

**NUMALIGARH  
REFINERY  
LIMITED**

**A GOVERNMENT OF INDIA UNDERTAKING**



**TENDER DOCUMENT**

**FOR**

**“Detail Engineering, Supply, Erection, Testing & Commissioning  
of Chain Conveyor System for 24 station e-carousal of LPG  
bottling plant (3661)”.**

**Tender No. OC10000187/DJD**

**PART – I: UN-PRICED BID**

**PREPARED & ISSUED BY**

**NUMALIGARH REFINERY LIMITED**

**(A Govt. of India Enterprise)**



**NUMALIGARH REFINERY LIMITED**  
**NOTICE INVITING TENDER (NIT)**

1. Numaligarh Refinery Limited (NRL) invites ONLINE bid (E-tender) from competent and experienced suppliers under two bid system (Part-I: Techno-commercial part and Part-II: Price Part) with sound technical and financial capabilities fulfilling the Pre- Qualification Criteria (PQC) of the tender document for the following item:

| <b>Detail Engineering, Supply, Erection, Testing &amp; Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)</b> |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>(Tender No : OC10000187/DJD)</b>                                                                                                                      |                             |
| Tender Publish Date                                                                                                                                      | 23-09-2016 at 17-00 Hrs.    |
| Tender document download end date & time                                                                                                                 | 19-10-2016 at 11-00 Hrs.    |
| Pre-bid Meeting at Bharat Bhavan, 31 P G Md. Shah Road, Golf Green, Kolkata 700095                                                                       | 04-10-2016 at 10-30 Hrs.    |
| Bid Submission end date & time                                                                                                                           | 19-10-2016 at 11-00 Hrs.    |
| Bid opening date & time (Technical Bid):                                                                                                                 | 20-10-2016 after 11-00 Hrs. |
| Tender Withdrawal Time End Date :                                                                                                                        | 19-10-2016; 10-00 Hrs.      |

- Maximum of two authorized representatives (along with authorization letter) from a bidder is allowed in the pre-bid meeting.
- All pre-bid queries to be mailed preferably at least two days ahead of the pre-bid meeting to [djd@nrl.co.in](mailto:djd@nrl.co.in); [pranabjyoti.sharma@nrl.co.in](mailto:pranabjyoti.sharma@nrl.co.in); [diganta.das@nrl.co.in](mailto:diganta.das@nrl.co.in); [subul.haloi@nrl.co.in](mailto:subul.haloi@nrl.co.in).
- All amendment, corrigendum, addendum, extension of due date, etc. shall be uploaded in website (<http://eprocure.gov.in/eprocure/app>) only.

2. **SUBMISSION OF E-BID:**

The E-Bid should be prepared in Two Parts as per the following details.

- PART – I : Techno-commercial / Unpriced Bid
- PART - II : Price Bid

**Note:**

- Only online offer shall be considered against the subject enquiry. For details please go to our e-tendering portal <http://eprocure.gov.in/eprocure/app>
- This Tender is being conducted in e-tendering mode and the Bid documents can be downloaded for ONLINE bidding by the bidders, who has the Digital Signature Certificates.
- For any assistance you may please contact our service provider personnel at Phone No 03776 – 265774, email: [z\\_tender@nrl.co.in](mailto:z_tender@nrl.co.in)
- Bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The Toll free contact number for the helpdesk is 1800 3070 2232.
- Bids received by way of Post, Courier, Fax, Telex or Telegram or email or in open condition shall not be considered.**

3. **PRE-QUALIFICATION CRITERIA (PQC):**

- Average Annual Turnover during last 3 years, ending 31st March of previous Financial Year: At least Rs. 55.97 lakhs; in support of which audited balance sheet incl. profit & loss account to be furnished.
- The bidder shall have experience of having successfully completed similar jobs during last 10 years to be reckoned from the due date of submission of bid. The value of works completed (proof of completion to be submitted) should be as follows:
  - a. One similar completed job of value not less than INR 93.29 Lacs  
OR
  - b. Two similar completed jobs of total value not less than INR 74.63 Lacs  
OR
  - c. Three similar jobs of a total value not less than INR 55.97 Lacs
- **Similar job** shall be considered as Design, Engineering, Supply, Installation, Testing and Commissioning of chain conveyor system for an e carousel and all its associated works for any LPG Bottling Plant in the petroleum industry.
- Necessary documents shall be submitted in support of the same. Bidder shall submit the signed Agreement/ PO Copy/ Work Order/ BOQ and completion certificate (indicating PO/WO) or any other document which proves value of completed jobs against the order, to the satisfaction of NRL, for the similar works done in the past, in supporting of fulfilling of the above criteria. Work Completion Certificate should essentially consist of the following –
  - a. Awarded Contract Value
  - b. Executed Contract Value
  - c. Contractual Period
  - d. Contract Start Date
  - e. Contract Completion Date
  - f. Actual completion date

4. **EVALUATION OF THE TENDER:** Tender shall be evaluated on '**OVERALL Lowest Offer Basis**'. This job is non splittable.

5. **BID REJECTION CRITERIA:**

- BRC 1: The bidders shall adhere to the provisions pertaining to defects liability period, delivery schedule, insufficient validity period, advance payment of the bidding document without taking any deviations, failing which the Bid shall be considered to be non-responsive and may be rejected.
- BRC 2: Payment terms as stated in the RFQ shall be accepted without deviation. Price basis shall be "FOR NRL stores" and date of receipt at NRL stores will be considered as delivery date.
- BRC 3: General Purchase Conditions (GPC) of NRL shall be accepted without deviation.

6. **DOCUMENTS TO BE UPLOADED AS A PART OF PART – I: TECHNO-COMMERCIAL / UNPRICED E-BID:**

- a) Documents in support of PQC.
- b) PAN No., Service Tax Registration No. and EPF Registration No., Current income tax challan, Registration certificate /Trade licence certificate/ Enlistment certificate / Incorporation certificate in any Govt. depts. / Statutory body / PSU shall be submitted  
Such other certificates if any as defined in the ITB  
Copy of partnership deed in case of partnership firm, Memorandum and Article of Association in case of limited company, ownership certificate in case of sole of proprietary firm and Power of Attorney in favour of authorized signatory in case the firm is not a proprietary firm.

- c) Agreed Terms & Conditions (ATC) duly filled, signed & stamped. The commercial terms & conditions should not be repeated in the offer.
- d) Vendor Details as per Format enclosed.
- e) In case bidder is Micro & Small Enterprise (MSE), EM-II Certificate & Indemnity Bond as per clause no. 8 of this NIT.
- f) Duly signed & stamped copy of (i) Technical Compliance Sheet, (ii) Deviations (if any) etc.

7. **DOCUMENTS TO BE SUBMITTED AS A PART OF PART – II: PRICED E-BID:**

- (a) BoQ/Priced Bid “in "XLS" format as per instructions provided.

**IMPORTANT NOTE:**

- (i) ***Bidder to quote Unit Price (FOR NRL Site), Taxes, Duties, all other charges (i.e. P&F, Freight, Transit Insurance, TPI/ IBR Charges) & Cenvat Benefit for supply items and basic unit price, service tax including applicable cess and cenvat benefit for service tax items only in online BoQ/Priced Bid in "XLS" format strictly as per instructions provided. Charges quoted elsewhere shall be ignored and will not be taken into consideration.***
- (ii) *Bidders are strictly advised not to submit any additional offer documents mentioning commercial terms and conditions beyond the documents and forms published along with this tender. No subsequent revision in the BoQ is possible after final submission. Any services, charges, taxes and duties left blank or =0 (zero) in the online priced bid (BoQ) shall be deemed to be inclusive in the quoted price. However, Entry Tax (as applicable) will be in NRL scope and shall be loaded during priced evaluation.*
- (iii) *Ambiguity/contradiction/lack of clarity may lead to rejection at any stage of the tender without further notice.*

8. **BENEFITS TO MICRO AND SMALL ENTERPRISES:**

With reference to Public Procurement Policy for Micro and Small Enterprises (MSEs) notified by the Government under the Micro, Small and Medium Enterprise Development Act, 2006, which came into effect from 1st April, 2012. The Ministry of MSME published an order known as Public Procurement Policy for Micro and Small Enterprises (MSEs) Order 2012 under which Micro and Small Enterprises (MSEs) shall be entitled for benefits, subject to terms and conditions as under:

(A) **Qualifying Criteria for MSEs vendors:**

- (I) MSE bidders must submit Notarized copy of MSE Registration document (all the pages of the EM-II Certificate [Part – II Memorandum]) from any of the following body (or any other body specified by the Ministry of MSME) :
  - National Small Industries Corporation (NSIC)
  - District Industries Centres (DIC)
  - Coir Board

- Khadi and Village Industries Commission (KVIC)
  - Khadi and Village Industries Board (KVIB)
  - Directorate of Handicrafts and Handloom
- (II) Indemnity Bond (on Rs. 100 Stamp Paper) stating that “The Bidder” shall offer and supply the entire tender quantity from the plant (situated at \_\_\_\_\_ Plant Address \_\_\_\_\_), which is having MSE Certification.
- (III) The MSE Registration shall be valid as on date of placement of order.
- (IV) The registration must be for the items /services relevant to the tendered items /services.
- (V) The classification and registration as Small Scale Industries has been rescinded, after implementation of the MSMED Act 2006. The same is also issued vide policy ref. no. 5(1)/2011-MSME Pol. dtd. 14.06.2011 issued from the Office of the Development Commissioner, Ministry of MSME, Govt. of India. So, the use of Small Scale Industries in statutes/ rules/ guidelines/ instructions etc. is to be substituted by the term Micro and Small Enterprise (MSE) and permanent SSI registration is to be substituted by Entrepreneurs Memorandum Acknowledgement (Part-II). As such, certificates with SSI registration shall not be considered eligible for the benefits under Public Procurement Policy for Micro and Small Enterprises (MSEs) Order 2012.

**Note:** Scan copy of Indemnity Bond and Notarized copy of MSE Registration documents (all the pages of the EM-II Certificate [Part – II Memorandum]) to be uploaded by the bidder along with their un-priced (Techno-Commercial) bid and Original/True copy to be submitted in a sealed envelope superscribed as - “Submission of Original Indemnity Bond & Original Notarized copy of MSE Registration document for the job of “Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)” Tender No: (Tender No : OC10000187/DJD) and to be send to the undersigned on or before bid submission close date. In absence of above documents, benefit to MSE will not be passed on to bidders.

**(B) Purchase Preference for MSE:**

In tenders, participating Micro and Small Enterprises quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 20 percent of total tendered value.

In such cases, the MSE who is lowest within the MSEs and quoting price within the price band of L1+15% shall be provided the first opportunity to agree to supply the item at the L1 price and on his refusal to accept the L1 price, opportunity shall be provided so on to the other MSEs.

**(C) Exemption from Earnest Money Deposit (EMD)/ Tender cost for MSE:**

Not applicable in this tender.

9. **GENERAL:**

- i) Bidder should not be under liquidation, court receivership or similar proceedings. Bidder to submit the self certificate in this regard.
- ii) Agencies submitting their bids shall not be on Holiday list of NRL.
- iii) Consortium/Joint venture bids shall not be accepted.
- iv) Canvassing in any other form by the bidder or by any other agency on their behalf may lead to disqualification of their bid.
- v) In case any of the document/information(s) furnished by a bidder are found to be false/forged, such bidder shall be kept in holiday list/ black list apart from other penal actions as deemed fit by NRL.
- vi) NRL reserves the right to defer the date/time of opening of the offer; to make changes in the terms & conditions of tender document and to reject any or all bids without assigning any reason thereof.

**Date: 22-09-2016**

**GM (Commercial & Legal)  
Numaligarh Refinery Limited.  
Commercial Dept, Pankagrath,  
PO- NR Project, Dist – Golaghat.  
PIN-785699, Assam.**

Contact Person: Dhrubajyoti Das

Phone : 03776-265477

Email ID: djd@nrl.co.in

**NUMALIGARH REFINERY LIMITED**  
**AGREED TERMS & CONDITIONS (ATC)**

Bidder M/s \_\_\_\_\_ Tender No : **OC10000187/DJD**

Offer Ref & Date: \_\_\_\_\_ Signature : \_\_\_\_\_

Tel. No/ Mob: \_\_\_\_\_ Name : \_\_\_\_\_

E-mail id \_\_\_\_\_ Official Seal : \_\_\_\_\_

***DULY FILLED, SIGNED & STAMPED COPIES OF THIS PRE-FILLED "QUESTIONNAIRE" SHALL BE ENCLOSED WITH BIDDER'S UNPRICED QUOTATION. FAILURE ON THE PART OF BIDDER IN NOT RETURNING THIS DULY FILLED-UP "QUESTIONNAIRE WITH UNPRICED QUOTATION AND/OR SUBMITTING INCOMPLETE REPLIES MAY LEAD TO REJECTION OF BIDDER'S QUOTATION".***

| SN  | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | BIDDER'S CONFIRMATION  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 01. | <b>EVALUATION OF TENDER:</b><br>Basis of Evaluation of this tender shall be on – 'OVERALL lowest offer basis'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Noted                  |
| 02. | Quoted price shall be on FOR NRL Site basis.<br><br>Please indicate the following:<br>(a) Despatch Point of the goods:<br><br>(b) Mode of despatch of goods:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | (a) _____<br>(b) _____ |
| 03. | Please confirm that you have quoted price on FOR NRL Site basis; Separately indicating Basic Price (on Ex-works), P&F (in % of basic), Freight Charge (in % of basic), Transit Insurance (in % of basic), Service Tax (in %), Excise Duty (in %), CST/ VAT (in %) and Cenvat Credit (in %) in the " BoQ/Priced Bid " in "XLS" format as per instructions provided                                                                                                                                                                                                                                                                                                                                                                                           | Confirmed.             |
|     | <b>NOTE:</b> Where any field in the online priced bid (BoQ) is left blank or =0, the charge, tax or duty shall be considered as either inclusive, nil or not applicable. Charges quoted elsewhere may be ignored in priced bid evaluation and shall not be borne by NRL. Bidders are strictly advised not to submit any additional offer documents mentioning commercial terms and conditions beyond the documents and forms published alongwith this tender. No subsequent revision in the BoQ is possible after final submission. Any services, charges, taxes and duties left unquoted shall be deemed to be inclusive in the quoted price. <b>However, Entry Tax (as applicable) will be in NRL scope and shall be loaded during priced evaluation.</b> | Noted                  |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                 |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|     | <p>Extent of CENVAT benefit on Excise Duty and Service Tax shall also be quoted online. example ED =12.36 (percent) CENVAT credit = 12.36 (percent).</p> <p>For items where ED is inclusive in quoted price but CENVAT benefit is offered@7%, following example is provided- ED =0 (percent) CENVAT credit = 7 (percent).</p> <p>Ambiguity/contradiction/lack of clarity may lead to rejection at any stage of the tender without further notice.</p>                                                                                    |                                                                                                 |
| 04. | <b>PACKING &amp; FORWARDING (P&amp;F) CHARGES:</b> Seller to indicate applicability of P&F charges as per the respective quoted rates in BOQ or it is inclusive.                                                                                                                                                                                                                                                                                                                                                                         | Quoted/ Inclusive                                                                               |
| 05. | <p><b>EXCISE DUTY:</b></p> <p>(a) Seller to indicate applicability of Excise Duty as per the respective quoted rates in BOQ or it is inclusive.</p> <p>(b) NRL is entitled to avail cenvat benefit on 100% of applicable Excise Duty. Vendor shall furnish Excise Duty Gate pass for availing cenvat benefit on 100% of applicable Excise Duty by NRL. Vendor may pass on CENVAT benefit even excise duty is not quoted.</p>                                                                                                             | <p>Quoted/ Inclusive</p> <p>Confirmed.</p>                                                      |
| 06. | <p><b>SERVICE TAX:</b></p> <p>Seller to indicate applicability of Service Tax as per the respective quoted rates in BOQ or it is inclusive.</p>                                                                                                                                                                                                                                                                                                                                                                                          | Quoted/ Inclusive                                                                               |
| 07. | <p><b>SALES TAX/ VAT:</b></p> <p>(a) Seller to indicate applicability of “CST Against form-C” as per the respective quoted rates in BOQ or it is inclusive.</p> <p>(b) C-Form will be issued on quarterly basis by NRL after release of full payment for supply component:</p> <p>(c) Seller to indicate applicability of VAT as per the respective quoted rates in BOQ or it is inclusive.</p> <p>(d) VAT on WCT shall be applicable on 00010, 00020, 00030 &amp; 00040 of BoQ and the same shall be inclusive in the quoted price.</p> | <p>a) Quoted/ Inclusive/ NA</p> <p>b) Noted</p> <p>c) Quoted/ Inclusive/ NA</p> <p>d) Noted</p> |
| 08. | <p><b>THIRD PARTY INSPECTION CHARGE:</b></p> <p>Seller to indicate the charge for Third Party Inspection Charge as per the respective quoted rates in BOQ or it is inclusive.</p>                                                                                                                                                                                                                                                                                                                                                        | Quoted/ Inclusive                                                                               |
| 09. | <p><b>FREIGHT CHARGES:</b></p> <p>Please note that Transportation up to NRL Site is in the scope of Seller. Seller to indicate firm freight charge as per the respective quoted rates in BOQ or it is inclusive.</p>                                                                                                                                                                                                                                                                                                                     | Quoted/ Inclusive.                                                                              |
| 10. | <p><b><u>PAYMENT TERM:</u></b></p> <p>Acceptance of NRL Payment term as referred in Payment terms in Special Conditions of Contract.</p>                                                                                                                                                                                                                                                                                                                                                                                                 | Confirmed                                                                                       |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 11. | <b>TRANSIT RISK INSURANCE:</b><br>Transit insurance up to NRL Site is in the scope of Seller. Seller to indicate applicability of Transit Risk Insurance as per the respective quoted rates in BOQ or it is inclusive.                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quoted/ Inclusive |
| 12. | <b>DELIVERY PERIOD:</b><br>All scopes under this job including designing, supply, installation, commissioning, site works, etc. to be completed in all respects within 06 months from the date of LOI/PO, whichever is earlier.                                                                                                                                                                                                                                                                                                                                                                                                                                      | Confirmed.        |
| 13. | <b>OFFER VALIDITY:</b><br>Bid shall remain valid for a period of 90 days from the bid due date/extended due date.<br><br><i><b>Note: Incase any bidder quotes shorter bid validity, his offer shall be liable for rejection.</b></i>                                                                                                                                                                                                                                                                                                                                                                                                                                 | Confirmed.        |
| 14. | <b>PRICE REDUCTION CLAUSE FOR DELAYED DELIVERY:</b><br>In case of delay in execution of the order, NRL may at its option, recover from the bidder price reduction of 0.5% of the value of delayed goods per week of delay or part thereof subject to a maximum of 5% of the total order value of goods.                                                                                                                                                                                                                                                                                                                                                              | Confirmed         |
| 15. | <b>REPEAT ORDER:</b><br>Acceptance of repeat order within 12 (Twelve) Months from the date of Purchase Order at same prices, terms and conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Not applicable.   |
| 16. | <b>GUARANTEE / WARRANTEE CLAUSE:</b><br>Vendor shall guarantee NRL against any and all defects in design, workmanship of material and performance for a period of 12 months from the date of commissioning/ installation or 24 months from the date of last despatch, whichever expires first. Should any defects develop during the guarantee period, it should be remedied promptly free of cost by the vendor and all expenses for transportation of goods necessitated for such repairs or replacement shall be borne by the vendor. The guarantee period for such repaired/replaced goods shall again be 12 months from the date of commissioning/installation. | Confirmed.        |
| 17. | <b>PERFORMANCE BANK GUARANTEE (PBG):</b><br>Submission of Performance Bank Guarantee for 10% of total order value for supply (as per NRL's standard PBG format attached with tender document) valid till for full guarantee period plus 3(Three) months of claim period.                                                                                                                                                                                                                                                                                                                                                                                             | Confirmed.        |
| 18. | <b>ACCEPTANCE OF NRL GPC:</b><br>Acceptance of General Purchase Conditions (GPC) of NRL shall be accepted without deviation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Confirmed.        |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |            |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 19. | <b>NO ESCALATION CLAUSE:</b><br>(a) No escalation of contract value, in any form whatsoever will be entertained during the contract period.<br>(b) For applicable labour wage at NRL site & other related information regarding labour wages, kindly refer “circular wages for contract workmen’. This circular is available at NRL Website <a href="http://www.nrl.co.in/tender">www.nrl.co.in/tender</a> (Tender Room under heading “Circular of Wages for contract workmen”).<br>(c) No mobilization advance will be paid to the contractor for execution of this work.<br>(d) Insurance shall be effected for all employees of the contractor, engaged in the performance of the subject job. (Refer clause 104.1 (ii) of GCC). | Confirmed. |
| 20. | Lists of deviation stated is limited to exemption & deviation as per <b>ANNEXURE –IV</b> (page-16)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Confirmed. |
| 21. | Information furnished by the bidder is correct in all respects. In case of submission of any false information/ forged documents, offer shall be summarily rejected and penal action including holiday listing as deemed fit will be done by NRL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Noted.     |

**SIGNATURE OF BIDDER** : \_\_\_\_\_

**NAME OF BIDDER** : \_\_\_\_\_

**COMPANY SEAL** : \_\_\_\_\_

**DATE** : \_\_\_\_\_

### TECHNICAL COMPLIANCE SHEET

**Tender No** : OC10000187/DJD  
**Subject** : Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)

***Duly signed & stamped copy of this pre-filled 'Technical Compliance Sheet' along with all requisite technical documents/ drawings / information shall be enclosed with bidder's un-priced quotation. Failure on the part of bidder in not submitting the same may lead to rejection of bidder's quotation.***

| SN  | TECHNICAL REQUIREMENT                                                                                                                                                                                                                                                                                  | BIDDER'S CONFIRMATION |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 01. | Item Specification as per the BOQ/ Item Description / SCC / Technical Specification.<br>During execution scope of facilities to be provided etc. applicable laws, practices etc. additional work, extra work etc. system spares, etc. shall be guided by attached SCC and as per the direction of NRL. | Noted & confirmed.    |
| 02. | Delivery shall be as per the item specification make in the BOQ / Item Description/ SCC/ Technical Specification in this RFQ document. Bidder has to strictly adhere to specifications and in case of any deviation the same has to be replaced free of cost.                                          | Confirmed             |
| 03. | Item shall be dispatched properly as per the packing & despatch under specifications in this RFQ. Special care shall be taken by the supplier to minimize transit damage.                                                                                                                              | Confirmed             |

**SIGNATURE OF BIDDER** : \_\_\_\_\_

**NAME OF BIDDER** : \_\_\_\_\_

**COMPANY SEAL** : \_\_\_\_\_

**DATE** : \_\_\_\_\_

**ANNUAL TURNOVER IN LAST THREE YEARS**

**Name of Work :** Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)

**Tender No. :** OC10000187/DJD

**Name of Bidder :**

| Sl. No | Financial Year | Turnover |
|--------|----------------|----------|
| 1      | 2013-2014      |          |
| 2      | 2014-2015      |          |
| 3      | 2015-2016      |          |

Copy of audited Trading & P/L accounts of respective years to be provided.

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(SIGNATURE OF BIDDER)

**DETAILS OF PAST EXPERINCE DURING THE PAST TEN YEARS**

**Name of Work :** Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)

**Tender No. :** OC10000187/DJD

**Name of Bidder :**

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| Sl.No. | Full postal address of client<br>& name of officer-in-charge | Description of<br>work | Value of<br>contract | Date of<br>commencement | Actual completion<br>time |
|--------|--------------------------------------------------------------|------------------------|----------------------|-------------------------|---------------------------|
|--------|--------------------------------------------------------------|------------------------|----------------------|-------------------------|---------------------------|

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\_\_\_\_\_  
(SIGNATURE OF BIDDER)

**PROPOSED SITE ORGANISATION**

(Please refer to SCC for RFQ requirement)

**Name of Work :** Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)

**Tender No. :** OC10000187/DJD

**Name of Bidder :**

Our site organisation shall consist of the following categories of **minimum** manpower with tentative numbers. Numbers of manpower of any category shall be increased based on instruction of NRL

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(SIGNATURE OF BIDDER)

**COMPLIANCE TO BID REQUIREMENTS**

**Name of Work** : Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)

**Tender No.** : OC10000187/DJD

**Name of Bidder** :

We confirm that our bid complies to the total techno-commercial requirements of bidding document with the following deviation(s):

| Sl No | Page No of this Document | Deviation in brief (Details may be attached in separate sheets and may be mailed prior to pre-bid meeting) |
|-------|--------------------------|------------------------------------------------------------------------------------------------------------|
|       |                          |                                                                                                            |
|       |                          |                                                                                                            |
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|       |                          |                                                                                                            |
|       |                          |                                                                                                            |

Total Nos of deviations stated above .....

Deviations stated in other (..... Nos of) pages .....

\_\_\_\_\_  
(SIGNATURE OF BIDDER)

## **SPECIAL CONDITIONS OF CONTRACT**

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| 18.0 | COMPUTERIZED CONTRACTORS BILLING SYSTEM       |
| 19.0 | COMPLETION DOCUMENTS                          |
| 20.0 | ELECTRICAL CONTRACTOR'S LICENCE               |
| 21.0 | MAKE OF MATERIALS                             |
| 22.0 | RESPONSIBILITY OF CONTRACTOR                  |
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| 24.0 | ERECTION OF EQUIPMENT                         |
| 25.0 | CHECKING OF LEVELS                            |
| 26.0 | ADDITIONAL WORKS/ EXTRA WORKS                 |
| 27.0 | VENDOR LIST FOR BOUGHT OUT MATERIALS          |

## **1.0 GENERAL**

- 1.1 Special Conditions of Contract shall be read in Conjunction with the General conditions of Contract, specification of work, Drawings and any other documents forming part of this Contract wherever the context so requires.
- 1.2 Notwithstanding the sub-division of the documents into these separate sections and volumes every part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so.
- 1.3 Where any portion of the General Condition of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, unless a different intention appears, the provisions of the special Conditions of Contract shall be deemed to over-ride the provisions of the General Conditions of Contract and shall to the extent of such repugnancy, or variations, prevail.
- 1.4 Wherever it is mentioned in the specifications that the Contractor shall perform certain Work or provide certain facilities, it is understood that the Contractor shall do so at his cost and the Value of Contract shall be deemed to have included cost of such performance and provisions, so mentioned.
- 1.5 The materials, design, and workmanship shall satisfy the relevant Indian Standards, the Job Specifications contained herein and Codes referred to. Where the job specification stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.
- 1.6 In case of an irreconcilable conflict between Indian or other applicable standards, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings or Schedule of Rates and any other portion of Bidding Document the following shall prevail to the extent of such irreconcilable conflict in order of precedence.
  - i) Letter of Acceptance along with enclosures.
  - ii) Letter / Fax of Acceptance.
  - iii) Schedule of Rates as enclosures to Letter of Acceptance.
  - iv) Special Conditions of Contract
  - v) Job / Particular Specifications.
  - vi) Scope Of Work.
  - vii) Drawings
  - viii) Technical / Material Specifications.
  - ix) General Conditions of Contract.
  - ix) Indian Standards
  - x) Other applicable Standards
- 1.7 It will be the Contractor's responsibility to bring to the notice of Engineer-in-Charge any irreconcilable conflict in the contract documents, before starting the work (s) or making the supply with reference, which the conflict exists.
- 1.8 In the absence of any Specifications covering any material, design of work (s) the same shall be performed / supplies / executed in accordance with Standard Engineering Practice as per the instructions / directions of the Engineer-in-Charge, which will be binding on

the Contractor.

**2.0 SCOPE OF WORK & SCOPE OF SUPPLY**

2.1 Scope of work and supply shall be as specified in Technical Section of the bidding document.

**3.0 SUPPLY OF WATER, POWER & OTHER UTILITIES**

3.1 Construction Water shall be provided by Owner to the Contractor free of cost at one point near the battery limit of the Plant. Contractor shall make his own arrangement for further distribution of the same at his own cost.

3.2 Construction Power shall be provided by Owner to the Contractor free of cost at one point near the battery limit of each location. Contractor shall make his own arrangement for further distribution of the same at his own cost.

3.3 The CONTRACTOR shall remove all temporary buildings / facilities etc. before leaving the site after completion of works in all respect.

**4.0 TIME OF COMPLETION**

4.1 The work shall be executed strictly as per time Schedule mentioned elsewhere in the bidding document. The period of completion given includes the time required for mobilization as well as testing, rectifications, if any, retesting and completion in all respects to the entire satisfaction of the Engineer-in-Charge.

4.2 The Engineer-in-Charge and Contractor will prepare a joint programme of execution of work. This programme will take into account the time of completion mentioned above.

4.3 Monthly/ weekly construction programme will be drawn up by Engineer-in-Charge jointly with the Contractor based on availability of work fronts and the joint construction programmes as 4.2 above. The Contractor shall strictly adhere to this Targets/ Programme.

4.4 Contractor shall give every day report on category wise labour and equipment deployed along with the progress of work done on previous day in the proforma prescribed by the Engineer-in-Charge.

**5.0 COMPLIANCE WITH LAWS**

5.1 The Contractor shall abide by all applicable rules, regulations, statutes, laws governing the performance of works in India, including but not limited to the following:

- i) Contract Labour (Regulation & Abolition) Act 1870 & the centre rules 1871, framed there under.
- ii) Payment of Wages Act.
- iii) Minimum Wages Act.
- iv) Employer's Liability Act.
- v) Factory Act.
- vi) Apprentices Act.
- vii) Workman's Compensation Act.
- viii) Industrial Dispute Act.
- ix) Environment Protection Act.
- x) Wild life Act.

- xi) Maritime Act.
- xii) Any other Statute, Act, Law as may be applicable.

**6.0 DELETED**

**7.0 DELETED**

**8.0 DELETED**

**9.0 PROVIDENT FUND**

9.1 The Contractor shall strictly comply with the provisions of Employees Provident Fund Act and register themselves with RPFC before commencing work. The Contractor shall deposit Employees and Employers contributions to the RPFC every month. The Contractor shall furnish along with each running bill, the challan/ receipt for the payment made to the RPFC for the preceding months.

**10.0 MOBILISATION ADVANCE**

10.1 No Mobilisation advance shall be paid for this contract.

**11.0 CHANGE ORDERS**

11.1 A change order will be initiated in case:

- i) The Owner directs the Contractor to include any addition to the scope of work not covered under this contract or deletes any part of the scope of the work under the contract.
- ii) Contractor requests to delete any part of the work which will not adversely affect the operational capabilities of the project and if agreed by the Owner and for which cost and time benefits shall be passed on to the Owner.

11.2 Any changes required by the Owner before giving their approval to detailed procedure or any other document relating to material procurement, layout plans etc for complying with the requirements of bidding document shall not be construed to be a change in the scope of work under the contract.

11.3 Any change order as above comprising an alteration which involves a change in the cost of the works (which sort of alteration is hereinafter called a "Variation") shall be the subject of an amendment to the contract by way of an increase or decrease in the contract price and adjustment of the Construction Schedule if any.

11.4 If the contract provides applicable rates for the valuation of the variation in question, the contract price shall be increased or decreased in accordance with those rates. If the parties agree that the contract does not contain applicable rates then the parties shall negotiate a revision of the contract price which shall represent the change in cost of the works caused

by the variations. Any change order must be duly approved by the Owner in writing.

11.5 Within 10(Ten) working days of receiving the comments from the Owner on the documents submitted by the Contractor for approval, the Contractor's response in writing stating which item(s) is/are potential change (s), if applicable, will be submitted to the Owner.

11.6 **PROCEDURE**

11.6.1 During execution of work if the Contractor observes that any new requirements which is not specific or intended in the bidding document has been indicated by Owner, they shall discuss the matter with Owner's representatives.

11.6.2 In case such requirement arises from the side of the Contractor they would also discuss the matter with Owner's Representative.

11.6.3 In either of the two cases above, the representatives of both the parties shall discuss the project requirement and mutually decide whether the project requirement constitutes a change order.

11.6.4 If it is mutually agreed that the project requirement/Inquiry constitutes a "Change Order" then a joint memorandum will be prepared to confirm a "Change Order" and basic ideas of necessary agreed modifications.

11.6.5 Contractor will study the work required in accordance with the Joint memorandum and assess subsequent schedule and cost effect if any.

11.6.6 The results of this study would be discussed mutually to enable Owner to give a final decision whether Contractor should proceed with the Change Order or not, in the best interest of the Project.

11.6.7 If Owner's representative accepts the change order in writing then Contractor shall proceed with the work stipulated in the Change order. Time worked by all workmen employed and a statement showing the description and quantity of all materials and plant utilised for extra work shall be submitted to Owner. The Owner's representative shall sign and return to the Contractor the statement, as agreed. At the end of each month the Contractor shall deliver to the Owner's representative a priced statement of the labour, materials and plant used. Whenever any dispute arises as to cost allocation between the Contractor and the Owner, the voucher shall nevertheless be signed by the Owner as a record of time worked and materials used. List and vouchers so signed will be the subject of negotiations between the Owner and the Contractor regarding their costs allocation.

11.6.8 In case, mutual agreement as above that is whether Project Requirement constitutes a Change order or not, is not reached, then Contractor, in the interest of the project, shall take up the implementation of the work, if advised in writing to do so by Owner's representative pending settlement between the two parties to the effect whether the Project Requirement constitutes a change order or not as per the terms and conditions of

## Contract Documents.

- 11.6.9 The time and cost effect in such a case shall be mutually verified for the purpose of record. Should it be established that the said work constitutes a Change Order, the same shall be compensated taking into account the records kept and in accordance with the contract.
- 11.7.10 Should the amount of extra work/ change order, if any, which the Contractor may be required to perform by the Owner, fairly entitles the Contractor to extensions of time beyond the scheduled completion date for completion of either the whole of the works or for such extra work only, the Owner and the Contractor shall mutually discuss and decide the extension of time, if any to be granted to the Contractor.

## **12.0 STATUTORY APPROVALS**

- 12.1 The approval from any authority required as per statutory rules and regulations of Central/State Government/Local Bodies shall be the contractor's responsibility unless otherwise specified in the bid document. The application on behalf of the Owner for submission to relevant authorities along with copies of required certificates complete in all respects shall be prepared and submitted by the Contractor well ahead of time so that the actual construction/ commissioning of the work is not delayed for want of the approval/inspection by concerned authorities.
- 12.2 The Contractor shall arrange the inspection of the works by the authorities and necessary co-ordination and liaison work in this respect shall be the responsibility of the contractor. However statutory fees paid, if any, for all inspections and approvals to such authorities shall be reimbursed at actual by the Owner to the contractor on production of documentary evidence.
- 12.3 Any change/ addition required to be made to meet the requirements of the statutory authorities shall be carried out by the contractor without additional cost to Owner. The inspection and acceptance of the work by statutory authorities shall however, not absolve the contractor from any of his responsibilities under this contract.

## **13.0 TESTS AND INSPECTION**

- 13.1 The Contractor shall carry out the various tests as enumerated in the technical specifications of this bidding document and the technical documents that will be furnished to him during the performance of the work.
- 13.2 All the tests either on the field or at outside laboratories concerning the execution of the work and supply of materials by the Contractor shall be carried out by Contractor at his own cost.
- 13.3 The work is subject to inspection at all times by the Engineer-in-Charge. The contractor shall carry out all instructions given during inspection and shall ensure that the work is being carried out according to the technical specifications of this bid document, the technical documents and the relevant codes of practice will be furnished to him during the performance of the work.

- 13.4 The Contractor shall provide for purposes of inspection access ladders, lighting and necessary instruments at his own cost.
- 13.5 Any work not conforming to execution drawings, specifications or codes shall be rejected forthwith and the Contractor shall carryout the rectifications at his own cost.
- 13.6 All results of inspection and tests will be recorded in the inspection reports, proforma of which will be approved by the Engineer-in-Charge. These reports shall form part of the completion documents.

**14.0 INSPECTION:**

- 14.1 The Contractor shall ensure full and free access to the inspection engineer of Owner at the Contractor's or their sub-contractor's premises at any time during contract period to facilitate him to carry out inspection and testing assignments.
- 14.2 The Contractor/sub-contractor shall provide all instruments, tools, necessary testing and other inspection facilities to inspection engineer of Owner free of cost for carrying out inspection.
- 14.3 Where facilities for testing do not exist in the Contractor's/sub-contractor's laboratories, samples and test pieces shall be drawn by the Contractor/Sub-Contractor in presence of Inspection Engineer of Owner and duly sealed by the later and sent for testing in Government approved Test House or any other testing laboratories approved by the Inspection Engineer at the Contractor's cost.
- 14.4 After completion of all tests as per specification the whole work will be subject to a final inspection to ensure that job has been completed as per requirement. If any defects noticed in the work attributable to Contractor, the Contractor at his own cost shall attend these, as and when the owner brings them to his notice. The Owner shall have the right to have these defects rectified at the risk and cost of the contractor if he fails to attend to these defects immediately.

**15.0 SITE CLEANING**

- 15.1 The Contractor shall clean and keep clean the work site from time to time to the satisfaction of the Engineer- in-Charge for easy access to work site and to ensure safe passage, movement and working.
- 15.2 If the work involves dismantling of any existing structure in whole or part, care shall be taken to limit the dismantling up to the exact point and/or lines as directed by the Engineer-in-Charge and any damage caused to the existing structure beyond the said line or point shall be repaired and restored to the original condition at the Contractor's cost and risks to the satisfaction of the Engineer-in-Charge, whose decision shall be final and binding upon the Contractor.
- 15.3 The Contractor shall be the custodian of the dismantled materials till the Engineer-in-Charge takes charge thereof.
- 15.4 The Contractor shall dispose off the unserviceable materials, debris etc. to any area as

decided by the Engineer-in-Charge.

15.5 The Contractor shall sort out, clear and stack the serviceable materials obtained from the dismantling/renewal at places as directed by the Engineer-in-Charge.

16.6 No extra payment shall be paid on this account.

## **16.0 CONSTRUCTION EQUIPMENT AND ORGANIZATION**

### **16.1 CONSTRUCTION EQUIPMENT**

16.1.1 The Contractor shall without prejudice to his overall responsibility to execute and complete the work as per specifications and time schedule, progressively deploy **minimum resources** as specified in **Annexure – II** to this SCC as and when required and augment the same as decided by the Engineer-in-Charge depending on the exigencies of the work so as to complete all works within the contracted time schedule and without any additional cost to Owner. No construction equipment shall be supplied by the Owner.

### **16.2 SITE ORGANISATION**

16.2.1 Subject to the provisions in the contract document and without prejudice to Contractor's liabilities and responsibilities to provide adequate qualified skilled, semi skilled and unskilled personnel on the work, contractor shall deploy **minimum supervisory personnel (technical staff)** as specified in **Annexure – II** to this SCC and augment the same as decided by the Engineer-in- Charge depending upon the site requirement & the exigencies of work so as to complete all works within the contracted time schedule and without any additional cost to OWNER.

16.2 Price adjustment due to delayed mobilization or shortfall in mobilization of minimum equipment and manpower

16.3.1 Contractor shall mobilize and deploy all the equipments in good working condition indicated in "Minimum resources to be Deployed at Site by Contractor" enclosed as **Annexure – II** to SCC for the complete duration of the project till completion of work as per schedule.

16.3.2 Equipments may be demobilized by the contractor on completion of its requirement at site after written consent and clearance of Engineer-in-charge based on the request made by the Contractor. Unilateral withdrawal of any major equipments by the Contractor will attract cost recovery as per the recovery rates specified under schedule of rates from the date of demobilization till completion of physical work at site. The decision of Engineer-in charge is final and binding upon by the Contractor in this regard

## **17.0 QUALITY ASSURANCE/ QUALITY CONTROL**

17.1 The contractor should follow the earlier approved Quality Assurance Plan which was already approved by EIL for the same job. The copy of the QAP will be given to the contractor to adhere the same.

- 17.2 The Contractor shall establish document and maintain an effective quality assurance system outlined in recognized codes.
- 17.3 The Owner/ Consultant or their representative shall reserve the right to inspect/witness, review any or all stages of work at shop/site as deemed necessary for quality assurance.
- 17.4 The contractor has to ensure the deployment of quality Assurance and Quality Control Engineer(s) depending upon the quantum of work. This QA/QC group shall be fully responsible to carryout the work as per standards and all code requirements. In case Engineer-in-charge feels that contractor's QA/QC Engineer(s) are incompetent or insufficient, contractor has to deploy other experienced Engineer(s) as per site requirement and to the full satisfaction of Engineer-In-Charge.
- 17.5 In case contractor fails to follow the instructions of Engineer-in-charge with respect to above clauses, next payment due to him shall not be released unless until he complies with the instructions to the full satisfaction of Engineer-in-charge.

#### **18.0 COMPUTERIZED CONTRACTORS BILLING SYSTEM**

- 18.1 Without prejudice to stipulation in Terms and Conditions of Works Contract, Contractor should follow following billing system.
- 18.2 The bills will be prepared by the Contractor on their own PCs as per the standard formats and codification scheme proposed by Owner. The Contractor will be provided with data entry software to capture the relevant billing data for subsequent processing. Contractor will submit these data to Owner in an electronic media along with the hard copy of the bill, necessary enclosures and documents. The Contractor will also ensure the correctness and consistency of data so entered with the hard copy of the bill submitted for payment.
- 18.3 Owner/EIL will utilize these data for processing and verification of the contractor's bill and payment."

#### **19.0 COMPLETION DOCUMENTS**

- 19.1 a) The following documents shall be submitted in soft copy and hard binder by the Contractor in 6 (Six) sets, as a part of completion documents:
- i) Test Certificate, Warantee/Guarantee certificates and copies of Purchase Order with Prices blank from manufacturers for all supply material.
  - ii) All other requirements as specified in the respective specifications.
  - iii) As built drawings.
  - iv) Any other drawing/document/report specified elsewhere in the bidding document
- b) One set of reproducible on polyester film of construction drawings showing therein the execution of the work duly approved by the Engineer-in-Charge.

## **20.0 ELECTRICAL CONTRACTOR'S LICENCE**

No electrical work or work pertaining to electrical system(s) shall be permitted to be executed without a valid Electrical Contractor's License being produced by the CONTRACTOR or Sub- Contractor, as the case may be, intending to execute the work.

## **21.0 MAKE OF MATERIALS**

- 21.1 The materials required to be supplied by the Contractor under this contract shall be procured only from Owner / EIL approved vendors. Where the makes of materials are not indicated in the Bidding document Contractor shall furnish the details of makes and shall obtain prior approval of Engineer-in-Charge of vendors/sub-vendors before placing order.

## **22.0 RESPONSIBILITY OF CONTRACTOR**

- 22.1 It shall be the responsibility of the Contractor to obtain the approval for any revision and/or modifications decided by the Contractor from the Owner/ Engineer-in-charge before implementation. Also such revisions and/or modifications if accepted/approved by the Owner/Engineer-in-charge shall be carried out at no extra cost to the Owner. Any changes required during and/or after approval for detailed construction drawings due to functional requirements or for efficient running of system keeping the basic parameters unchanged and which has not been indicated by the Contractor in the data/drawings furnished along with the offer will be carried out by the Contractor at no extra cost to the Owner.
- 22.2 All expenses towards mobilisation at site and demobilisation including bringing in equipment, clearing the site etc. shall be deemed to be included in the prices quoted and no separate payments on account of such expenses shall be entertained.
- 22.3 It shall be entirely the Contractor's responsibility to provide, operate and maintain all necessary construction equipments, scaffoldings and safety gadgets, cranes and other lifting tackles, tools and appliances to perform the work in efficient manner and complete all the jobs as per time schedules.
- 22.4 Preparing approaches and working areas for the movement and operation of the cranes, levelling the areas for assembly and erection shall also be the responsibility of the Contractor. The Contractor shall acquaint himself with access availability, facilities such as railway siding, local labour etc. to provide suitable allowances in his quotation. The Contractor may have to build temporary access roads to aid his own work, which shall also be taken care while quoting for the work.
- 22.5 The procurement and supply in sequence and at the appropriate time of all materials and consumables shall be entirely the Contractor's responsibility and his rates for execution of work will be inclusive of supply of all these items.

## **23.0 GENERAL GUIDELINES DURING AND BEFORE ERECTION**

- 23.1 The CONTRACTOR shall be responsible for organising the lifting of the equipment in the

proper sequence for orderly progress of the work and to ensure that access routes for erecting the other equipments are kept open.

- 23.2 Orientation of all foundations, elevations, lengths and disposition of anchor bolts and diameter of holes in the supports and saddles shall be checked by the CONTRACTOR well in advance of the installation. Rectifications, including chipping of foundations, shall be carried out where necessary in consultation with the Engineer-in-Charge. If a structural member needs to be dismantled to facilitate the equipment erection, this shall be done by the CONTRACTOR after ensuring proper stability of the main structure in consultation with the Engineer-in-Charge. All such dismantled members shall be put back in position to the satisfaction of Engineer-in- Charge after the completion of the equipment erection.
- 23.3 During the performance of the Work the CONTRACTOR shall at his own cost keep structures, materials and equipment adequately braced by guys, struts or other approved means which shall be supplied and installed by the CONTRACTOR as required till the installation work is satisfactorily completed. Such guys, shoring, bracing, strutting, planking supports etc. shall not interfere with the work of other agencies and shall not damage or cause distortion to other works executed by the CONTRACTOR or other agencies.
- 23.4 The CONTRACTOR shall duly comply with manufacturer(s) recommendations and detailed specifications for the installation of the various equipment and machines.
- 23.5 Various tolerances required as marked on the drawings and/or in accordance with the specifications and/or instructions of the Engineer-in-charge shall be maintained. Verticality shall be verified with the Theodolite and shall be maintained.

#### **24.0 ERECTION OF EQUIPMENT**

- 24.1 All erection shall be carried out by deploying a crane(s) of suitable capacity. Erection by derrick shall not be permissible. The CONTRACTOR shall submit erection schemes for erection of critical equipments to Engineer-in-Charge for his approval. No equipment shall be erected in the absence of an approved erection scheme for such equipment.

Bamboo scaffolding for construction activities are not allowed, Contractor shall use Metallic Pipes for scaffolding.

#### **25.0 CHECKING OF LEVELS**

- 25.1 The Contractor shall be responsible for checking levels, orientation plan of all foundations, foundation bolts, etc., well in advance of taking up the actual erection work and bring to the notice of Engineer-in-Charge discrepancies, if any. In case of minor variations in levels etc. the Contractor shall carry out the necessary rectifications to the foundations within his quoted price.
- 25.2 The Contractor shall also be responsible for checking with templates, wherever necessary, the disposition of foundation bolts with the corresponding bases of structure and shall effect rectifications, as directed, within his quoted rate.

#### **26.0 ADDITIONAL WORKS/ EXTRA WORKS**

26.1 Owner reserves their right to execute any additional works/ extra works, during the execution of work, either by themselves or by appointing any other agency, even though such works are incidental to and necessary for the completion of works awarded to the Contractor. In the event of such decisions taken by Owner Contractor is required to extend necessary cooperation, and act as per the instructions of Engineer-in-Charge. No extra time/cost compensation will be made by Owner.

27.0 **VENDOR LIST FOR BOUGHT OUT MATERIALS**

As per annexure –III of SCC

28.0 **Special Condition As per Annexure I.**

## **Annexure-I of SCC**

1. Parties should visit the site to assess the working area as well as local conditions prior to quoting to ensure smooth working during the period of construction. Any delay on account of late mobilization will be viewed very seriously and necessary action will be initiated as per contract guidelines.
2. NRL LPG Bottling Plant is a working location where strict adherence to safety standards and stringent rules for access to work area shall be applicable and work permit system as per OISD will have to be ensured.
3. Stage wise release of work front based on prevailing site conditions to be considered and Party should be ready with men/machineries to complete the said job within the given contract period. for mobilising machineries & manpower
4. Entire package will be executed along with execution of other parallel jobs at the same area. Therefore understanding scope of execution in various phases is an important essence of this contract. Moreover, the job is required to be executed in close co-ordination with other agencies so that smooth execution of various job at the construction area can be ensured.
5. All equipments/fittings/ machineries/lifting tools & tackles required to be used by the contractor during the job execution of various job vide this contract shall be conforming to the safety norms prevailing at the location and also to be certified by competent authority. All JB's/light fittings required to be used near hazardous area by the contractor shall be FLP type with a valid test certificate. Use of suitable capacity armoured cable without joint with valid megar test report, fitness certificate for welding transformers, guard for grinding wheels etc. are also required to be ensured.

**Minimum List of Equipments**

| <b>S No</b> | <b>Equipment</b>                                     | <b>Nos</b> |
|-------------|------------------------------------------------------|------------|
| 1           | Welding Machine                                      | 1          |
| 2           | Grinding Machine                                     | 1          |
| 3           | DG Set                                               | 1          |
| 4           | Hydra/Crane of adequate capacity                     | 1          |
| 5           | Concrete breaker                                     | 1          |
| 6           | Non sparking tools of various sizes                  | 2          |
| 7           | Torque wrench (Ratcheting type) of required capacity | 2          |
|             |                                                      |            |

**Key Construction manpower**

|   |                   |   |
|---|-------------------|---|
| 1 | RCM/Site Incharge | 1 |
| 2 | Safety Officer    | 1 |
| 3 | Supervisor        | 2 |
| 4 | Store Keeper      | 1 |

**NOTE**

RCM/Site Engineer shall have mechanical engineer/ diploma in Mechanical and minimum experience of 5 years. Necessary certificates to be provided

Supervisor shall have experience in the relevant job for a minimum of 5 years.

Safety officer shall have knowledge and experience of 2 years in handling industrial safety aspect at a construction site. He must possess a diploma in industrial safety

This is the minimum requirement, same shall be augmented as per the requirement of project and as per instruction of EIC

Penalty against RCM/Site in Charge and Safety officer shall be Rs 3000 & Rs 1500 per manday respectively upto 3% of the executed value

**Approved Vendor for bought out items**

| <b>Item Description</b>                                        | <b>Approved Vendor</b>                                                                        |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Structural steel used for conveyor system & support, stand etc | TATA/JSW/ESSAR/RINL/Equivalent with prior approval                                            |
| Gear Box (Helical)                                             | Nord drive system/Premium Energy System/Equivalent with prior approval                        |
| Gear Box (Worm)                                                | Shanthi/Radicon/Elecon/Nord drive system/Premium Energy System/Equivalent with prior approval |
| FLP Motor                                                      | Bharat Bijlee/Kirloskar/Crompton/Equivalent with prior approval                               |
| Bearing                                                        | NTN/TOYO/TATA/SKF/FAG/Equivalent with prior approval                                          |
| Test bath for 35/47.5 Kg                                       | PAM System/KOSAN/Equivalent with prior approval                                               |
| Auto purging system                                            | PAM System/KOSAN/Equivalent with prior approval                                               |
| CVT                                                            | PAM System/KOSAN/Equivalent with prior approval                                               |
| Filling machines                                               | PAM System/KOSAN/Equivalent with prior approval                                               |
| Checkscales                                                    | PAM System/KOSAN/Equivalent with prior approval                                               |
| Loadcell                                                       | Sensotronic/Equivalent with prior approval                                                    |
| FLP start/stop, pushbutton                                     | Baliga/Flexpro/FCG/Equivalent with prior approval                                             |
| Single point evacuation unit                                   | PAM System/KOSAN/Equivalent with prior approval                                               |
| Solenoid Valve                                                 | ROTEX/Avcon/ASCO/ equivalent with prior approval                                              |
| FLP pressure switch                                            | INDFOSS/SWITZER/GENERAL INSTRUMENT/Equivalent with prior approval                             |
| Pneumatic component                                            | Festo/nucon/Equivalent with prior approval                                                    |
| PLC                                                            | Yokogawa/Emerson/Siemens/Equivalent with prior approval                                       |
| Washing Unit                                                   | PAM System/Raghavendra/Equivalent with prior approval                                         |

**Instruction to bidders**

**1.3 Important Information**

As the job shall take place inside Refinery premises, the bidder may please take note of the following points:

1. **Gate pass formalities** for men, materials and equipments as per prevailing norms and standards at NRL shall be followed. Gate pass for workers shall be applied to NRL along with PF, ESI, Police verification documents, all complete.
2. **Work permit system** (hot permit/ cold permit/ excavation permit/ height permit etc.) of NRL as applicable shall be followed.
3. Vehicles hired for bringing construction material shall have all necessary documents as required by CISF, NRL Unit.
4. **As all work will be executed in an operating unit the contractor has to erect Welding Booths covered on all sides with CGI Sheets so that there is no splash over of welding / grinding sparks outside the booths at the contractor's risk and cost. Only new CGI Sheets will be allowed to be used.**
5. For working within booths the party should have suitable metallic planks / gratings etc which will serve as the working platform for the executing team. Use of Bamboo or any wooden structure is strictly prohibited.
6. As the work requires working at height and within booths party should be equipped with scaffolding pipes of different sizes and in good condition. Scaffolding pipes will be subject to inspection prior to being cleared for erection.
7. For executing Hot Job the party should possess the following –
  - a. Suitable provision for Water Curtain
  - b. DCP Cylinder.
  - c. Asbestos Clothes
  - d. Plant Air Connectivity system to the booths.(Hot Job Procedure in running unit attached for reference).
8. All vehicular movement inside Refinery will abide by **SPEED LIMIT** and **TRAFFIC DIRECTIONS** to avoid accidents and other untoward incidents.
9. Spillage of mud/ soil/ debris on roads during vehicle movement to be avoided at all cost. In case, spillage occurs, the contractor has to immediately arrange for cleaning and removal of the same.
10. Proper discipline to be maintained by contractor work men. No deviation in this regard shall be accepted.
11. The contractor has to be responsible while deploying his workmen, so far as security is considered. The contractor shall ensure that only work men with good antecedents are engaged. No work men of doubtful character shall be deployed by contractor. Entry shall be permitted only through valid photo gate passes only. It is to be noted that NRL shall not accept any compromise with regard to security of the Refinery.
12. Employees shall be within age group of 18 to 60 years for fulfillment of work under the scope of the contractor.
13. All other Technical Standards / Specifications otherwise mentioned but not a part of the Tender Document will be provided to the successful Bidder based on requirement.
14. The contractor should have to bring only Pre-engineered Building (Porte Cabin) for office & store purpose.
15. No accommodation will be provided to the contractor's supervisors or any member by NRL.

16. System spares-

- i) Commissioning spares:- At the discretion of the supplier, However the bidder to ensure that the system start up & commissioning is not affected for want of adequate spares
- ii) Mandatory spares (to be considered for evaluation) :-
  - a. Gaskets & O rings – 200%
  - b. Bearings – 1 set each
  - c. Oil seal – 1 set each
  - d. For Electrical & Instrumentation mandatory spares, the bidders to quote separately.
  - e. To bring all the bidders at par, the final list of mandatory spares will be frozen after the pre-bid meeting with the intending bidders and published as a corrigendum.
- iii) Operation & maintenance spares:- Bidder to quote separately for 2 years operation & maintenance spares with price validity for 12 months

**Payment Terms**

|   |                                   |                                                                                    |                                                  |
|---|-----------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------|
| A | Design Part                       | 80% after submission of chain conveyor system design & approval by NRL/BPCL        | 20% after submission of as built drawing         |
| B | Supply Part                       | 80% after receipt of material along with test certificates, TPIA release note etc. | 20% on testing, commissioning & final acceptance |
| C | Installation & Commissioning Part | 80% after erection                                                                 | 20% on testing, commissioning & final acceptance |
| D | Supply & Erection Part            | 80% after erection                                                                 | 20% after clearance of site                      |
| E | Dismantling part                  | 100% after dismantling job and disposal as directed by EIC                         |                                                  |

**Note**

1. The 10% retention money will be retained for a period of one year and paid to the Contractor after adjusting any dues of the Corporation against the Contractor under the workmanship/materials provided to the Contractor and/or against any other claims for any reason whatsoever under the Agreement which may arise within the said period upto one year. The retention period of one year will commence from the date of completion of the job (as reckoned by NRL). Retention money can be paid before the retention period against Performance Bank Guarantee of equivalent value.
2. All the materials & equipments supplied by vendor shall have warranty of 18 months from the date of commissioning / 24 months from the date of supply whichever is earlier.

### ITEM BILL OF QUANTITIES

**Name of Work:**           **Detail Engineering, Supply, Erection, Testing & Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant (3661)**

**Tender No.:**               OC10000187/DJD

**Name of Bidder:**

| SI No     | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Quantity |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|
| <b>10</b> | <b>Design Part</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |
| 10.01     | Designing the chain conveyor system as per NRL's schematic diagram (including providing calculations for driving units) to suit for 24 station electronic carousel plant with Electronic weight checking & Valve / O-ring leak detection, suggestions and preparation submission of detailed construction/ fabrication drawings of different sections, layout etc as per system requirements. the total design and drawings must be done through CAD system and the drawings as well as designs must be approved by NRL/BPCL before commencement of job. The party has to submit both hard copy and soft copy of the design details and drawings. Final drawing with 5 ammonia print and original tracing with CD to be submitted by the party to NRL.<br>As built drawing to submitted in AutoCad as well as hard copy after completion of job.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LS   | 1        |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |
| <b>20</b> | <b>Supply Part</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |          |
| 20.01     | SUPPLY OF IRREVERSIBLE CHAIN CONVEYOR SYSTEM -14.2/19 KG Design, detailed engineering, manufacture, testing at manufacturers works, supply, inspection by Third Party complete chain conveyor system (straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) suitable for 14.2 Kg/19 Kg LPG cylinders including supply of chain (as per drawing attached) This includes cost of supply of complete chain conveyor system as stated above ,soap solution trays made of GI sheet metal of minimum thickness (2mm) along with the conveyor section , matching sections, Matching Plates, drive / idler sprockets, shafts, plummer block with bearings, tensioning weight, conveyor railing made of ISA 50x50x6 ,UHMWPE ANTI STATIC STRIP size 50x6 for the railing and size 40x10 at bottom of the chain, Tapered strip in bends with approved quality nyloc nut on each screw at 200 mm & 600-1000 mm intervals at railing & bottom of chain respectively. Speed of conveyor will be 8 to 22 M/Min for the main line and loops. Quoted rates includes providing jumpers U type made out of 25X3mm copper strip at all the joints of the conveyor for earthing .The soap solution tray should be easily removable from the conveyor sections without dismantling. | RM   | 130      |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |    |    |
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|       | <p>The cost also includes supply of the followings Items :</p> <p>(A)Conveyor vertical leg cum railing supports in single piece made of ISMC 75(Make JSW/SAIL/ESSAR/RINL or equivalent after prior approval ).(Height of bottom of conveyor upto 550 mm from FFL).Vertical leg cum railing supports shall be provided at 1.25 m intervals maximum.</p> <p>(B) Vertical support at bottom to be welded with Angle 65x65x6 laid longitudinally with suitable size of 6mm thick plate support for resting and bolting of conveyor legs.</p> <p>Standard section length - 2.5 m however make up section shall be supplied by the vendor as per site conditions.</p> <p>Painting as per specifications shall be done for the conveyor section in this item.</p> <p>Surface preparation: Blasting SA 2.5 Primer: One coat of zinc chromate primer @ 30 micron at factory before dispatch + One coat of primer (30 micron zn chromate) at site</p> <p>Finish Coat : 2 coats of synthetic enamel paint( 30 microns each ) shall be done at site. Tentative drawing of conveyor sections is enclosed. Final sectional drawing to be submitted for approval of NRL/BPCL Tentative drawing enclosed NRL/CS/1 to NRL/CS/13 however vendor to submit site specific section drawing for approval from Engineer in charge prior to fabrication.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |    |    |
| 20.02 | <p>SUPPLY OF REVERSIBLE CHAIN CONVEYOR SYSTEM -14.2/19 KG Design, detailed engineering, manufacture, testing at manufacturers works,supply, inspection by Third Party complete chain conveyor system (straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) suitable for 14.2 Kg/19 Kg LPG cylinders including supply of chain (as per drawing attached) This includes cost of supply of complete chain conveyor system as stated above ,soap solution trays made of GI sheet metal of minimum thickness (2 mm) along the conveyor section, matching sections, Matching Plates,drive / idler sprockets, shafts, plummer block with bearings, tensioning weight, conveyor railing made of ISA 50x50x6 ,UHMWPE ANTI STATIC STRIP size 50x6 for the railing and size 40x10 at bottom of the chain, Tapered strip in bends with approved quality nyloc nut on each screw at 200 mm &amp; 600-1000 mm intervals at railing &amp; bottom of chain respectively. Speed of conveyor will be 8 to 22 M/Min for the main line and loops. Quoted rates includes providing jumpers U type made out of 25X3mm copper strip at all the joints of the conveyor for earthing .The soap solution tray should be easily removable from the conveyor sections without dismantling.</p> <p>The cost also includes supply of the followings Items :</p> <p>(A)Conveyor vertical leg cum railing supports in single piece made of ISMC 75(Make JSW/SAIL/ESSAR/RINL or equivalent after prior approval ).(Height of bottom of conveyor upto 550 mm from FFL).Vertical leg cum railing supports shall be provided at 1.25 m intervals maximum.</p> <p>(B) Vertical support at bottom to be welded with Angle 65x65x6 laid longitudinally with suitable size of 6mm thick plate support for resting</p> | RM | 25 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |   |
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|       | <p>and bolting of conveyor legs. Standard section length - 2.5 m however make up section shall be supplied by the vendor as per site conditions. Painting as per specifications shall be done for the conveyor section in this item.</p> <p>Surface preparation : Blasting SA 2.5</p> <p>Primer : One coat of zinc chromate primer @ 30 micron at factory before dispatch + One coat of primer (30 micron zn chromate) at site</p> <p>Finish Coat : 2 coats of synthetic enamel paint( 30 microns each ) shall be done at site. Tentative drawing of conveyor sections is enclosed. Final sectional drawing to be submitted for approval of NRL/BPCL.</p> <p>Typical drawing enclosed however vendor to submit site specific section drawing for approval from Engineer in charge prior to fabrication.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |   |
| 20.03 | <p>Design,manufacturing, supplying, transportation to site complete drive unit along with suitable GEAR BOX (based on the RPM of the Drive unit) and the conveyor speed requirement as per the design. The Gear Box shall be inline Helical with a provision of coupling the output shaft directly to the conveyor sprocket (Make -NORD DRIVE SYSTEMS,Premium energy transmission or equivalent (after prior approval ).</p> <p>The rate of the drive unit shall be inclusive of supply of FLP &amp; WP motor (High Efficiency of IE3/equivalent standard as per IS:12615 suitable for gas group II A,B), gear box,flexible couplings,base frame,foundation bolts,MS protection coupling guards,chain guard,FLP push button and accessories,Drive Shaft, 14 Teeth Sprockets, UCP213 PillowBlock with Bearing (NTN, TOYO, TATA), Soap Trays, Counter Weights, TakeUp Arrangements etc. complete.</p> <p>The cost should be inclusive of supply of all the drive accessories like shaft, Couplings for the Gear Box, transmission chain, etc. and any other item necessary for commissioning the system. The item also includes supply of base plates, Supply of Motor cover, chain cover and coupling guard. Complete 3 HP drive for linear velocity 10-22 M/min (as per design)</p> | NO | 3 |
| 20.04 | <p>Design, manufacturing, supplying, transportation to site complete drive unit along with suitable GEAR BOX (based on the RPM of the Drive unit) and the conveyor speed requirement as per the design. The Gear Box shall be inline Helical with a provision of coupling the output shaft directly to the conveyor sprocket (Make -NORD DRIVE SYSTEMS, Premium energy transmission or equivalent (after prior approval ).</p> <p>The rate of the drive unit shall be inclusive of supply of FLP &amp; WP motor (High Efficiency of IE3/Equivalent standard as per IS:12615 suitable for gas group II A,B), gear box, flexible couplings, base frame, foundation bolts, MS protection coupling guards, chain guard, FLP push button and accessories, Drive Shaft, 14 Teeth Sprockets, UCP213 Pillow Block with Bearing (NTN, TOYO, TATA), Soap Trays, Counter Weights, Take Up Arrangements etc. complete.</p> <p>The cost should be inclusive of supply of all the drive accessories like</p>                                                                                                                                                                                                                                                                                      | NO | 7 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |     |   |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
|       | shaft, Couplings for the Gear Box, transmission chain, etc. and any other item necessary for commissioning the system. The item also includes supply of base plates, Supply of Motor cover, chain cover and coupling guard. Complete 5 HP drive for linear velocity 10-22 M/min as per design                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |   |
| 20.05 | Design, manufacturing, supplying, transportation to site complete drive unit along with suitable GEAR BOX (based on the RPM of the Drive unit) and the conveyor speed requirement as per the design. The Gear Box shall be inline Helical with a provision of coupling the output shaft directly to the conveyor sprocket (Make -NORD DRIVE SYSTEMS, Premium energy transmission or equivalent (after prior approval)). The rate of the drive unit shall be inclusive of supply of FLP & WP motor (High Efficiency of IE3/equivalent standard as per IS:12615 suitable for gas group II A,B), gear box, flexible couplings, base frame, foundation bolts, MS protection coupling guards, chain guard, FLP push button and accessories, Drive Shaft, 14 Teeth Sprockets, UCP213 Pillow Block with Bearing (NTN, TOYO, TATA), Soap Trays, Counter Weights, Take Up Arrangements etc. complete. The cost should be inclusive of supply of all the drive accessories like shaft, Couplings for the Gear Box, transmission chain, etc. and any other item necessary for commissioning the system. The item also includes supply of base plates, Supply of Motor cover, chain cover and coupling guard. Complete 7.5 HP drive for linear velocity 10-22 M/min as per design                                                                                                                                                                                                                                                                                                                                                                                                                                                | NO  | 2 |
| 20.06 | "Design, manufacture, supply, transportation to site, telescopic conveyors suitable for loading and unloading of 19 kg and 14.2 kg cylinders from and to trucks.Specifications:Fully inserted boom position - overall length : 9000 MMFully extended boom position - overall length : 14500 MMOverall width : 1260 MM approx.Chain and chain drive mechanism, boom drive mechanism inclusive of motors, gear boxes, Sprockets, conveyor frame, rail, shafts, bearings, hand rail etc. shall conform to the data sheets of the technical Specifications of this tender. The system shall include necessary push button stations with necessary stand for control of Telescopic conveyor system. ( Only cable termination at Motor/ Push button station will be done by Electrical contractor) .The telescopic conveyor shall also have chain and boom drive reverse and forward controls available at the operators seat. It should also include safety mechanisms as follows:FLP & WP limit switches at both extreme movement points of the boom to stop the drive motors automatically when boom reaches limits of extensions. Emergency switch in front of the boom to stop both drive motors in case of any obstructions.NOTE :The rate should be inclusive of supply of chain required for conveyor complete in all respect.Inspection by third party and supply of Telescopic conveyor complete with all accessories, Conveyor Chain, Pneumatic Controls, Reversible chain drive , drive units, FLP motor, limit switch / junction box, FLP glands for PB station, JB etc. as per relevant specifications and drawing. (The telescopic conveyor should be suitable for both loading and unloading operations of | SET | 4 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
|       | cylinders. Gear box with FLP & WP Motors of minimum 5HP for chain drive and minimum 3 HP for boom drive will be used). Painting as per specifications shall be done for the conveyor section in this item. Surface preparation : Blasting SA 2.5 Primer : One coat of zinc chromate primer @ 30 micron at factory before dispatch + One coat of primer (30 micron zn chromate) at site Finish Coat : 2 coats of synthetic enamel paint( 30 microns each ) shall be done at site Typical GA drawing reference NRL/TC/1 enclosed however vendor to submit site specific section drawing for approval from Engineer in charge prior to fabrication.                                                                                                             |     |   |
| 20.07 | Design, manufacture, testing at manufacturer's works, inspection by third party and supply of Inline Test-Bath with all accessories like the sensor at entry and single/twin arm stopper at exit, Drainage arrangement, Over flow check tube., Complete for a capacity of 1800 cylinders per hour GENERAL ARRANGEMENT DRAWING No NRL/TB/1. Contractor need to submit their drawing incorporating the details of drive unit (preferably helical type), pneumatic accessories, sensors etc for approval.                                                                                                                                                                                                                                                       | SET | 1 |
| 20.08 | Design, manufacture, testing at manufacturer's works, inspection by third party and supply of Cylinder Washing Unit with all accessories like the sensor at entry and twin arm stopper at exit, Drainage arrangement, Internal piping arrangement with Spray Nozzels, Filter made out of 1.6 x 1.6 SS wire mesh, complete System for a capacity of 1800 cylinders per hour. GENERAL ARRANGEMENT DRAWING NRL/WU/1 is given for reference only. Contractor need to submit their drawing & specification for approval. Scope also includes supply of SS tank of capacity 4 KL for storing water, necessary pipeline (heavy duty, GI) and fittings for hook up with pump, flame proof & weather proof pumps. System to be designed for minimum power consumption | SET | 1 |
| 20.09 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of Auto pneumatic pusher set at NRL LPG Bottling Plant, for 14.2 KGS and 19 Kgs LPG Cylinders. Supply of Auto pneumatic pusher set arrangement along with pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator etc. Tentative drawing NRL/PP/1 & NRL/PP/2 is attached for reference. Contractor to submit final drawing for approval. Note-Air valve point will be provided at the point of usage for further connection                                                                                                                                                               | NO  | 1 |
| 20.10 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of Automatic/semi-automatic converger/diverger arrangement at NRL LPG Bottling Plant, for 14.2 KGs and 19 Kgs LPG Cylinders. Supply of Automatic/semi-automatic converger arrangement as per Drawing reference NRL/CONV/1                                                                                                                                                                                                                                                                                                                                                                                                                    | NO  | 1 |
| 20.11 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of Single Arm Stopper or Gate Stopper at NRL LPG Bottling Plant, for 14.2 KGS and 19 Kgs LPG Cylinders. Supply of Single Arm Stopper or Gate Stopper along with pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator. Note-Air valve point will be provided at                                                                                                                                                                                                                                                                                                                         | NO  | 2 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |    |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
|       | the point of usage for further connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |    |
| 20.12 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of Twin Arm Stopper at NRL LPG Bottling Plant, for 14.2 KGS and 19 Kgs LPG Cylinders. Supply of Twin Arm Stopper along with pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator as per Drawing reference NRL/TAS/1. Note-Air valve point will be provided at the point of usage for further connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NO  | 10 |
| 20.13 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of chain conveyor units and online equipment at NRL LPG Bottling Plant, for 14.2 Kgs and 19 Kgs LPG Cylinders. Supply of Manual Diverter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | NO  | 2  |
| 20.14 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of capping unit at NRL LPG Bottling Plant, for 14.2 Kgs and 19 Kgs LPG Cylinders. Supply of capping unit along with pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator. Capacity-1800 Cylinders/hr. Note-Air valve point will be provided at the point of usage for further connection. Scope of supply includes- <ul style="list-style-type: none"> <li>• Online PLC based Safety cap auto tapping machine</li> <li>• Single Teflon head with 1800 cylinders/hr capacity</li> <li>• Flame proof enclosure</li> <li>• Pneumatic stoppers at the entry and exit</li> <li>• Timer controlled head movement</li> <li>• Cylinder centering arrangement</li> <li>• Capable of handling 14.2 &amp; 19 kg cylinder intermittently</li> <li>• Sensors and related accessories</li> </ul> Final drawing incorporating all details to be submitted to NRL/BPCL before procurement. | SET | 1  |
| 20.15 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of tilting/dip type test bath suitable for 35.0 kg & 47.5 kg cylinders with a capability of testing one cylinder at a time. This should include supply of an ss water tank of suitable capacity for handling all the types of cylinders mentioned above along with supply of pneumatic control circuitry including all components, pneumatic cylinders, batch stopper, heavy duty bearings etc and other misc. Components required for commissioning of the same. Loading and unloading of cylinders should be automatic and test bath should be along with the conveyor section. Detailed drawing along with details of components to be submitted to NRL for approval before commencement of job.                                                                                                                                                                                                                              | SET | 1  |
| 20.16 | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of Auto purging system at NRL LPG Bottling Plant, for 14.2 Kgs and 19 Kgs LPG Cylinders. Supply of Auto purging system along with auto centering & lowering unit for the gun, solenoid valves, pressure switches, sensor, stoppers, vacuum pump etc for proper functioning of auto purging system all necessary equipments & accessories for complete functioning. Specification attached.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SET | 1  |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |    |
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|       | Capacity-700 cylinder/hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |     |    |
| 20.17 | Supply of spring balance CVT with stand post along with necessary tubing, flp solenoid valve. Note-Air valve point will be provided at the point of usage for further connection. Make-Kosan/PAM/Equivalent with prior approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SET | 2  |
| 20.18 | <p>SUPPLY OF IRREVERSIBLE CHAIN CONVEYOR SYSTEM -STRAIGHT SECTION: 35 KG/47.5 KG</p> <p>Design, detailed engineering, manufacture, testing at manufacturers works,supply, inspection by Third Party complete chain conveyor system ((straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) suitable for 35 KG/47.5 KG LPG cylinders including supply of chain (as per drawing attached) This includes cost of supply of complete chain conveyor system as stated above, soap solution trays, as applicable, made of GI sheet metal of minimum thickness (2mm) , matching sections, Matching Plates, conveyor railing made of ISA 50x50x6 (2 nos.) ,UHMWPE ANTI STATIC STRIP size 50x6 for the railing and size 40x10 at bottom of the chain, Tapered strip in bends with approved quality nyloc nut on each screw at 200 mm &amp; 600-1000 mm intervals at railing &amp; bottom of chain respectively. Speed of conveyor will be 8 to 12 M/Min for the main line and loops. Quoted rates includes providing copper jumpers U type made out of 25X3mm copper strip at all the joints of the conveyor for earthing .The soap solution tray should be easily removable from the conveyor sections without dismantling. The cost also includes supply of the followings Items : (A)Conveyor vertical leg cum railing supports in single piece made of ISMC 75(Make JSW/SAIL/ESSAR/RINL or equivalent after prior approval).(Height of bottom of conveyor upto 550 mm from FFL).Vertical leg cum railing supports shall be provided at 1.25 m intervals maximum. (B) Vertical support at bottom to be welded with Angle 65x65x6 laid longitudinally with suitable size of 6mm thick plate support for resting and bolting of conveyor legs. Standard section length - 2.5 m however make up section shall be supplied by the vendor as per site conditions.</p> <p>Painting as per specifications shall be done for the conveyor section in this item. Surface preparation : Blasting SA 2.5<br/>Primer : One coat of zinc chromate primer @ 30 micron at factory before dispatch + One coat of primer (30 micron zn chromate) at site<br/>Finish Coat : 2 coats of synthetic enamel paint( 30 microns each ) shall be done at site.</p> <p>Typical drawing enclosed however vendor to submit site specific section drawing for approval from NRL/BPCL prior to fabrication.</p> | RM  | 35 |
| 20.19 | SUPPLY OF REVERSIBLE CHAIN CONVEYOR SYSTEM -STRAIGHT SECTION: 35 KG/47.5 KG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RM  | 20 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |   |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
|       | <p>Design, detailed engineering, manufacture, testing at manufacturers works, supply, inspection by Third Party complete chain conveyor system (straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) suitable for 35 KG/47.5 KG LPG cylinders including supply of chain (as per drawing attached) This includes cost of supply of complete chain conveyor system as stated above, soap solution trays, as applicable, made of GI sheet metal of minimum thickness (2mm) , matching sections, Matching Plates, conveyor railing made of ISA 50x50x6 (2 nos.) ,UHMWPE ANTI STATIC STRIP size 50x6 for the railing and size 40x10 at bottom of the chain, Tapered strip in bends with approved quality nyloc nut on each screw at 200 mm &amp; 600-1000 mm intervals at railing &amp; bottom of chain respectively. Speed of conveyor will be 8 to 22 M/Min for the main line and loops. Quoted rates includes providing copper jumpers U type made out of 25X3mm copper strip at all the joints of the conveyor for earthing .The soap solution tray should be easily removable from the conveyor sections without dismantling. The cost also includes supply of the followings Items : (A)Conveyor vertical leg cum railing supports in single piece made of ISMC 75(Make JSW/SAIL/ESSAR/RINL or equivalent after prior approval).(Height of bottom of conveyor upto 550 mm from FFL).Vertical leg cum railing supports shall be provided at 1.25 m intervals maximum. (B) Vertical support at bottom to be welded with Angle 65x65x6 laid longitudinally with suitable size of 6mm thick plate support for resting and bolting of conveyor legs. Standard section length - 2.5 m however make up section shall be supplied by the vendor as per site conditions.</p> <p>Painting as per specifications shall be done for the conveyor section in this item.<br/> Surface preparation : Blasting SA 2.5<br/> Primer : One coat of zinc chromate primer @ 30 micron at factory before dispatch + One coat of primer (30 micron zn chromate) at site<br/> Finish Coat : 2 coats of synthetic enamel paint( 30 microns each ) shall be done at site.</p> <p>Typical drawing enclosed however vendor to submit site specific section drawing for approval from NRL/BPCL prior to fabrication.</p> |     |   |
| 20.20 | <p>Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of single point evacuation set including pump at NRL LPG Bottling Plant for 14.2 Kgs and 19 Kgs LPG Cylinders. Supply of single point evacuation unit along with all accessories for successful working of the equipment. All the pipeline &amp; fittings for LPG will be of rating 300 and for air line of rating 150. Specification attached.<br/> Note-Air valve point will be provided at the point of usage for further connection</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SET | 1 |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |     |
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| 20.21     | Design, detailed engineering, manufacture, testing at manufacturers works, inspection by Third Party and supply of manual filling machines set (pre filling & main filling) at NRL LPG Bottling Plant for 35 Kgs & 47.5 Kgs LPG Cylinders. Supply of manual filling machines along with all accessories like filling guns, adaptor, LPG hoses, stoppers, pneumatic fittings for successful working of the equipment. Specification attached.                                                                                                                                                                                                                                                                                                                                                                                                                     | SET | 4   |
| 20.22     | Designing and Supplying of barrel roller conveyors suitable for 35/47.5 Kgs cylinder including any bends/sections, necessary alignment, side tracks, supports, railing, openable type entry exit, end railing, locks at end of each roller to avoid slippage from track, complete as per scope of work detailed in the tender and as directed by the engineer- in- charge. The job includes cost towards third party inspection and its allied services (MOC : Aluminium roller with ball bearings)                                                                                                                                                                                                                                                                                                                                                              | RM  | 10  |
| 20.23     | Designing and Supplying of barrel roller conveyors suitable for 14.2/19 Kgs cylinder including any bends/ sections, necessary alignment, side tracks, supports, railing, openable type entry exit, end railing, locks at end of each roller to avoid slippage from track, complete as per scope of work detailed in the tender and as directed by the engineer- in- charge. The job includes cost towards third party inspection and its allied services (MOC : Aluminium roller with ball bearings)                                                                                                                                                                                                                                                                                                                                                             | RM  | 2   |
| 20.24     | Supply of complete set of electronic check scale for weighment of 35/47.5 Kg LPG filled cylinder along with the display unit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SET | 1   |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |     |
| <b>30</b> | <b>Installation &amp; Commissioning Part</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |     |
| 30.01     | Installation, testing and Commissioning of Irreversible Chain conveyor system. Scope includes installation of complete conveyor sections (straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) including installation of chain, leg cum railing support, railings, drive / idler sprockets, shafts, plummer block with bearings, wear plates (polyethylene), soap solution trays, packing gaskets, fasteners, earthing strip, jumper, tensioning weights etc., duly complete in all respects . Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval) 12 mm for straight conveyor & 16 mm for drive sections/bends, grouting etc. | RM  | 240 |
| 30.02     | Installation, testing and Commissioning of reversible Chain conveyor system. Scope includes installation of complete conveyor sections ( straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) including installation of chain, leg cum railing support, railings, drive / idler sprockets, shafts, plummer block with bearings, wear plates (polyethylene), soap solution trays, packing gaskets, fasteners, earthing strip, jumper, tensioning weights etc., duly complete in all respects. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval) 12 mm for straight conveyor & 16 mm for drive sections/bends, grouting etc.   | RM  | 25  |

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| 30.03 | Installation, testing and Commissioning of Auto pneumatic pusher arrangement , including providing necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO | 1  |
| 30.04 | Installation, testing and Commissioning of Single Arm Stopper or Gate Stopper- pneumatically operated including providing necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NO | 2  |
| 30.05 | Installation, testing and Commissioning of Twin Arm Stopper - pneumatically operated ( as per drawing) including fixing necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | NO | 10 |
| 30.06 | Installation and Commissioning of manual diverter in complete for proper functioning of system. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO | 2  |
| 30.07 | Assembling, erection, installation, testing, painting & commissioning etc. complete of drive unit along with GEAR BOX-3 HP The rate of the drive unit shall be inclusive of installation of all accesories,FLP & WP motor, gear box,flexible couplings,base frame,foundation bolts,MS protection coupling guards,chain guard,FLP push button and accessories, etc. complete. FLP push button station shall be erected by supplying and erecting steel support at suitable operating height (minimum 1 m) using ISMC 100.The cost should be inclusive of installation of all the drive accessories like shaft,Couplings, bearings etc for the Gear Box,transmission chain, etc. and any other item necessary for commissioning the system.Cost should also include civil works for fixing the drive unit in the existing foundation by supply and fixing of foundation bolts,base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge .The item also includes fixing of Motor cover, chain cover and coupling guard.The work includes alignment of Drive sprockets, Drive shaft, Idlers sprockets, Pillow block with bearing and Counter weights | NO | 6  |
| 30.08 | Assembling, erection, installation, testing, painting & commissioning etc. complete of drive unit along with GEAR BOX-5 HP<br><br>The rate of the drive unit shall be inclusive of installation of all accesories,FLP & WP motor, gear box,flexible couplings,base frame,foundation bolts,MS protection coupling guards,chain guard,FLP push button and accessories, etc. complete. FLP push button station shall be erected by supplying and erecting steel support at suitable operating height (minimum 1 m) using ISMC 100.<br><br>The cost should be inclusive of installation of all the drive accessories like shaft,Couplings, bearings etc for the Gear Box,transmission chain, etc. and any other item necessary for commissioning the system.                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO | 10 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |   |
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|       | <p>Cost should also include civil works for fixing the drive unit in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge .</p> <p>The item also includes fixing of Motor cover, chain cover and coupling guard.</p> <p>The work includes alignment of Drive sprockets, Drive shaft, Idlers sprockets, Pillow block with bearing and Counter weights</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |   |
| 30.09 | <p>Assembling, erection, installation, testing, painting &amp; commissioning etc. complete of drive unit along with GEAR BOX-7.5 HP The rate of the drive unit shall be inclusive of installation of all accessories, FLP &amp; WP motor, gear box, flexible couplings, base frame, foundation bolts, MS protection coupling guards, chain guard, FLP push button and accessories, etc. complete. FLP push button station shall be erected by supplying and erecting steel support at suitable operating height (minimum 1 m) using ISMC 100. The cost should be inclusive of installation of all the drive accessories like shaft, Couplings, bearings etc for the Gear Box, transmission chain, etc. and any other item necessary for commissioning the system. Cost should also include civil works for fixing the drive unit in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge . The item also includes fixing of Motor cover, chain cover and coupling guard. The work includes alignment of Drive sprockets, Drive shaft, Idlers sprockets, Pillow block with bearing and Counter weights</p> | NO  | 3 |
| 30.10 | <p>Installation , testing and Commissioning of Telescopic conveyor complete with all accessories, Conveyor Chain, Pneumatic Controls, Reversible chain drive, drive units, FLP motor, limit switch / junction box, FLP glands for PB station, JB etc. as per relevant specifications and drawing. (The telescopic conveyor should be suitable for both loading and unloading operations of cylinders. Gear box with suitable FLP Motors for chain drive and boom drive will be used). Cost should also include civil works for fixing the drive unit in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge .</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SET | 4 |
| 30.11 | <p>Installation, testing and Commissioning of SQC Unit complete with all accessories like intrinsically safe/ FLP Check Scale, Compact Valve Tester, Pneumatic controls etc. Scope also includes supply &amp; fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SET | 1 |
| 30.12 | <p>Installation, testing and Commissioning of Inline Test-Bath with all accessories like the sensor at entry and twin arm stopper at exit, Drainage arrangement, Over flow check tube for complete functioning of system. Scope also includes supply &amp; fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | SET | 1 |
| 30.13 | <p>Installation and Commissioning of Cylinder Washing Unit with all accessories like the water storage tank, pump including foundation, piping from tank to washing unit, sensor at entry and twin</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SET | 1 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |     |   |
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|       | arm stopper at exit, Drainage arrangement, Internal piping arrangement with Spray Nozzels, Filter made out of 1.6 x 1.6 SS wire mesh etc for complete functioning of the system. Cost should also include civil works for fixing the drive unit in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |   |
| 30.14 | Installation, testing and Commissioning of New 24 station Electronic Carousal: Job includes shifting of carousal from owner's storage to site, installation and commissioning of 24 station electronic carousel under direction of manufacturer's supervision as per the installation manual provided by the manufacturer. The job also includes installation as per the manufacturer installation manual of post filling check scale, integrated weight correction unit, Valve Leak Detector, Bung Leak Detector, O- Ring Leak Detector, Tare Weight Punching System, vision unit, Conveyor System attached with the carousel ( supplied by the conveyor manufacturer), all complete (full set of electronic carousel along with all accessories). Manpower to be provided as per requirement of Manufacturer and as per the instruction of engineer-in-charge. All necessary tools, tackles to be provided by the vendor under this item only. installation of Conveyor System attached with the carousel (supplied by the conveyor manufacturer) shall be paid separately as per BOQ. carousel filling system includes carousel track, frame, drive unit, SQC checkscale and accessories etc. Rate to be inclusive of providing necessary pneumatic connections to the above mentioned equipments from the air point available in vicinity of this equipment. The crew deployed should be inclusive of an Electrician, a Fitter with sound knowledge of Pneumatics, and Semi-skilled/skilled Helpers. Cost should also include civil works for fixing the drive unit/equipments in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge . | SET | 1 |
| 30.15 | Transportation, installation and commissioning of VCM (Valve Changing Machine) in filling shed as per direction of engineer-in-charge including fixing necessary pneumatic connections to the valve changing machine from the air point available in vicinity of this equipment. Job to be carried out as per instructions of manufacturer. The crew deployed should be inclusive of an Electrician, a Fitter with sound knowledge of Pneumatics, and Semi-skilled Helpers. Cost should also include civil works for fixing the equipments in the existing foundation by supply and fixing of foundation bolts, base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SET | 1 |
| 30.16 | Installation, testing and Commissioning of Online Auto Heat Sealing Unit by providing required labour force to work as per the instruction of manufacturer, including providing necessary pneumatic & electric connections to the equipment from the air & power point available in vicinity of this equipment. Scope also includes supply & fixing of fasteners (Multi/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SET | 1 |
| 30.17 | Installation, testing & commissioning of barrel roller conveyors suitable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | M   | 2 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |   |
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|       | for 14.2/19 Kgs including erection of all accesories, bends/sections,necessary alignment,side tracks,supports,railing,openable type entry exit,end railing,locks at end of each roller to avoid slippage from track,complete as per scope of work detailed in the tender and as directed by the engineer- in- charge. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                     |     |   |
| 30.18 | Installation & commissioning of Auto purging system-Installation & commissioning of Auto purging system along with auto centering & lowering unit for the gun, solenoid valves, pressure switches, sensor, stoppers, vacuum pump, necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment. etc for proper functioning of auto purging system all necessary equipments & asscerories for complete functioning. Cost should also include civil works for fixing the equipments in the existing foundation by supply and fixing of foundation bolts,base frame and grouting the same with GP2 cement for the completion of the entire job as directed by the engineer-in-charge . Approved make-PAM system/KOSAN/Equivalent with prior approval | SET | 1 |
| 30.19 | Installation, testing & commissioning of CVT along with necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc. Approved make-PAM system/KOSAN/Equivalent with prior approval                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SET | 2 |
| 30.20 | Installation, testing and Commissioning of auto capping unit with all accessories like Pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator, necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment for complete functioning of complete system. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                               | SET | 1 |
| 30.21 | Installation, testing and Commissioning of single point evacuation unit set with all accessories like Pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator,stoppers necessary pneumatic connections to the equipment from the air point available in vicinity of this equipment for complete functioning of complete system. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc. Approved make-PAM system/KOSAN/Equivalent with prior approval                                                                                                                                                                                                                                          | SET | 1 |
| 30.22 | Installation & commissioning of manual filling machines (pre filling & main filling) for 35/47.5 Kg cylinders. Scope also includes cinstallation of complete Filling machines with load cell, filling gun with filling hose, Installation of complete filling machine set with minor civil modification, Necessary pneumatic connection including supply & installation of Pneumatic valves, sensors, tubing, ferrules, reinforced rubber hose (150 PSI rating), air filter regulator etc for proper functioning of pneumatic stopper and pusher, providing necessary stand/structure support for filling machine-Note- Air valve point will be provided at the point of                                                                                                                         | SET | 4 |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |     |
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|           | usage for further connection, LPG pipeline connections will be done by NRL. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc. Approved make-PAM system/KOSAN/Equivalent with prior approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |     |
| 30.23     | Installation and Commissioning of Irreversible Chain conveyor system for 35/47.5 Kg. Scope includes installation of complete conveyor sections (straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) including installation of chain, leg cum railing support, railings, drive / idler sprockets, shafts, plummer block with bearings, wear plates (polyethylene), soap solution trays, packing gaskets, fasteners, earthing strip, jumper, tensioning weights etc., duly complete in all respects . Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc. | RM  | 35  |
| 30.24     | Installation and Commissioning of reversible Chain conveyor system for 35/47.5 Kg. Scope includes installation of complete conveyor sections ( straight section, 90/120/135/150 degree bend, Y type section at Junction, Tail end, matching section, common tail end, end drive, 2X2 channel middle combination drive, centrally located drive, 4X2 channel middle combination drive section etc) including installation of chain, leg cum railing support, railings, drive / idler sprockets, shafts, plummer block with bearings, wear plates (polyethylene), soap solution trays, packing gaskets, fasteners, earthing strip, jumper, tensioning weights etc., duly complete in all respects                                                                                                           | RM  | 20  |
| 30.25     | Installation & commissioning of test bath at NRL LPG Bottling Plant for 35 Kgs & 47.5 Kgs LPG Cylinders including foundation/pit as required and installation of all accessories like stoppers, pneumatic fittings as required for successful working of the equipment. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                            | SET | 1   |
| 30.26     | Installation & commissioning of barrel roller conveyors suitable for 35/47.5 Kgs including erection of all accessories, bends/sections,necessary alignment,side tracks,supports,railing,openable type entry exit,end railing,locks at end of each roller to avoid slippage from track,complete as per scope of work detailed in the tender and as directed by the engineer- in- charge. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                            | RM  | 10  |
| 30.27     | Installation, testing & commissioning of electronic check scale for weightment of 35/47.5 Kg cylinder along with the display unit. Scope also includes supply & fixing of fasteners (Hulti/Equivalent with prior approval), grouting etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SET | 1   |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |     |
| <b>40</b> | <b>Supply &amp; Erection Part</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |     |
| 40.01     | Design , providing and fixing of screen wall at height as per details given made of C.G.I sheets (new) (without holes),supported by adequate no. channels /pipe, angle iron runners embedded in ground suitably supported by a system of guy ropes and as directed by site in charge and it shall be strong enough to bear wind pressure ,all materials for screen                                                                                                                                                                                                                                                                                                                                                                                                                                        | M2  | 400 |

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|           | wall to be supplied by contractor which will be their property after the completion of job. Removal of all material from site and cleaning the place after completion of facility is also included in above scope. Maximum Height-6M                                                |    |     |
| <b>50</b> | <b>Dismantling Part</b>                                                                                                                                                                                                                                                             |    |     |
| 50.01     | Dismantling of chain conveyor system along with dismantling of inline stoppers, pushers etc. including shifting, stacking the same inside the premises of LPG Plant. Both reversible and irreversible.                                                                              | M  | 225 |
| 50.02     | Dismantling of Drive units including electrical disconnection of cables including shifting, stacking the same inside the premises of LPG Plant and marking motor ratings and drive unit details, shifting the same as per direction of site engineer. Drives of capacity: 1HP-7.5HP | NO | 15  |
| 50.03     | <b>RCC</b> Dismantling of reinforced cement concrete columns, beams, lintels, walls, floors etc including cutting and stacking of steel bars and disposal of unserviceable materials inside premises as instructed by EIC.                                                          | M3 | 2   |
| 50.04     | <b>PCC</b> Dismantling of plain cement concrete of any grade including disposal of materials inside premise as instructed by EIC.                                                                                                                                                   | M3 | 2   |
| 50.05     | Dismantling of mastic flooring including disposal of materials inside premise as instructed by EIC.                                                                                                                                                                                 | M2 | 5   |
| 50.06     | Re erection of dismantled chain conveyor system along with installation of chain, sprocket, conveyor section etc.                                                                                                                                                                   | M  | 6   |
| 50.07     | Dismantling of 12 station carousel, washing unit, test bath, hot air sealing machine, portable HASM, SQC unit etc including shifting, stacking the same inside the premises of LPG Plant.                                                                                           | LS | 1   |

**(Please refer to attached files for drawings (wherever applicable), detailed “TECHNICAL SPECIFICATION” etc.)**

CLAUSES RELATED TO ARBITRATION SHALL BE AS PER THE AMENDMENT BELOW WHEREVER THE TERM GCC APPEARS:

**110.0 ARBITRATION:**

- a) Any dispute or difference of any nature whatsoever, any claim, cross-claim, counter-claim or set off of the COMPANY against the Contractor or regarding any right, liability, act, omission on account of any of the parties hereto arising out of or in relation to his agreement shall be referred to the sole Arbitration of the Managing Director of the COMPANY or of some officer of the COMPANY who may be nominated by the Managing Director. The Contractor will not be entitled to raise any objection to any such arbitrator on the ground that the arbitrator is an Officer of the COMPANY or that he has dealt with the matters to which the contract relates or that in the course of his duties as an Officer of the COMPANY he had expressed views on all or any other matters in dispute or difference. In the event of the arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, the Managing Director as aforesaid at the time of such transfer, vacation of office or inability to act may in the discretion of the Managing Director designate another person to act as arbitrator in accordance with the terms of the agreement to the end and intent that the original Arbitrator shall be entitled to continue the arbitration proceedings notwithstanding his transfer or vacation or office as an Officer of the COMPANY if the Managing Director does not designate another person to act as arbitrator on such transfer, vacation of Office or inability of original arbitrator. Such persons shall be entitled to proceed with the reference from the point at which it was left by his predecessor. It is also a term of this contract that no person other than the Managing Director or a person nominated by such Managing Director of the COMPANY as aforesaid shall act as arbitrator, hereunder. The award of the arbitrator so appointed shall be final conclusive and binding on all parties to the agreement subject to the provisions of the Arbitration Act, 1940 or any statutory modification or re-enactment thereof any the rules made thereunder for the time being in force shall apply to the arbitration proceedings under this clause.
- b) The award shall be made in writing and published by the Arbitrator within two years after entering upon the reference or within such extended time not exceeding further twelve months as to sole Arbitrator shall by a writing under his own hands appoint. The parties hereto shall be deemed to have irrevocably given their consent to the Arbitrator to make an publish the award within the period referred to hereinabove and shall not be entitled to raise any objection or protest thereto under any circumstances whatsoever.
- c) The arbitrator shall have power to order and direct either of the parties to abide by, observe and perform all such directions as the arbitrator may think fit having regard to the matters in difference i.e. dispute before him. The arbitrator shall have all summary powers and may take such evidence oral an / or documentary, as the arbitrator in his absolute discretion thinks fit and shall be entitled to exercise all powers under the Arbitration Act, 1940 including admission of any affidavit as evidence concerning the matters in difference i.e. dispute before him.
- d) The parties against whom the arbitration proceedings have been initiated, that is to say, the Respondents in the proceedings, shall be entitled to prefer a cross-claim, counter-claim or set off before the Arbitrator in respect of any matter an issue arising out of or in relation to the Agreement without seeking a formal reference of arbitration to the Managing Director for such counter-claim, cross or set off and the Arbitrator shall be entitled to consider an deal with the

same as if the matters arising there from has been referred to him originally and deemed to form part of the reference made by the Managing Director.

- e) The arbitrator shall be at liberty to appoint, if necessary any accountant or engineering or other technical person to assist him and to act by the opinion so taken.
  - f) The arbitrator shall have power to make one or more awards whether interim or otherwise in respect of the dispute and difference and in particular will be entitled to make separate awards in respect of claims or cross-claims of the parties.
  - g) The arbitrator shall be entitled to direct any one of the parties to pay the costs of the other party in such manner and to such extent as the arbitrator may in his discretion determine and shall also be entitled to require one or both the parties to deposit funds in such proportion to meet the arbitrators expenses whenever called upon to do so.
  - h) The parties hereby agree that the courts in the town of Golaghat alone shall have jurisdiction to entertain any application or other proceedings in respect of anything arising under this agreement and any award or awards made by the Sole Arbitrator hereunder shall be filed in the concerned courts in the town of Golaghat only.
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[For Micro and Small Enterprise (MSE) for passing benefit to MSE as per NIT]

**FORMAT FOR 'INDEMNITY BOND'**  
(To be submitted in **Rs. 100 Stamp Paper**)

To,

General Manager (Commercial & Legal)  
Numaligarh Refinery Limited,  
Commercial Dept, Pankagant,  
PO- NR Project, Dist – Golaghat.  
PIN-785699, Assam.

We, M/s \_\_\_\_\_ having registered office at \_\_\_\_\_;  
hereby declare that we shall offer and supply the entire tender quantity against the  
Tender No. OC10000187/DJD for 'Detail Engineering, Supply, Erection, Testing &  
Commissioning of Chain Conveyor System for 24 station e-carousal of LPG bottling plant  
(3661) ' from our plant/ factory situated at \_\_\_\_\_, if  
awarded to us; which is having MSE certification.

Thanking You,

Yours faithfully,

Signature :

Full Name :

Designation :

Date :

Company Seal:

**(To be submitted on bidder's letterhead)**

**UNDERTAKING**

Date: \_\_\_\_\_

To,  
**General Manager (Commercial & Legal),**  
Numaligarh Refinery Limited,  
Pankagrath, PO: Numaligarh Refinery Project,  
Dist-Golaghat (Assam), India  
PIN-785699  
Fax No.: 03776-265514 / Phone: 03776-265477  
E-mail: djd@nrl.co.in

**Sub: Declaration for not being under liquidation, court receivership or similar proceedings.**

**Ref: (Tender No: OC10000187/DJD)**

Dear Sir,  
We herewith declare that we are not under liquidation, court receivership or similar proceedings.

\_\_\_\_\_  
**(Authorized Signatory)**

Name & Designation:

Company Seal:

Date:

Place:

NUMALIGARH REFINERY LIMITED  
General Purchase Conditions (Indigenous)

Definition :

1. 'NRL' means 'Numaligarh Refinery Limited.'

2. 'Vendor' means a Person or Firm or Company, to whom the order is addressed, for supply of goods and/or services.

3. Banker : Unless otherwise specified, NRL's banker at Numaligarh shall be : State Bank of India, NRL Complex, P.O. NR Project, Pin : 785699, Dist. Golaghat, Assam. Bank Code : 5377.

1. Price Basis Prices are to be quoted on FOT NRL Site, Numaligarh basis (or, FOT NRL Guwahati/New Delhi/Calcutta basis, as the case may be) showing break-up of taxes, duties, packing & forwarding, freight and transit insurance charges, (all in % age).

2. Firm Price Quoted prices shall remain firm and fixed till complete execution of the order.

3. Payment Term Unless otherwise specified/agreed, the payment term shall be "100% within 30 days of receipt and acceptance of goods."

4. Weights & Measurements

All weights and measurements recorded by NRL on receipt of materials shall be treated as final and binding.

5. Qty. Tolerance

For Steel Items, FF0.5% qty. tolerance for weigh bridge scale variation or, std. rolling tolerance (as applicable) for sectional weight measurements shall be permissible.

6. Transportation

Unless otherwise agreed upon, transportation of goods upto the specified destination shall be in vendor's scope.

7. Despatch

Unless otherwise specified, all LR/RR etc. must be in the name of Numaligarh Refinery Limited and not 'Self'. Any demurrage or wharfage paid by NRL to the carriers due to consignments being booked as 'Self' will be recovered from the vendor. No consignment shall be booked on 'Said to Contain' basis. If so, it will be at vendor's own responsibility and risk.

8. Packing, Marking Shipping & Documentation

All consignments must be securely and appropriately packed and should conform to Standard Material Transport Regulations. The vendor will be held liable for any damages to the goods due to insufficient or defective packing as well as for corrosion due to insufficient protection.

Each package shall be clearly marked with indelible paint with the Purchase Order No., From (Name & Add.), To (Name & Add.), Destination, Item Net & Gross Weight, Case No. (Sl. No. of Total Cases) & Dimensions, and shall contain copies of despatch documents and packing list.

Details given in the "Packing, Marking, Shipping and Documentation Specification for Indigenous Materials" – wherever enclosed with a Purchase Order, shall be strictly followed.

9. Test Certificate

Test certificate of representative samples conforming to PO specifications from the manufacturer/Govt. approved laboratory/NRL nominated agency must be furnished alongwith supplies.

In case of 3rd Party Inspection, the Inspection Reports must accompany all despatch documents as well as supplies.

#### 10. Guarantee

Vendor shall guarantee NRL against any and all defects in design, workmanship of material and performance for a period of 12 months from the date of commissioning/installation or 24 months from the date of last despatch, whichever expires first. Should any defects develop during the guarantee period, it should be remedied promptly free of cost by the vendor and all expenses for transportation of goods necessitated for such repairs or replacement shall be borne by the vendor. The guarantee period for such repaired/replaced goods shall again be 12 months from the date of commissioning/installation.

#### 11. Insurance Charges

Transit insurance shall be in NRL's scope only when specifically agreed upon. In such cases, vendor shall intimate despatch details and value of goods in advance per fax for transit insurance coverage.

#### 12. Bank Charges

Unless otherwise specified, in case of payment through bank, respective bank charges shall be to respective account.

#### 13. Offer Validity

The vendor's offer shall be valid for acceptance for a period of 90 days from the final due date of the enquiry.

#### 14. Taxes & Duties

In case of applicability of Excise Duty (ED), relevant ED paid challan-cum-invoice must accompany supplies. For claiming Sales Tax, particulars of Sales Tax registration certificate shall be furnished alongwith invoices.

Statutory variation in taxes & duties within the contractual delivery period shall be borne by NRL.

However, in case of delay on a/c of vendor, any new or additional taxes & duties imposed after the contractual delivery date shall be borne by the vendor.

NRL's CST Regd. No. : GAU(C)/C-2705. PAN No. : AAA CN 6984B

Excise Regd. No. : 1/CH-27/GLT(060202)/94; ECC : 060204001P; Excise Range : Golaghat – 1 (Assam); Division : Jorhat (Assam); Collectorate : Shillong (Meghalaya).

#### 15. Delivery Period & Delayed Delivery

The delivery period quoted/agreed shall be strictly followed. Failing supplies in time, NRL reserves the right to cancel the order and take alternative procurement action solely at the risk and cost of the vendor.

In case of delay in execution of the order, NRL may at its option, recover from the vendor price reduction of 0.5% of the value of delayed goods per week of delay or part thereof subject to a maximum of 5% of the total order value of goods.

#### 16. Repeat Order

Repeat Order shall be acceptable to the vendor within 6 months from the date of the Basic Order at the same prices, terms & conditions as that in the Basic Order.

#### 17. Part Order

Part Order shall be acceptable to the vendor. However, the quantity mentioned in the enquiry documents for each item shall be ordered on one vendor. All applicable lumpsum charges, if any, shall be pro-rata on value basis.

#### 18. Changes in Terms & Conditions

NRL reserves the right to make changes at any time in quantities of items ordered or in specification and drawings. If such changes cause an increase or decrease in the amount due or in the delivery period, an equitable adjustment shall be made. Any claim for adjustment under this provision must be assessed within 10 days from the date when the changes are ordered.

#### 19. Right of Rejection

NRL reserves the unfettered right to reject any or all offers without assigning any reasons thereof.

#### 20. Arbitration

Any dispute whatsoever in any way arising out of or relating to a Purchase Order shall be referred to arbitration of the Chief Executive of Numaligarh Refinery Limited or, to the sole arbitration of some person nominated by him. There shall be no objection if the arbitrator so appointed happens to be an employee of NRL. The award of the arbitrator shall be final, conclusive and binding on all parties.

#### 21. Jurisdiction

Any dispute relating to the purchase of goods between NRL and vendor shall be subject to the jurisdiction of a Court of Law situated in the State of Assam.

#### 22. Acceptance of Order

In the event of order being placed, the vendor shall acknowledge receipt and acceptance in toto to the Purchase Order by signing and returning the duplicate copy within 10 days from the date of the order, failing which, the Purchase Order shall be deemed to have been accepted by the vendor in toto.

#### 23. Distribution of Documents

Invoices and other original despatch documents in case of direct payment and advance copies of despatch documents in case of thro' Bank payments, shall be sent to the Finance, Commercial & Materials Deptt. of NRL individually.

#### 24. Conflict among other Terms and Conditions

In case of conflict between these General Terms & Conditions and any other special or typed conditions agreed to for a particular Purchase Order, the latter shall prevail to the extent applicable.

#### 25. Non Assignment

The Purchase Order shall not be assigned by the vendor to any other party without prior written permission from NRL.

#### 26. Control Regulations

Vendor shall arrange for supply and despatch in strict conformity with the control regulations applicable and after obtaining permits, if any, under the regulations in force from time to time.

#### 27. Govt. Policy

The existing policy of the Government of India with regard to Purchase Preference to Public Sector Enterprises shall be applicable.

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PROFORMA OF BANK GUARANTEE FOR INDIGENOUS PURCHASE  
(PERFORMANCE)

This deed of Guarantee made this .....day of ..... by .....(Name of the bank) Company registered under ..... and having its registered office at ..... and wherever the context so requires includes its successors and assigns (hereinafter called "The Surety") for the favour of M/s Numaligarh Refinery Limited, a company under Public Sector, registered under Indian Companies Act of 1956 having its registered office at 122A, GS Road, Christian Basti, Guwahati-781005 wherever the context so requires includes its successors and assigns (hereinafter called as "The Company").

WHEREAS

1. The Company has placed an Order No. .... Dated ..... (hereinafter referred to as "the order") with M/s ..... a company registered under Indian Companies Act 1956 having its registered office at ..... and whereas the context so requires includes its successors and assigns (hereinafter called or referred to as "the Supplier").

2. Under the terms of the order, the Supplier is required to furnish the Company at his own cost a Bank Guarantee for an amount of Rs. ...., being the amount equivalent to ... .. percentage of the total value of the order for fulfilling the contract.

3. The Surety at the request of the Suppliers, agreed to issue Bank Guarantee in terms of the said order on behalf of the Supplier and the Company has agreed to accept the same. It is hereby stipulated and agreed that the Supplier shall repair or replace free of cost Equipment, Machinery, its parts and components found defective on account of workmanship or defective material or inferior manufacturer, as mentioned in Warranty and Guarantee Clause of the Order for period of ..... from the date of commissioning/ installation OR from the date of delivery.

4. The Surety binds himself to pay to the extent of ..... Rs. .... in case of failure on the parts of the Supplier to perform this Guarantee provided the Company informs the Surety in writing to this effect.

5. Notwithstanding anything contained hereinafter the liability of the Surety in respect of this Guarantee is restricted to Rs. .... (Rupees ..... only) and it will remain in force till ..... This Guarantee will remain in force upto ..... in the first instance. However, if the contract for which this Guarantee is given is not completed or fully performed, the Surety (Bank) hereby agrees to further extend the Guarantee till such time as is required to fulfil the contract.

6. The Surety shall not be discharged or released from this Guarantee by any arrangement between the Company and the Supplier with or without the consent of the Surety or by any alteration in the obligation of the parties or by any indulgence, forbearance, whether as to payment, time performance or otherwise.

In witness whereof the said Surety Subscribed and set its name and seal hereupto ..... the day.

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#### VENDOR DETAILS

Bidder is requested to furnish the following information/ details along with their unpriced offer:

1. Vendor name (mandatory):
2. Complete address (State -mandatory):
3. PIN Code (mandatory):
4. Telephone, Fax, mobile & e-mail:
6. ECC No :
7. Excise Registration no :
8. Micro/Small/Medium/ others/ no category (mandatory):
9. Excise Division :
10. Excise Commissionarate:
11. Central Sales tax no :
12. Local/ State sales tax no :
13. Service Tax Registration no
14. PAN No (mandatory)
15. TIN No:

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(Bidder's Signature)

Stamp:

Date:

ON VENDOR's LETTER HEAD

To,  
GM (Commercial & Legal)  
Commercial Department  
Numaligarh Refinery Limited,  
Golaghat, Assam  
Pin: 785699

Dear Sirs,

The following is a confirmation / updation of my bank account details and I hereby affirm my / our choice to opt for payment of amounts due to me under various contracts through electronic mode. I understand that Numaligarh Refinery Ltd. also reserves the right to send the payments due to me by a cheque / Demand Draft / electronic mode or through a banker.

A. Supplier / Contractor Details

1. Supplier / Contractor Name (As per bank records)
2. Supplier / Contractor Code
3. Address(Including Pin Code)
4. P. A N. -.
5. E-mail ID
6. Contact Telephone Number

B. Particulars of Bank Account

1. Bank Name
2. Branch Name /branch code
3. Branch Address (incl Pin code)
4. 9 Digit MICR No. of Bank and Branch as appearing on the cheque
5. Account Type (Savings/Cash credit/Current)
6. Account Number (as appearing on cheque book)
7. IFSC Code of the Branch (For RTGS)
8. IFSC Code of the Branch (For NEFT)

I hereby confirm that the particulars given above are correct and complete and also undertake to promptly advise any changes to the above details to NRL. If the transaction is delayed or not effected for reasons of incomplete or incorrect information or banking delays, I shall not hold Numaligarh Refinery Limited responsible. I also agree for printing of the bank details on the cheque or DD if the payment is effected by cheque / DD.

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Name (in Capitals) of supplier / contractor

Authorised Signatory  
Official Rubber Stamp

Date:

Note: 1. Bank details to be confirmed by the bankers. Such confirmation shall be duly signed & stamped by the bankers. PLEASE NOTE THAT IF THIS FORMAT IS EXTENDED TO NUMBER OF PAGES THEN SIGNATURE AND STAMP FROM YOUR BANKER IS REQUIRED IN ALL THE PAGES.

2. PLEASE ENCLOSE A PHOTOCOPY OF A CHEQUE (DULY CANCELLED AT YOUR END) FROM YOUR CHEQUE BOOK OF THE BANK WHERE YOUR ACCOUNT IS BEING MAINTAINED.