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|-----------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Domain :                          | bhel.abcprocure.com |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |
| Parent department:                | BHEL                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                    |
| Unit name                         | :                   | BHEL Trichy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                    |
| Purchase group                    | :                   | FB Sub-Dely(Mech).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | RFQ/NIT/Enquiry Officer : JIBY M J                                                 |
| Event ID                          | :                   | 49239                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RFQ/NIT/Enquiry no. : 1802000707                                                   |
| Enquiry Date                      | :                   | 16/11/2020 05:30:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                    |
| Tender Description                | :                   | Start up system control Valves for Bhusawal and Panki project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                    |
| Terms & Conditions                | :                   | <p>1)Please fill up the commercial terms annexure A enclosed and submit along with the offer for evaluation.</p> <p>2)Please give point wise confirmation to our specification and fill all the columns in the datasheet.</p> <p>3)The Tender will be operated on TWO PART BID basis and you are requested to submit your offerthrough e-procurement mode. a)Technical offer with commercial terms and Unpriced bid and b)Price bid separately</p> <p>02)The evaluation will be done on TWO packages basisand on total cost to BHEL after all loading,as following.</p> <p>Package 1: Start up system control valves along with commissioning spares for Bhusawal Project. Enquiry Sl. no. 10-70.</p> <p>Package 2: Start up system control valve along with commissioning and mandatory spares for Panki Project.. Enquiry Sl. no. 80-380.</p> <p>5)For Indegenous Vendors quote shall be on FOR/Destination basis as per Annexure-A.</p> <p>6)Vendor to furnish unit weight and dimensional drawings of the valves at the time of the offer itself.</p> <p>7)Vendor shall follow applicable painting schedule for this project.</p> <p>8)While calculating the Quantity of Items for Commissioning spares, vendor shall round the number to the nearest higher whole number.</p> <p>9)Vendor to submit clear technical offer indicating the scope of supply for each items with BHEL material code and set details indicating applicable items with applicable description, Specification and quantity and also should clearly indicate not applicable items.</p> <p>10)All filled up data sheets, drawings, calculations for Cv, Noise, Valve outlet velocity,Lift vs Cv % and catalogues are to be submitted along with the offer.</p> <p>11)Vendor should submit the Cv test report for offered valves for our review and approval.</p> <p>12)Price Bid of the vendors will be open subjected to Techno commercial suitability and approval of vendor firm by our end customer and BHEL TRICHY.</p> |                                                                                    |
| Product / service / work keywords | :                   | Control valve,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                    |
| No. of Bid Parts                  | :                   | Multiple                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Envelope : Techno-commercial bid , Price bid                                       |
| Type of contract                  | :                   | Goods                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Project duration / delivery or completion period : 24 weeks from document approval |

|                                                                                                    |                                                  |                        |     |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------|-----|
| Download document                                                                                  | :                                                | Before login           |     |
| IEM                                                                                                | :                                                | Delivery/Location At : |     |
| Delivery Date                                                                                      | :                                                | 24/06/2021 05:30:00    |     |
| <b>Bid submission configuration</b>                                                                |                                                  |                        |     |
| Base currency                                                                                      | :                                                | INR                    |     |
| Bidding type                                                                                       | :                                                | NCB/Indigenous         |     |
| <b>Key configuration</b>                                                                           |                                                  |                        |     |
| Pre-bid meeting                                                                                    | :                                                | Don't allow            |     |
| <b>Dates configuration</b>                                                                         |                                                  |                        |     |
| Document downloading start date                                                                    | :                                                | 18/11/2020 15:00:00    |     |
| Document downloading end date                                                                      | :                                                | 01/12/2020 14:00:00    |     |
| Bid submission start date                                                                          | :                                                | 18/11/2020 15:00:00    |     |
| Bid submission end date                                                                            | :                                                | 01/12/2020 14:00:00    |     |
| Bid opening date                                                                                   | :                                                | 01/12/2020 14:10:00    |     |
| <b>Document / EMD / Security fee detail</b>                                                        |                                                  |                        |     |
| Document fees                                                                                      | :                                                | Not required           |     |
| EMD                                                                                                | :                                                | Not required           |     |
| <b>Bidding forms</b>                                                                               |                                                  |                        |     |
| Price Bid for Package-I                                                                            |                                                  |                        |     |
| Price Bid                                                                                          |                                                  |                        |     |
| Bid evaluation is on package basis. Offer shall be considered only if bidder quotes for all items. |                                                  |                        |     |
| ITEM CODE                                                                                          | Item Description                                 | Qty                    | UOM |
| L172712486701001                                                                                   | SEPERATOR LEVEL CONTROL VALVE ASSEMBLY.          | 2.00                   | SET |
| L172712486701002                                                                                   | MINIMUM ECONOMISER FLOWCONTROL VALVE ASSEMBLY    | 1.00                   | SET |
| L172712486701003                                                                                   | COMMON ELECTRO HYDRAULIC CONTROL UNIT.           | 1.00                   | SET |
| L172712486701004                                                                                   | SPECIAL TOOLS                                    | 1.00                   | SET |
| L172712486701005                                                                                   | TUBINGS AND FITTINGS                             | 1.00                   | SET |
| L172712486701006                                                                                   | FILLS OF HYDRAULIC FLUID                         | 2.00                   | SET |
| L172782498805001                                                                                   | COMMISSIONING SPARES FOR START UP CONTROL VALVES | 1.00                   | SET |

|                                                                                                                                                                                                                                                                                                                                                                      |                                                             |          |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------|-----|
| Vendor shall fill the Not Applicable Fields as "0"                                                                                                                                                                                                                                                                                                                   |                                                             |          |     |
| ADDITIONAL DETAILS                                                                                                                                                                                                                                                                                                                                                   |                                                             |          |     |
|                                                                                                                                                                                                                                                                                                                                                                      |                                                             |          |     |
| Item Name                                                                                                                                                                                                                                                                                                                                                            |                                                             | Quantity |     |
| dummy                                                                                                                                                                                                                                                                                                                                                                |                                                             | 0        |     |
| Vendor shall fill the Not Applicable Fields as "0"                                                                                                                                                                                                                                                                                                                   |                                                             |          |     |
| Price Bid for Package-II                                                                                                                                                                                                                                                                                                                                             |                                                             |          |     |
| Price Bid                                                                                                                                                                                                                                                                                                                                                            |                                                             |          |     |
| <p>Bid evaluation is on package basis. Offer shall be considered only if bidder quotes for all items except for mandatory spares items which may not be applicable for bidder design. For not applicable items bidder to clearly mention the reason in remarks column against each item. For mandatory spares, Bidder to indicate set details in remarks column.</p> |                                                             |          |     |
| ITEM CODE                                                                                                                                                                                                                                                                                                                                                            | Item Description                                            | Qty      | UOM |
| L172812486701001                                                                                                                                                                                                                                                                                                                                                     | SEPERATOR LEVEL CONTROL VALVE ASSEMBLY.                     | 2.00     | SET |
| L172812486701002                                                                                                                                                                                                                                                                                                                                                     | MINIMUM ECONOMISER FLOWCONTROL VALVE ASSEMBLY (MEFCV)       | 1.00     | SET |
| L172812486701003                                                                                                                                                                                                                                                                                                                                                     | COMMON ELECTRO HYDRAULIC CONTROL UNIT.                      | 1.00     | SET |
| L172812486701004                                                                                                                                                                                                                                                                                                                                                     | SPECIAL TOOLS                                               | 1.00     | SET |
| L172812486701005                                                                                                                                                                                                                                                                                                                                                     | TUBINGS AND FITTINGS                                        | 1.00     | SET |
| L172812486701006                                                                                                                                                                                                                                                                                                                                                     | FILLS OF HYDRAULIC FLUID                                    | 2.00     | SET |
| L172882498803001                                                                                                                                                                                                                                                                                                                                                     | COMMISSIONING SPARES FOR START UP CONTROL VALVES            | 1.00     | SET |
| L1728S2486701001                                                                                                                                                                                                                                                                                                                                                     | STEM PACKING FOR SEPERATOR LEVEL CONTROL VALVE              | 2.00     | SET |
| L1728S2486701002                                                                                                                                                                                                                                                                                                                                                     | STEM PACKING FOR MEFCV                                      | 1.00     | SET |
| L1728S2486701003                                                                                                                                                                                                                                                                                                                                                     | MOULDED RUBBER DIAPHRAGM FOR SEPERATOR LEVEL CV             | 4.00     | NO  |
| L1728S2486701004                                                                                                                                                                                                                                                                                                                                                     | MOULDED RUBBER DIAPHRAGM FOR MEFCV                          | 2.00     | NO  |
| L1728S2486701005                                                                                                                                                                                                                                                                                                                                                     | DIAPHRAGMS O# RINGS, SEAL FOR SEPERATOR LEVEL CONTROL VALVE | 1.00     | LOT |
| L1728S2486701006                                                                                                                                                                                                                                                                                                                                                     | DIAPHRAGMS O# RINGS, SEAL FOR MEFCV                         | 1.00     | LOT |
| L1728S2486701007                                                                                                                                                                                                                                                                                                                                                     | LUBRICANT FOR GASKET FOR SEPERATOR LEVEL CV                 | 1.00     | SET |
| L1728S2486701008                                                                                                                                                                                                                                                                                                                                                     | LUBRICANT FOR GASKET FOR MEFCV                              | 1.00     | SET |
| L1728S2486701009                                                                                                                                                                                                                                                                                                                                                     | LIMIT SWITCH FOR SEPERATOR LEVEL CONTROL VALVE              | 4.00     | SET |
|                                                                                                                                                                                                                                                                                                                                                                      |                                                             |          |     |

|                  |                                                           |      |     |
|------------------|-----------------------------------------------------------|------|-----|
| L1728S2486701010 | VALVE POSITIONER FOR SEPERATOR LEVEL CONTROL VALVE        | 1.00 | SET |
| L1728S2486701011 | LIMIT SWITCH FOR MEFCV                                    | 2.00 | SET |
| L1728S2486701012 | VALVE POSITIONER FOR MEFCV                                | 1.00 | SET |
| L1728S2486701013 | POSITION TRANSMITTER & ITS ACCESSORIES SEPERATOR LEVEL CV | 1.00 | SET |
| L1728S2486701014 | POSITION TRANSMITTER & ITS ACCESSORIES MEFCV              | 1.00 | SET |
| L1728S2486701015 | VALVE TRIM FOR SEPERATOR LEVEL CV                         | 1.00 | SET |
| L1728S2486701016 | VALVE TRIM FOR MEFCV                                      | 1.00 | SET |
| L1728S2486701017 | COMPLETE ACTUATOR FOR SEPERATOR LEVEL CV                  | 1.00 | SET |
| L1728S2486701018 | COMPLETE ACTUATOR FOR MEFCV                               | 1.00 | SET |
| L1728S2486701019 | SOLENOID VALVE FOR SEPERATOR LEVEL CV                     | 2.00 | NO  |
| L1728S2486701020 | SOLENOID VALVE FOR MEFCV                                  | 2.00 | NO  |
| L1728S2486701021 | I TO P CONVERTER & PRESSURE REGULATOR-SEPERATOR LEVEL CV  | 1.00 | NO  |
| L1728S2486701022 | I TO P CONVERTER & PRESSURE REGULATOR-MEFCV               | 1.00 | NO  |
| L1728S2486701023 | AIR LOCK RELAYS FOR SEPERATOR LEVEL CV                    | 2.00 | SET |
| L1728S2486701024 | AIR LOCK RELAYS FOR MEFCV                                 | 2.00 | SET |

Vendor shall fill the Not Applicable Fields as "0"

#### ADDITIONAL DETAILS

| Item Name | Quantity |
|-----------|----------|
| dummy     | 0        |

Vendor shall fill the Not Applicable Fields as "0"

## Information for Online Participation

Bidder who wish to participate in this tender needs to procure Digital Certificate as per Information Technology Act-2000 using that they can digitaly sign their electronic bids. Bidders can procure the same from any or the CCA approved certifying agencies, or they may contact e-Procurement Technologies Ltd. at below mentioned address and they will assist them in procuring the same. Bidders who already have a valid digital Certificate need not to procure the same. In case bidders need any clarification regarding online participation, they can contact,

**e-Procurement Technologies Ltd.**

Corporate Office:

Address : A-201/208, Wall Street - 2, Opp. Orient Club,

Nr. Gujarat College, Ellis Bridge,  
Ahmedabad - 380006, Gujarat(INDIA)

## Digital Certificate Contacts

Contact Person : Mr. Himalay Vaishnav  
Cell : +91-9099090830  
Phone Nos. : +91-9099090830  
Fax No :  
e-Mail : info@abcProcure.com

## Support Team Contacts

Contact Person : BHEL Support Team Ahmedabad  
Cell : +91-9265562819  
Phone Nos. : +91-79-68136849/48/57  
Fax No :  
e-Mail : Bhel.Support@abcProcure.com

Bidder who wish to participate in e-Tender need to fill data in predefined forms of Price bid available in respective tender only. After filling data in predefined forms bidders need to click on final submission link to submit their encrypted bid. Bidder need to submit Document Fees, EMD & Reference Documents in hard copy if such instruction are given by tendering authority. As Per the new Inter-operability guidelines released by Controller of Certifying Authorities(CCA), the Secured Socket Layer(SSL) certificate for a e-procurement application is generated on a new algorithm, SHA2.

Also, the Digital Certificates that will be applicable for these platforms have to be SHA2 algorithm complaint. For the same, the users have to ensure that they have Windows XP(SP3)/Windows Vista/Windows7 installed in their respective PC/Laptop. In case of Windows XP Service pack - 3, if you get any issue you can install the SSL patch, which is available at our download section of our e-Tender/e-Auction Portal and also at our corporate website [www.abcprocure.com](http://www.abcprocure.com) just below the label of "Knowledge section".

## Fraud Prevention

Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

## Preference to Make in India

Offers from Foreign vendors will not be considered. Offers of local vendors with less than the minimum local content as prescribed in this Tender will also not be considered. In the absence of any such information in the tender, the required minimum local content shall be 20%

For this procurement, Public Procurement (Preference to Make in India), order 2017 dated 15.06.2017 & 28.05.2018 and subsequent orders issued by the respective Nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable. Default margin of purchase preference shall be 20% to local suppliers with default minimum local content of 50%.