calibration and calibration gas concentration & validity.
 - ix) History: should record all events and data must be stored in detector memory.
 - x) History storage period: minimum up to 250 events. when full, wraparound memory feature should replace oldest data with most recent data.
 - xi) Alarms: HI =10 ppm (non latching), HI HI =15 ppm (latching).
 - xii) The portable H2S gas detectors should be from reputed make such as Honeywell, Drager, MSA.

SECTION-6

E-BIDDING INSTRUCTIONS

INSTRUCTIONS TO BIDDERS ON E-TENDERING

1.0 GUIDELINE FOR E-PROCUREMENT SYSTEM:

Bharat Petroleum Corporation Ltd. has gone for online submission of bid through e-procurement system on <https://bpcleproc.in>. Bidders are advised to read the Instructions for participating in the electronic tenders directly through internet (Bid Submission Manuals are available on the above mentioned e-procurement site).

As a pre-requisite for participation in the tender, vendors are required to obtain a valid Digital Signature Certificate of Class 3 (Signing and Encryption) and above as per Indian IT Act from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCIA), Controller of Certifying Authorities (CCA). The cost of obtaining the digital certificate shall be borne by the tenderer. In case any tenderer so desires, he may contact our e-procurement service provider M/s. E-procurement Technologies Ltd, Ahmedabad (Contact no. 079-40016868) for obtaining the digital signature certificate. Please note that generally, it takes 5 working days for obtaining a digital certificate after the submission of all required documents / fees. Non availability of Digital Certificate shall be considered as the vendor's regret.

To participate on tenders hosted by BPCL on e-procurement site, bidders are required to have a digital certificate and do "Enrollment" (Register on site) by creating one User Id on the above site.

Bidders shall make their own arrangement for e-bidding. The Un-priced Technical Bids along with all the copies of documents should be submitted in e-form only through BPCL e-Procurement system. Before the bid is uploaded, the bid comprising of all attached documents should be digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) in accordance with the Indian IT Act 2000. If any modifications are required to be made to a document after attaching digital signatures, the digital signature shall again be attached to the modified documents before uploading the same.

Late and delayed Bids / Offers after due date / time shall not be permitted in E-procurement system. However if bidder intends to change the bid already entered may change / revise the same on or before the last date and time of submission deadline. No bid can be submitted after the last date and time of submission has reached. The system time (IST) that will be displayed on e-Procurement web page shall be the time and no other time shall be taken into cognizance. Bidders are advised in their own interest to ensure that bids are uploaded in e-Procurement system well before the closing date and time of bid. No bid can be modified after the dead line for submission of bids.

BPCL shall not be responsible in any way for failure on the part of the bidder to follow the instructions. Further BPCL in any case will not be responsible for inability of the bidder in participating in the event due to ignorance, failure in Internet connectivity or any other reason. It is advised that the bidder uploads small sized documents preferably (up to 5 MB)

at a time to facilitate in easy uploading into e-Procurement site. BPCL does not take any responsibility in case of failure of the bidder to upload the documents within specified time of tender submission.

Bidders are required to Login with their User ID & Password (along with Digital Certificate) on e-tendering site (<https://bpacleproc.in>), then click on “Dashboard”, click on “Action” button against required Tender, If the required tender number/ details are not available in the first displayed page, then they can click on “more” button, for proceeding to next page(s). They will get “Download files” as well as “Tender Common Forms” on the same page. For participating in tender and for download Tender Documents, click on “Participate”. In the same menu, one can upload the scanned, signed stamped documents in “Edit Bid Common Forms”.

For downloading Java, please click on “Download JRE 6” on login page or more details about Bidding steps. Also, “New User Instruction Manual” from log in page can be referred.

Bidders are required to save / store their bid documents for each item into their computers before submitting their bid into e-tender.

2.0 CONTACT PERSONS:-

FOR E-TENDERING RELATED ISSUES:

If tenderers need some clarifications or are experiencing difficulties while enrolling or while participating in this e-Tender, please E-Mail to the following E-Mail ID along with the snapshots of the errors being faced to:

Email - support@bpacleproc.in

(OR) Contact the following helpdesk numbers: All India +91 79 40270573.

INSTRUCTION TO BIDDERS FOR REVERSE AUCTION

The techno-commercially acceptable bidders will be required to submit their Price, directly in an online Electronic Reverse Auction, to be conducted through online bidding portal by M/s. E-procurement Technologies Ltd, on behalf of BPCL.

M/s. E-procurement Technologies Ltd shall arrange for a live demonstration/ training of the techno-commercially nominated persons of acceptable bidders, without any cost to the bidder. They shall also explain the bidder, all the Rules related to the Electronic Reverse Auction/ Business Rules Document to be adopted along with bid manual.

It is mandatory for the bidders to submit their written compliance/ confirmation of having read and understood all the procedures of Electronic Reverse Auction, before start of the on line Reverse Auction process. The offer of bidders not agreeing for participation in the reverse auction process shall be considered as technically invalid and shall be rejected.

During the Electronic Reverse Auction, the bidders shall be quoting from their own offices/ place of their choice. Internet connectivity shall have to be ensured by each bidder at their own cost

Reverse Auction shall be visible to bidders / BPCL only with user log in and password. Identity of bidders never gets disclosed during/post reverse auction process. Bidders viewing the portal can see only their bid and the prevailing lowest bid. Bidder can reduce his bid repeatedly during the auction period.

Order shall be placed on the lowest Bidder, basis lowest delivered cost (as per evaluation criteria) emerging out of reverse auction process and BPCL's decision on award of contract shall be final and binding on all the bidders. Successful Bidder shall submit the final quoted amount during reverse auction process duly signed and stamped as a token of acceptance without imposing any new condition.

SECTION - 7

FORM-B -- COMPLIANCE-DEVIATION-EXCEPTION FORM

FORM B**FORMAT FOR ACCEPTANCE, COMPLIANCE, DEVIATIONS AND EXCEPTIONS**

A	NAME OF WORK :	RATE CONTRACT FOR CARRYING OUT MECHANICAL JOBS ON FLOATING ROOF AND INTERNAL FLOATING ROOF (IFLR) PETROLEUM STORAGE TANKS AT BPCL[MR] FOR A PERIOD OF TWO YEARS
B	COLLECTIVE RFQ No. / ITEM No.	CRFQ NO: 1000285849. E Tender System ID : 27671
C	NAME OF BIDDER :	

TABLE – 1

Sl. No.	DOCUMENT	ACCEPTED	
		WITHOUT ANY DEVIATIONS	WITH DEVIATIONS
1	GENERAL CONDITIONS OF CONTRACT		

Note:- Bidders are required to confirm acceptance of all terms and conditions mentioned in the tender document. Duly filled in, Signed, stamped and scanned copies of Tender, special Conditions of Contract (SCC)/ Special Purchase conditions, special instructions to bidders, scope of work, specification, Scalable requirements, Agreed Terms & Conditions , unpriced part of price schedule are to be uploaded in the web. The format given above in Table 1 is to be filled for all other documents. Any deviations, taken may be stipulated in the format given in Table 2 (below).

TABLE – 2

DEVIATIONS/ EXCEPTIONS				
Sl. No.	Bid Document Reference		Subject	Deviation
	Page	Clause		
1				
2				
3				

I/We confirm that I/ we have studied all the Terms and Conditions of the RFQ/ tender document, including Scope of Work, specifications, Special Conditions of Contract (SCC), Special purchase conditions, special instructions, General Conditions of Contract (GCC),

General Purchase Conditions etc., and confirm our acceptance of the same except for the clauses mentioned above in this deviation form.

We confirm that no terms and conditions / wordings / sentences have been changed or modified in the tender document.

In case our offer is successful, we will submit hard copies of all documents duly signed and stamped on all pages.

SIGNATURE OF BIDDER

SIGNATURE WITH NAME & ADDRESS, SEAL AND DATE.

Note:

1. Filling up and submission of this form is mandatory.
2. If a document is accepted without any deviation, the vendor is required to put a tick mark in the respective column against the document. If there are deviations, the vendor is required to put a tick mark in the respective column against the document and indicate the deviation(s) in the format given for indicating the same.
3. Successful bidder is required to submit hard copies of all documents duly signed and stamped on all pages.

SECTION-8
UNPRICED BID FORMAT
(TO BE FILLED ONLINE IN E-PORTAL)

SECTION 9
FORM – A

FORM-A

A	NAME OF WORK :	RATE CONTRACT FOR CARRYING OUT MECHANICAL JOBS ON FLOATING ROOF AND INTERNAL FLOATING ROOF (IFLR) PETROLEUM STORAGE TANKS AT BPCL[MR] FOR A PERIOD OF TWO YEARS
B	COLLECTIVE RFQ No. :	CRFQ NO: 1000285849. E Tender System ID : 27671
C	NAME OF BIDDER :	
D	SAC Code	
E	CGST Rate (Percentage of total quoted price)	
F	SGST Rate (Percentage of total quoted price)	
G	IGST Rate (Percentage of total quoted price)	
H	UTGST Rate (Percentage of total quoted price)	
I	INVOICING LOCATION	

SIGNATURE

NAME & ADDRESS

Note:

1. Filling up and submission of this form is mandatory.
2. A copy of GST registration certificate to be provided along with this form.

Additional Notes:

1. Indian bidders are required to indicate Goods and Service Tax (GST) (in percentage) as applicable.
2. Non-Indian bidders : GST is payable by BPCL directly to the tax authorities.
3. TDS (Tax Deducted at Source) :
 - a. Indian Bidders : TDS shall be deducted from the invoice value by BPCL and necessary certificate shall be issued by BPCL.
 - b. Non-Indian Bidders : Withholding tax shall be deducted from the invoice value by BPCL and necessary certificate shall be issued by BPCL.

SECTION 10

ANTI-PROFITEERING DECLARATION

(APPLICABLE FOR INDIAN BIDDER)

ANTI PROFITTING DECLARATION**To whomsoever it may concern**

I, Mr. _____, proprietor of M/s XYZ (*similar salutations for other authorized signatories*) hereby solemnly and sincerely declare, that I have abided with all the laws and rules, as applicable on me/my firm/my company from time to time, in my dealing with M/s Bharat Petroleum Corporation Limited ('BPCL'), including but not limited to Section 171 of the Central Goods and Services Tax Act, 2017.

In furtherance and compliance of the said section, I declare, that I have made commensurate reduction in the prices of the goods and/or services as provided by me/my firm/my company to BPCL on account of any input tax credits availed by me/my firm/my company as a registered taxable person or the reduction in the price on account of any reduction in the tax rate, as applicable, from time to time.

I declare that the foregoing is true and correct and the same is a legal obligation and failure to fulfill it could result in penalties under state law.

SECTION 11

FORMAT FOR BIDDERS INFORMATION

FORMAT FOR BIDDER'S INFORMATION

1		Name of Bidder	
2		Address for Communication	
3		General contact details viz. e mail address and telephone no.	
4		Whether bidder is a manufacturer OR dealer/trader, for items under this tender	
5		Type of Organization: Government Dept./Public Sector Undertaking/Public Limited Company/Private Limited Company / Partnership/ Proprietorship Others (Pl. specify)	
6		Location of Registered Office , in the case of Company	
7		Residential status : Indian or Non-resident;	
8		Indian Income Tax PAN Number: (Note : In case where Indian Income Tax Deduction at Source is applicable, non-availability of PAN Number will entail a higher deduction)	
9		In case non-resident, whether the bidder is having any Permanent Establishment in India, through which business transactions in India are carried out.	
10		<u>IN CASE BIDDER IS A MANUFACTURER FOR ITEMS UNDER REFERENCE:</u>	
	10.1	Address of Factory:	
	10.2	Goods and Services Tax (GST) Registration Number(For Indian bidders)	
11		<u>IN CASE BIDDER IS A DEALER/ TRADER/ SERVICE PROVIDER FOR ITEMS UNDER REFERENCE:</u>	
	11.1	Central Excise Registration Number, if any(for issuing Cenvatable invoice under Cenvat Credit Rules) (For Indian Bidders)	
	11.2	Service Tax Registration Number, if any	

		(For Indian Bidders)	
	11.3	Sales Tax / VAT / CST Registration Number (For Indian Bidders)	
12		<u>CONTACT PERSON'S DETAILS:</u>	
	12.1	Name & Designation	
	12.2	E-mail id	
	12.3	Telephone No.- Landline	
	12.4	Mobile Number.	
	12.5	Fax number	
13		Average Annual Turnover of the business	
14		Whether the bidder falls under the category of Micro & Small Enterprises(MSE) as per the MSME Policy of Govt. of India. If YES, whether proof for the same enclosed with the bid?	

SECTION 12

GENERAL CONDITIONS OF CONTRACT

(ATTACHED)

SECTION 13

REVISED FINANCIAL DETERRENDS EFFECTIVE FROM 01.04.2014

(ATTACHED)

SECTION 14

VENDOR ADVISORY – ENVIRONMENTAL

(ATTACHED)

SECTION 15
QEHS POLICY
(ATTACHED)

SECTION 16

POLICY OF HOLIDAY LISTING OF VENDORS IN BPCL

(ATTACHED)