



NUMALIGARH REFINERY LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)



NRL COMPLEX, NUMALIGARH,
Dist : GOLAGHAT, ASSAM 785699
Tel.: 03776-265413 Fax : 03776-265514

ONLINE OPEN TENDER
HARD COPY OF OFFER NOT
ACCEPTED

REQUEST FOR QUOTATION	
NRL REF: COL. No.	: OC03000150/HIR
Date	: 09.04.2019
Contact Person	: Hirendra Kr. Borah
Phone No.	: 03776 - 265494
Email ID	: hirendra.bora@nrl.co.in
Bid submission end date : 01.05.2019 Time: 11:00 AM	
Bid opening date (tech) : 02.05.2019 Time: 11:00 AM	

Job Name: Supply of Current to Pressure (Pneumatic) Converter for regular & special use (COMM/C03/6458).

Dear Sirs,

Numaligarh Refinery Limited (NRL) invites e-bids from competent and experienced Indian supplier for the following 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.

1. TENDER SCHEDULE

SN.	Title	Date & Time
1	Tender Publish Date	09-04-2019
2	Tender document download start date & time	09-04-2019 at 05:00 PM
3	Pre-Bid Meeting Date	Not Applicable
4	Tender document download end date & time	01-05-2019 at 11.00 AM
5	Bid Submission start date & time	09-04-2019 at 04.00 PM
6	Bid Submission end date & time	01-05-2019 at 11.00 AM
7	Bid opening date & time (Technical Bid)	02-05-2019 after 11.00 AM

2. SUBMISSION OF E-BID:

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

- i) PART – I: Techno-commercial / Un-priced Bid
- ii) PART - II : Priced Bid

Note:

- i) 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>
- ii) 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.
- iii) For any assistance you may please contact our service provider personnel at Phone No 03776 – 265774, email: z_tender@nrl.co.in

- iv) 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.
- v) **Bids received by way of Post, Courier, Fax, Telex or Telegram or email or in open condition shall not be considered.**

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

- a) Documents in support of PQC.
- b) Agreed Terms & Conditions (ATC) duly filled, signed & stamped. The commercial terms & conditions should not be repeated in the offer. Please also clearly mention "QUOTED / NOT QUOTED" against respective quoted items.
- c) Technical Compliance Sheet & other Technical documents duly signed & stamped.

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

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

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

- a) Applicable in this tender as per **Annexure-“X”**

6. **PURCHASE PREFERENCE LINKED WITH LOCAL CONTENT:**

- a) Applicable in this tender as per **Annexure-“XI”**

Documents to be submitted in support of ‘Micro & Small’ and ‘Start Ups’

Apart from the documents listed above, bidders who are willing to avail the benefit of ‘Micro & Small Enterprises’ and ‘Start Ups’ are required to submit the following documents.

For availing the benefits of ‘Micro & Small Enterprise’:

MSE bidder has to mandatorily submit copy of MSE registration document (i.e. Udyog Adhaar Memorandum (UAM) or Entrepreneurs Memorandum (EM Part-II)) from any of the following body:-

- National Small Industries Corporation (NSIC)
- District industries Centers(DICs)
- Coir Board
- Khadi and Village Industries Commission(KVIC)
- Khadi and Village Industries Board(KVIB)
- Directorate of Handicrafts and Handloom
- Udyog Adhaar Acknowledgment / Udyog Adhaar Memorandum issued by MoMSME
- Any other body specified by the Ministry of MSME (MoMSME)

- (i) If the bidder fails to submit MSE registration certificate mentioned above in the original tender, the bidder shall not be considered for evaluation as MSE.
- (ii) The MSE registration shall be valid as on date of placement of order
- (iii) The registration must be for the items/category of items/services relevant to the tendered items/category of items /services.

NOTE: The Government of India vide letter No. J-25011/31/2018-Gen dated March, 2018 (Ministry of Petroleum & Natural Gas) and Office Memorandum no. F.5/4/2018-PPD dated 28th February, 2018 (Ministry of Finance) has mandated that declaration of Udyog Adhaar Memorandum (UAM) numbers by the vendors on CPPP (i.e. e Tenders submitted through www.eprocure.gov.in portal) will be mandatory with effect from 01-04-2018.

The registration must be for the items/category of items/services relevant to the tendered items/category of items /services. *(For details please refer **Annexure – X** of the tender document).*

7. SPECIAL CONDITION OF THE TENDER:

The requirement of Prior Turnover & Prior Experience (indicated in the tender document) will not be relaxed for Micro and Small Enterprise (MSE) or Startup or Startup bidder for the subject tender as it is related to Public safety. As such Pre-Qualifying Criteria mentioned in the tender should be complied by all participating bidders.

8. For availing the benefits of 'Start Ups':

Bidder who intends to participate as 'Start-up' company should enclose the Certificate of Recognition issued by Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, Govt. of India.

To update MSME details please **follow the steps:**

1. Logon to the CPPP
2. Login with your account details
3. Click on **My Accounts**
4. Click on **Privileges**
5. Under **MSME** you have to update your details.

If any issues occur please contact CPPP helpdesk at 0120-4200462 / support-eproc@nic.in

9. GENERAL:

- a) **Bidders who are on holiday list by NRL or any other Oil sector PSU will not be considered. Accordingly, the bidder shall submit a self-declaration as per format enclosed with Tender Document as Annexure "IX".** It may be noted that if this declaration is found to be false, NRL shall have the right to reject bidder's offer, and if the bid has resulted in a contract, the contract is liable to be terminated.
- b) Canvassing in any other form by the bidder or by any other agency on their behalf may lead to disqualification of their bid.
- c) 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.
- d) 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.

Offer will be considered only when NRL is satisfied with experience and capability of the tenderer to take up this work.

Thanking you,

For & on behalf of Numaligarh Refinery Limited

General Manager (Commercial) I/C

NUMALIGARH REFINERY LIMITED
AGREED TERMS & CONDITIONS (ATC)

Bidder M/s _____

Tender No: **OC03000150/HIR**

Offer Ref & Date: _____

Signature: _____

Mobile No.: _____

Contact Person: _____

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.	<u>EVALUATION OF TENDER:</u> Evaluation will be done on "ITEM WISE LOWEST OFFER BASIS" and items are SPLITABLE .	Noted & Confirmed
02.	Quoted price shall be on FOR NRL Site, Numaligarh, Assam Basis . Please indicate the following: (a) Despatch Point of the goods: (b) Mode of despatch of goods:	(a) _____ (b) _____
03.	Please confirm that you have quoted price on FOR NRL Site, Numaligarh, Assam basis ; separately indicating Basic Price (on Ex-works), P&F Charge (in % of basic), Freight Charge (in % of basic), Transit Insurance (in % of basic) and GST (in %) in the "BoQ / Priced Bid " in "XLS" format as per instructions provided.	Confirmed.
	<u>NOTE:</u> 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 along with 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. Ambiguity/contradiction/lack of clarity may lead to rejection at any stage of the tender without further notice.	Noted

(SIGNATURE OF BIDDER)

SN	DESCRIPTION	BIDDER'S CONFIRMATION
04.	Arrangement of Transportation up to NRL Site, Numaligarh, Assam Basis and Transit Risk Insurance are in bidder's scope.	Confirmed
05.	It will be the sole responsibility of the bidder to arrange for Testing (if any) and submit the testing certificate along with dispatch documents. No time extension shall be allowed by NRL for any delay/lapse in this regard.	Confirmed
06.	<u>GOODS AND SERVICES TAX (GST):</u> Present rate of GST payable extra on finished products has been indicated in the BoQ in terms of your QUOTED Price.	Confirmed
07.	Any new or additional taxes / duties and any increase in the existing taxes / duties imposed after contractual delivery date shall be to Bidder's account whereas any corresponding decrease shall be passed on to the Owner.	Confirmed
08.	<u>PAYMENT TERMS:</u> ➤ 100% payment within 30 days after receipt & acceptance of materials at NRL Site, Numaligarh. <u>Note:</u> 1. Deviation to payment term may lead to rejection of offer. 2. Bidders to note that NRL shall release all payments through e-payment mode (RTGS / NEFT) only and not through any other mode.	Confirmed Noted
09.	<u>DELIVERY CONDITIONS:</u> • Material shall be delivered within 04 (four) months from the date of placement of PO. <u>Note:</u> Deviation to payment term may lead to rejection of offer.	Confirmed Noted
10.	<u>TECHNICAL TERMS & CONDITIONS:</u> DETAILED ITEM DESCRIPTION is attached with tender document. Bidders are requested to read carefully all Technical Specification as per attachment of this tender.	Confirmed Noted
11.	<u>PERFORMANCE BANK GUARANTEE (PBG):</u> Performance Bank Guarantee (PBG) shall be furnished for 10% of the Total Order Value (Including Supplies, Services) shall be submitted within 45 days from the date of placement of order. The PBG shall be valid till completion of the warranty period with an additional claim period of 03 months. All payments will be subject to receipt of the said PBG. PBG format is available in NRL website.	Confirmed
12.	<u>Defect Liability / Guaranty / Warranty Period:</u> 12 months from the date of receipt and acceptance of materials at NRL Site, Numaligarh.	Confirmed

(SIGNATURE OF BIDDER)

SN	<u>DESCRIPTION</u>	BIDDER'S CONFIRMATION
13.	<u>PRICE REDUCTION CLAUSE FOR DELAYED DELIVERY:</u> 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
14.	<u>OFFER VALIDITY:</u> Bid shall remain valid for periods of 120 days from the date of bid opening.	Confirmed.
15.	<u>PART ORDER:</u> Bidder to confirm acceptance of Part Order. However, the quantity in the enquiry documents for each item shall be ordered on one vendor.	Not Applicable for this tender.
16.	<u>REPEAT ORDER:</u> Repeat Order may be placed within 12 months from the date of the original order at the same prices, terms & conditions. Please confirm acceptance.	Confirmed
17.	<u>FIRMNESS OF PRICES:</u> Quoted prices shall remain firm and fixed till complete execution of the order.	Confirmed
18.	Kindly confirm whether you are a registered MSE vendor. For details please refer “Annexure X” of the Tender Document. a. Indicate separately if you are a Women Owned MSE :- b. Indicate separately if you are a MSE and belong to the SC/ST category:- Documentary proof like ownership certificate / caste certificate etc. to be submitted for eligibility under a and b above.	Yes / No Yes / No
19.	<u>Supporting documents for Startup:</u> Bidder who intends to participate as 'Start-up' company should enclose the Certificate of Recognition issued by Department of Industrial Policy and Promotion, Ministry of Commerce & Industry, Govt. of India.	Confirmed
20.	Please indicate your GST registration no.	
21.	Please indicate the HSN code of the goods item-wise.	

(SIGNATURE OF BIDDER)

SN	<u>DESCRIPTION</u>	BIDDER'S CONFIRMATION
22.	All other terms and conditions shall be as per NRL's 'General Purchase Conditions (Indigenous).	Confirmed.
23.	Printed terms and conditions, if any, submitted with the quotation shall be ignored and shall not be applicable in the event of order. In case of contradiction between the confirmations given above and terms & conditions mentioned elsewhere in the offer, the confirmation given herein above shall prevail. Moreover, rates & taxes indicated in the BOQ shall prevail.	Confirmed.
24.	<u>Price Implications Not Permitted:</u> Any increase/ decrease in price submitted by Supplier after submission of offer without any query will be treated as unsolicited.	Confirmed
	- No price implication shall be permitted against technical / commercial queries, which are clarificatory in nature without involving any change in scope / specifications. In case any vendor gives price increase, the bidder shall be advised to withdraw such price increase, and if the vendor does not accept to withdraw price increase, his bid for corresponding item will be rejected. - In case of unsolicited price decrease, the supplier offer shall be compared as per originally quoted prices and if the supplier happens to be the recommended supplier, the decrease in prices shall be taken into account for ordering.	Confirmed
25.	Bidder should submit the all pages of tender document with seal & signed.	Confirmed
26.	Conditions not covered above shall be as per NRL's 'General Purchase Conditions (Indigenous).	Confirmed.

SIGNATURE OF BIDDER : _____

NAME OF BIDDER : _____

COMPANY SEAL : _____

DATE : _____

TECHNICAL COMPLIANCE SHEET

Tender No: OC03000150/HIR

Subject: Supply of Current to Pressure (Pneumatic) Converter for regular & special use (COMM/C03/6458).

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.	<u>PRE QUALIFICATION CRITERIA:</u> a) Bidder shall be OEM of the offered items. b) Proven Track record (PTR): The OEM of the offered Current to Pressure converter must have established presence and proven track record in Petroleum Refineries in India. Bidder shall submit performance certificate from end user of any Indian refineries as documentary evidence to prove that Current to Pressure (pneumatic) converter manufactured by the OEM, supplied in the past 5 years reckoned from date of NIT has performed satisfactorily for at least 6 months.	Noted & confirmed.
02.	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
03.	Bidder has to strictly adhere to specifications and in case of any deviation the same has to be replaced free of cost.	Confirmed

Special Note to Bidders:

- *The requirement of Prior Turnover & Prior Experience (indicated in the tender document) will not be relaxed for Micro and Small Enterprise (MSE) or Startup or Startup bidder for the subject tender as it is related to Public safety. As such Pre-Qualifying Criteria mentioned in the tender should be complied by all participating bidders.*
- *As per CVC Circular no. 03/01/12 dated 13/01/2012 Para 3(a) "In a tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender."*
For this tender, in case offers are submitted by manufacturers (OEM/ Principals) directly, the offers of dealers shall be rejected for those quoted items without any further communication.

(SIGNATURE OF BIDDER)

ANNEXURE “IX”

Bidders who are on holiday list by NRL or any other Oil sector PSU will not be considered. Accordingly, the bidder shall submit a self-declaration as per format below. It may be noted that if this declaration is found to be false, NRL shall have the right to reject bidder's offer, and if the bid has resulted in a contract, the contract is liable to be terminated.

PRO-FORMA FOR SELF DECLARATION OF BLACK LISTING / HOLIDAY LISTING

Sub: Supply of Current to Pressure (Pneumatic) Converter for regular & special use (COMM/C03/6458).

Tender No.: OC03000150/HIR

We hereby declared that we are not currently serving any holiday listing orders issued by NRL or MOPNG debarring us from carrying on business dealings with NRL/MOPNG or serving a banning order by another Oil PSE.

It is understood that any wrong declaration in this context shall make my agency / company liable for action under the Holiday Listing procedure of NRL.

(SIGNATURE OF BIDDER)

Date:

Place:

TENDERS FROM MICRO AND SMALL ENTERPRISES (MSEs):

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 Bidder:

MSE bidder has to mandatorily submit copy of MSE registration document (i.e. Udyog Adhaar Memorandum (UAM) or Entrepreneurs Memorandum (EM Part-II)) from any of the following body :-

- National Small Industries Corporation (NSIC)
 - District industries Centers(DICs)
 - Coir Board
 - Khadi and Village Industries Commission(KVIC)
 - Khadi and Village Industries Board(KVIB)
 - Directorate of Handicrafts and Handloom
 - Udyog Adhaar Acknowledgment / Udyog Adhaar Memorandum issued by MoMSME
 - Any other body specified by the Ministry of MSME (MoMSME)
- (iv) If the bidder fails to submit MSE registration certificate mentioned above in the original tender, the bidder shall not be considered for evaluation as MSE.
- (v) The MSE registration shall be valid as on date of placement of order
- (vi) The registration must be for the items/category of items/services relevant to the tendered items/category of items /services.

B. Benefits Under The Public Procurement Policy for Micro and Small Enterprises (MSEs) Order 2012

1. Issue of Tender Sets Free of Cost

Tenders shall be provided free of cost and tender documents are downloadable from NRL Website www.nrl.co.in, The Indian Government tenders information system www.tenders.gov.in or Central Public Procurement (CPP) Portal <http://eprocure.gov.in/eprocure/app> or can be obtained from the Office of General Manager (Commercial & Legal).

2. Exemption from payment of EMD (Earnest Money Deposit)

MSE units qualifying as at (A) above shall be exempt from paying EMD if EMD is applicable against the tender.

3. Price preference for MSEs Bidder:

- i) In tender, participating Micro and Small Enterprises quoting price within price band of L1+15% per cent shall also be allowed to supply a portion of requirement by bringing down the price to L1 price in a situation where L1 bidder 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 case of more than one such MSE, the supply shall be shared proportionately (to tendered quantity)
- ii) In case of tender item is non-splitable or non-dividable etc. MSE quoting price within price band L1+15% may be awarded the full/complete supply of the total tendered value to MSE, considering spirit of policy for enhancing the Government procurement from MSE, provided they agree to bring down their price to L1 price.
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 accept and execute the contract at the L1 price and on his refusal to accept the L1 price, opportunity shall be provided so on to the other MSEs.

POLICY TO PROVIDE PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) (PP-LC)

MOP&NG has notified the purchase preference (linked with local content) for the procurement of goods and services under Oil & Gas Projects in India. Under this Policy, the bidders are allowed to avail the purchase preference linked with attaining the stipulated Local content.

NRL reserves the right to allow Manufacturers or Suppliers or Service providers, purchase preference as admissible under the prevailing policy, subject to their complying with the requirements/conditions defined herein and submitting documents required to support the same.

In order to avail the Purchase preference under this policy, bidder shall achieve minimum Local Content (LC) as specified in the Table below.

Items	Local Content (%)		
	2017-18	2018-19	2020-22
Service Contract	20%	22%	25%
Supply Contracts	20%	22%	25%
EPC Contracts (Others)	30%	35%	40%

The Policy shall be implemented in the following manner:

- a. In case the lowest (L1) bidder meets the stipulated LC criteria, the order shall be awarded to such bidder.
- b. In case none of the bidders meets the stipulated LC criteria, the order shall be awarded to the lowest bidder.
- c. In case the lowest bidder does not meet the stipulated LC criteria, the bidders shall be ranked in the ascending order of evaluated prices and next bidder meeting minimum stipulated LC and with his evaluated price within a price band of (+) 10% of lowest bidder's evaluated price, shall be given opportunity to supply 50% of the requirement by matching the lowest bidder's evaluated price. However, if 50% quantity works out to a fraction of quantity, the bidder shall be considered for next higher quantity. In case the quantity cannot be split, the order shall be placed with the entire quantity.
- d. In case there are more than one bidder within the price band of (+) 10% of lowest bidder's evaluated price, they shall be ranked in ascending order of their evaluated prices. The opportunity of matching the price shall be accorded starting from the lowest bidder out of these bidders and in case of his refusal, to the next bidder, and so on.
- e. In case none of the bidders who meet the stipulated LC criteria agree to match the lowest price, the natural lowest bidder will be awarded the job.
- f. The option in case of MSE bidders qualifying under both Policies, namely, Purchase Preference under the Public Procurement Policy - 2012 (PPP - 2012) from MSE bidders and Purchase Preference Linked with Local Content (PP-LC 2017) shall be exercised as under:
 - i) The MSE bidder can avail only one out of the two applicable purchase preference policies, i.e. PP-LC 2017 or PPP-2012 and therefore, bidder will be required to furnish the option under which he

desires to avail purchase preference. This option must be declared within the offer and in case bidder fails to do so although he is eligible for both the Policies, his offer would be evaluated considering PPP-2012 as the default chosen option.

In case a MSE bidder opts for preference under PPP-2012, he shall not be eligible to claim benefit under PP-LC 2017 (irrespective of the fact whether he furnishes the detail of LC in his offer and this LC meets the stipulated LC criteria).

- ii) In case a MSE bidder opts for purchase preference based on PP-LC 2017, he shall not be entitled to claim benefit of purchase preference benefit as applicable for MSE bidders under PPP-2012. However, the exemptions from furnishing Bidding Document fee and Bid security shall continue to be available to such a bidder.
- g. In view of the above, the bidder's quoted prices against various items of enquiry shall remain valid even in case of splitting of quantities of the items, except in case of items where the quantity cannot be split since these are to be awarded in a Lot or as a package or Group.
- h. While evaluating the bids, for price matching opportunities and distribution of quantities among bidders, the order of precedence shall be as under :
 - MSE bidder (PPP-2012)
 - PP-LC complied bidder (PP - LC)

Examples of Purchase Preference

Non divisible item:

L1 bidder is non MSE, non PP-LC bidder

L2 bidder is PPC-LC (within 10%)

L3 bidder is MSE bidder (within 15%)

MSE bidder shall be given preference to match the L1 price. If L3 bidder matches the L1 price, order shall be placed on him; otherwise option for matching the L1 price shall be given to L2 bidder (PP-LC)

Divisible Item:

L1 bidder is non MSE, non PP-LC bidder

L2 bidder is PP-LC (within 10%)

L3 bidder is MSE bidder (within 15%)

MSE bidder shall be given preference to match the L1 price. If bidder matches the L1 price, order shall be placed on him for the quantity specified in the bidding document. For the balance quantity (i.e. 50% of tendered quantity/value) option for matching the L1 price shall be given to L2 bidder (PP-LC) Balance quantity shall be awarded to natural lowest bidder.

For further clarification, in case an item has quantity 4 nos. then 1 no. can be given to MSE bidder, 2 to PP-LC bidder and left out 01 no. to natural L1 bidder.

- i. In case lowest bidder is a MSE bidder, the entire work shall be awarded to him without resorting to purchase preference to bidders complying with Local Content.

- j. In case lowest bidder is a PP-LC bidder purchase preference shall be resorted to MSE bidder as per provisions specified in the enquiry document w.r.t. PPP-2012 only.

k. Certification of Local Content

Manufacturers of goods and/or providers of service, seeking Purchase Preference under the policy, shall be obliged to certify the LC of goods, services or EPC contracts as under:

At bidding stage

Bidder shall furnish the percentage of the local content, taking into account the factors and criteria listed out in the policy. These details shall be required only at aggregate level like supply value, transport value and other heads given in the price schedule.

The bidder claiming the PP-LC benefit shall be required to furnish an undertaking on bidder's letterhead confirming his meeting the Local Content and this undertaking shall be certified as under:

- Where the total quoted value is less than INR 5 Crore –

The LC content shall be self-assessed and certified by the authorized signatory of the bidder signing the bid.

- Where the total quoted value is INR 5 Crore or above –
 - i. The Proprietor and an independent Chartered Accountant, not being an employee of the firm, in case of a proprietorship firm.
 - ii. Any one of the partners and an independent Chartered Accountant, not being an employee of the firm in case of a partnership firm.
 - iii. Statutory auditors in case of a company. However, where statutory auditors are not mandatory as per laws of the country, where bidder is registered, an independent chartered accountant, not being an Employee of the bidder's organization.

Note:

1. Sample formats for calculation of LC are given below as Table 1 (for Supply Contracts), Table 2 (for Service Contract), Table 3 [for EPC Contracts (Others)].
2. LC of goods shall be computed on the basis of the cost of domestic components in goods, compared to the whole cost of product. The whole cost of product shall be constituted of the cost spent for the production of goods, covering: direct component (material) cost; direct manpower cost; factory overhead cost and shall exclude profit, company overhead cost and taxes for the delivery of goods.

The onus of submission of appropriately certified documents lies with the bidder and the purchaser shall not have any liability to verify the contents and will not be responsible for the same. However, in case the procuring company has any reason to doubt the authenticity of the Local Content, it reserves the right to obtain the complete back up calculations before award of work failing which the bid shall be rejected.

After award of contract:

- Where the estimated value is less than INR 5 Crore:

The LC certificate shall be submitted along with each invoice duly self-certified by the authorized signatory of the bidder

- Estimated value is INR 5 Crore or above:

Supplier shall provide the necessary local content documentation to the statutory auditor, who shall review and determine that local content requirements have been met, and issue a local content certificate to that effect on behalf of procuring company, stating the percentage of local content in the goods or service measured.

However, procuring company shall also have the authority to audit as well as witness production processes to certify the achievement of the requisite local content and/or to obtain the complete back up calculation before award of work failing which the bid shall be rejected and appropriate action may be initiated against the bidder.

Failure of bidder in complying with the local content post award:

In case a bidder, who has specified in his bid that the bid meets the minimum Local Content specified in the enquiry document, fails to achieve the same, the following actions shall be taken by the procuring company:

- a. Pre-determined penalty @ 10% of total contract value
- b. Banning business with the supplier/contractor for a period of one year.

To ensure the recovery of above pre-determined penalty, payment against dispatch/shipping document shall be modified to the extent that the 10% payment out of this milestone payment shall be released after completion of this milestone as well as submission of certification towards achievement of Local Content as per provision of enquiry document. Alternatively, this payment can be released against submission of additional bank guarantee valid till completion schedule, plus 3 months or as required by purchasing company.

Purchase Preference in case where Negotiation is also required:

In case purchase preference is applicable, but negotiation is to be conducted with L1 bidder, negotiation shall be carried out. MSE and/or LC complied bidder shall be offered to match the negotiated prices (even if, post negotiation, they are higher by more than 10% as compared to L1 bidder provided they were within 10% of L1 bidder as per original quoted prices) and left out quantity, if any, as per provisions of enquiry document shall be awarded to that bidder.

Table 1: CALCULATION OF LOCAL CONTENT – SUPPLY CONTRACTS (GOODS)

Name of Manufacturer	Calculation of manufacturer Cost per ne unit of Product			
Cost Component	Cost (Domestic Component)	Cost (Imported Content)	Cost Total Rs./US\$	% Domestic Component
	a	b	c = a+b	d = a/c
I. Direct Material Cost	To be quoted in priced bids only.			
II. Direct Labour Cost				
III. Factory Overhead				
IV. Total Production Cost				

Note:

$$\% \text{ LC Goods} = \frac{\text{Total Cost (IV.c)} - \text{Total imported component cost (IV.b)} \times 100}{\text{Total cost (IV.c)}}$$

$$\% \text{ LC Goods} = \frac{\text{Total Domestic component cost (IV.a)} \times 100}{\text{Total cost (IV,c)}}$$

Table 2: CALCULATION OF LOCAL CONTENT – SERVICE CONTRACTS

NAME OF SUPPLIER OF GOODS/PROVIDER OF SERVICE							
			Cost Summary				
			Domestic	Imported Rs./US\$	Total	LC	
						%	Rs./US\$
			b	c	d	e=b/d	f=d X e
A	Cost Component						
	I. Material Used Cost	Rs.US\$					
		Rs.US\$					
	II. Personnel & Consultant Cost	Rs.US\$					
		Rs.US\$					
	III Other services cost	Rs.US\$					
	IV Total Cost (I to IV)						
B	Taxes and Duties	Rs.US\$					
C	Total Quoted Price	Rs.US\$					

$$\% \text{ LC Service} = \frac{\text{Total Cost (A. IV.d)} - \text{Total imported component cost (A. IV.c)} \times 100}{\text{Total cost (A. IV.d)}}$$

$$\% \text{ LC Service} = \frac{\text{Total domestic component cost (A. IV.b)} \times 100}{\text{Total cost (A. IV.d)}}$$

Total cost (A. IV.d)

Table 3: CALCULATION OF LOCAL CONTENT – EPC (GOODS & SERVICES)

A	Cost Component (Rs./US\$)	Cost Summary				
		Domestic	Imported Rs./US\$	Total	LC	
					%	Rs./US\$
		b	c	d	e=b/d	f=d X e
I	GOODS					
1	Material used cost					
2	Equipment cost					
3	Sub Total I					
II	SERVICES					
1	Personnel & Consultant Cost					
2	Equipment & Work Facility Cost					
3	Construction/Fabrication Cost					
4	Other Services Cost etc.					
5	Sub Total II					
III	TOTAL COST OF GOODS + SERVICES					
B	Non Cost Component					
C	Total Quoted Price					

$$\% \text{ LC Combination} = \frac{\text{Total domestic component cost of goods (A.I.3.b) + Total domestic component cost of service (A.II.5.b)}}{\text{Total Cost (A. III .d)}}$$

ARBITRATION:

Arbitration Clause for PSEs / Govt. Deptt. (Except a dispute or difference concerning the Railways, income-tax, Customs and Excise Duties),

"In the event of any dispute or difference relating to the interpretation and application of the provisions of the contracts, such dispute or difference shall be referred by either for Arbitration to the sole arbitrator in the Department of Public enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The arbitration and Conciliation Act, 1996 shall not be applicable to Arbitration under this clause. The award of the arbitration shall be binding upon the parties to the dispute, provided, however any party aggrieved by such award may make a further reference for setting aside or revision of the award to the law Secretary, Department of Legal Affairs, Ministry of Law & Justices, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/ Additional Secretary, when so authorized by the Law Secretary, whose decision shall bind the parties finally and conclusively. The parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator".

Arbitration Clause for others:

- 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 and / 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 and 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.

Instructions for Online Bid Submission:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at:

<https://eprocure.gov.in/eprocure/app>.

REGISTRATION

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Click **here to Enroll**” on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC/e-Token.

SEARCHING FOR TENDER DOCUMENTS

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Space” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

- 1) Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as “offline” to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD (if applicable) as per the instructions specified in the tender document. The bidder shall deposit Earnest Money Deposit in the **online portal through the link <https://easypay.axisbank.co.in/nrl>**. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the prices bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.

- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800-3070-2232.

FORMAT FOR EXEMPTIONS AND DEVIATIONS

Sub: Supply of Current to Pressure (Pneumatic) Converter for regular & special use (COMM/C03/6458).

Tender No: OC03000150/HIR

Bidder is required to comply with the requirements of the Bid Document (including corrigendum(s) / addendum(s) etc. if any), and not to stipulate any exceptions or deviation.

In case it is unavoidable, Bidder may stipulate exceptions and deviations to bid requirements only as per the format below and enclose this with Part – I of bid.

Sl. No.	Bid Document Preference		Subject	Deviation
	Page	Clause		

(SIGNATURE OF BIDDER)

(To be submitted on bidder's letterhead)

UNDERTAKING

Date: _____

To,

GM (Commercial) I/C,
Numaligarh Refinery Limited,
Pankagrath, PO: Numaligarh Refinery Project,
Dist-Golaghat (Assam), India
PIN-785699
Fax No.: 03776-265514 / Phone: 03776-265477

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

Ref: (Tender No: OC03000150/HIR)

Dear Sir,

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

(Authorized Signatory)

Name & Designation:

Company Seal:

Date:

Place:

PRICE BID UNDERTAKING

From: (Full name and address of the Bidder) _____

To,

Dear Sir/Madam,

I submit the Price Bid for _____ and related activities as envisaged in the Bid document.

I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.

I offer to work at the rates as indicated in the price Bid, inclusive of all applicable taxes except GST.

Yours Faithfully,

Signature of authorized Representative:

Schedule of price bid in the form of BOQ_XXXX .xls

The below mentioned Financial Proposal/Commercial bid format is provided as BoQ_XXXX.xls along with this tender document at <http://eprocure.gov.in/eprocure/app> . Bidders are advised to download this BoQ_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with NRL.

TENDER ACCEPTANCE LETTER

(To be given on Company Letter Head)

Appendix- C

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Quotation Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

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

Supply of Current to Pressure (Pneumatic
RFQ number : 6100028047

Item	Material Code	Description	Order Qty	UoM
00010	I-IPCONV-SPAL-01	Current to pneumatic converter ; Type-2 - Item: Electro Pneumatic converter (I/P converter) (Type-2) (Integrated dual housing type). - Conversion type: Current to proportionate pneumatic signal. - Internal control: - Control type: Closed loop Electronic Feedback Control. - Control characteristic: Linear. - Medium: Instrument Air. - Pneumatic supply pressure (approx): Vendor specific, but max upto 5 Kg/cm2. - Input signal range: 4 -20 mA DC, 2-wire, 24 VDC (max.). - Out put signal: 0.2 - 1 Kg/cm2 (3-15 psig) with flow capacity suitable for pneumatic positioner (input: 0.2- 1 Kg/cm2) of control valve/ actuator. - Provision/facility for Zero and span adjustment: Required and shall be adjustable at site. - Total allowable Error (combined effect of non-linearity, hysteresis, dead zone and repeatability): Max. $\pm 0.5\%$ of span. - Mounting Position: Operation in any orientation shall be possible without recalibration. - Fail-Safe: Required and out put pneumatic signal shall fall to below 0.2 kg/cm2 when input signal fails. - Vibration tolerance: Required - Over range protection: Required. - Reverse polarity protection: Required. - Operating ambient temperature: 5 - 70 DegC. - Hazardous area classification (electrical): Zone-2, Gr: IIC - Enclosure: - Explosion proof: Required to the mentioned hazardous area classification (Approval/ certification By CCOE (PESO) is mandatory). - Ingress protection: IP65 /NEMA 4X or better. - Size of pneumatic connections for supply and output: 1/4 " NPT (F). - Size of pneumatic connection for pressure gauge mounting for supply pressure / output pressure monitoring: 1/4" NPT(F) or 1/8" NPT (F). - Output pressure gauge: - Required and to be supplied. - Size (approx.): 50mm (Approx.). - Pressure Gauge Case material: SS. - Range of the gauge (approx): 0-2 kg/cm2. - Size of cable entry (Electrical connection): 1/2 " NPT (F). - Electrical termination: Screwed terminal block (suitable upto 2.5 mm2 conductor) inside the explosion proof housing of the unit. - Housing and Cover Material: Cast Aluminum Alloy. - Housing of electronics and electrical connection: Shall be of integrated dual housing. Electronic compartment should be completely isolated and separate from electrical connection compartment/ housing. - Mounting: 2" yoke support (2" pipe) mounting. - Accessories and certificates (To be submitted along with the item): - Mounting arrangement(clamp/ plate/ stud etc.) for 2" yoke support - Calibration certificate.	75	Numbers

Item	Material Code	Description	Order Qty	UoM
		c. Explosion proof certificate along with certificate of CCOE (PESO). d. Ingress protection certificate. 27. Note: a. All the open pneumatic ports excluding the ports of supply, supply pressure gauge, output and output pressure gauge shall be plugged with removable plugs. b. The above open ports including cable entry shall be plugged with removable PVC plug/cap during supply.		
00020	I-IPCONVRTER-01-00	Current to pneumatic converter ; Type-1 1. Item: Electro Pneumatic converter (I/P converter) (Type-1). 2. Conversion type: Current to proportionate pneumatic signal. 3. Internal control: a. Control type: Closed loop Electronic Feedback Control. b. Control characteristic: Linear. 4. Medium: Instrument Air. 5. Pneumatic supply pressure (approx): Vendor specific, but max upto 5 Kg/cm2. 6. Input signal range: 4 -20 mA DC, 2-wire, 24 VDC (max.). 7. Out put signal: 0.2 - 1 Kg/cm2 (3-15 psig) with flow capacity suitable for pneumatic positioner (input: 0.2- 1 Kg/cm2) of contrlol valve/ actuator. 8. Provision/facility for Zero and span adjustment: Required and shall be adjustable at site. 9. Total allowable Error (combined effect of non-linearity, hysteresis, dead zone and repeatability): Max. $\pm 0.5\%$ of span. 10. Mounting Position: Operation in any orientation shall be possible without recalibration. 11. Fail-Safe: Required and out put pneumatic signal shall fall to below 0.2 kg/cm2 when input signal fails. 12. Vibration tolerance: Required 13. Over range protection: Required. 14. Reverse polarirty protection: Required. 15. Operating ambient temperature: 5 - 70 DegC. 16. Hazardous area classification (electrical): Zone-2, Gr: IIC 17. Enclosure: a. Explosion proof: Required to the mentioned hazardous area classification (Approval/ certification By CCOE (PESO) is mandatory). b. Ingress protection: IP65 /NEMA 4X or better. 18. Size of pneumatic connections for supply and out put: 1/4 " NPT (F). 19. Size of pneumatic connection for pressure gauge mounting for supply pressure / out put pressure monitoring: 1/4" NPT(F) or 1/8" NPT (F). 20. Output pressure gauge: a. Required and to be supplied. b. Size (approx.): 50mm (Approx.). c. Pressure Gauge Case material: SS. d. Range of the gauge (approx): 0-2 kg/cm2. 21. Size of cable entry (Electrical connection): 1/2 " NPT (F). 22. Electrical termination: Screwed terminal block (suitable upto 2.5 mm2 conductor) inside the explosion proof housing of the unit. 23. Housing and Cover Material: Cast Aluminum Alloy.	75	Numbers

RFQ number : 6100028047

Item	Material Code	Description	Order Qty	UoM
		24. Mounting: 2" yoke support (2" pipe) mounting. 25. Accessories and certificates (To be submitted along with the item): a. Mounting arrangement(clamp/ plate/ stud etc.) for 2" yoke support b. Calibration certificate. c. Explosion proof certificate along with certificate of CCOE (PESO). d. Ingress protection certificate. 26. Note: a. All the open pneumatic ports excluding the ports of supply, supply pressure gauge, output and out put pressure gauge shall be plugged with removable plugs. b. The above open ports including cable entry shall be plugged with removable PVC plug/cap during supply.		