

Tender for Operations and maintenance



Information

|                             |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| <b>RFx number:</b>          | 7000015506                                                                                      |
| <b>Publication:</b>         | Public RFx                                                                                      |
| <b>Version:</b>             | 1                                                                                               |
| <b>RFx Name:</b>            | HYDRAULIC SYSTEM O/H AT 400KV BHEL CB                                                           |
| <b>Tender Subject:</b>      | WORK OF HYDRAULIC SYSTEM OVERHAULING & ATTENDING OF LEAKAGES IN POLE OF 400KV BHEL MAKE CIRCUIT |
| <b>Bid Submission:</b>      | 20.03.2020                                                                                      |
| <b>Funded By:</b>           |                                                                                                 |
| <b>Tender Fee Inc. GST:</b> | 525.00 ₹                                                                                        |
| <b>Estimated Cost:</b>      | 2,000,000.00 ₹                                                                                  |
| <b>Basis of Prices:</b>     |                                                                                                 |
| <b>Percent Based Bid:</b>   | Yes                                                                                             |
| <b>EMD Cost:</b>            | 20,000.00 ₹                                                                                     |
| <b>Tech Bid Open:</b>       | 20.03.2020 11:00:00                                                                             |
| <b>Price Bid Open:</b>      | 20.03.2020 15:00:00                                                                             |
| <b>Contact Person:</b>      | EE-8554993188, DYEE-8554993202                                                                  |

Additional Requested Information:

- a)#Average Annual financial turnover during the last 03 years, ending 31st March of the previous financial year, should be at least 50 % of the estimated cost. Submit ONLY turnover certificate of C.A. (essential).
- b)#Experience certificates of having done the “Work of Hydraulic System Overhauling & Attending of Leakages in pole of 400KV BHEL make Circuit Breaker 3AT3 type” amounting to 60% of the estimated cost in maximum 3 orders during last 5 years ending last da
- c)#Proof of Goods & Service Tax Registration (GSTIN Registration).
- d)#Copy of PAN card
- e)#Proof of Registration of Firm under Bombay shop & Establishment Act.
- f)#Copy of SSI/NSIC Certificate with Memorandum (if applicable).The Registration Certificate as submitted by Micro and Small Enterprises should be VALID on the date of submission of bid and the validity of the same should be certified by the Chartered Acc
- g)#Income Tax Returns of last any 03 years (2018-19/2016-17/2017-18).
- h)#Valid solvency certificate equivalent to an amount not less than 25 % of the estimated cost of works from scheduled / nationalized bank.
- i)#Undertaking of contractor as per Annexure A, Annexure I & Annexure G should be submitted.
- j)#Proof of Registration under Provident fund Act with challan paid for any of the last 06 months (If applicable)
- k)#Valid insurance of Labour / ESIC if applicable
- l)#Detail list of Staff & T&P for work execution
- m)#Valid Electrical Contractors license if required

Attachments:

- TENDER DETAIL - E-TENDER

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## RFx Details:

(\*Amount in ₹)

| Item | Item category<br>Product no. | HSN/SA<br>C No. | Description                                                                                                                                                                                                                                                                                                                               | Qty         | Unit Rate | Amount    |
|------|------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|-----------|
| 1    | Outline                      | 998736          | SERVICE PORTION FOR ATTENDING<br>LEAKAGE PE                                                                                                                                                                                                                                                                                               | 1.000<br>AU | --        | 148975.00 |
| 1.AA | Service<br>50010343          | 998736          | Attending 400kV CB Air Leakage<br>SERVICE PORTION FOR<br>ATTENDING LEAKAGE PER POLE                                                                                                                                                                                                                                                       | 1.000<br>EA | 148975.00 | 148975.00 |
| 2    | Outline                      | 998736          | HYDRAULIC MECHANISM O/H IN<br>400KV BHEL CB                                                                                                                                                                                                                                                                                               | 1.000<br>AU | --        | 417130.00 |
| 2.AA | Service<br>50009316          | 998736          | Overhauling of 400kV CB Mechanism<br>SERVICE PORTION FOR<br>OVERHAULING# 1) Overhauling of<br>Mechanism drive assembly# 2)<br>Overhauling of pilot valve assembly#<br>3) Overhauling of main drive<br>assembly# 4) Overhauling of pump<br>assembly# 5) Overhauling pipe line<br>assembly# 6) Checking of electrical<br>settings etc...# # | 1.000<br>EA | 417130.00 | 417130.00 |
| 3    | Material<br>500018780        | 40169300        | Hydraulic System 'O' Rings Set<br>Hydraulic System 'O' Rings Set for<br>Breaker Overhauling Work                                                                                                                                                                                                                                          | 1.000<br>EA | 10487.84  | 10487.84  |
| 4    | Material<br>500018781        | 85389000        | Hydraulic System Dowty Seals Set<br>Hydraulic System Dowty Seals Set                                                                                                                                                                                                                                                                      | 1.000<br>EA | 14063.24  | 14063.24  |
| 5    | Material<br>500019414        | 85389000        | 420kV CB Balls Set (9 No.)<br>420kV BHEL Circuit Breaker Balls<br>Set containg 9 Nos. Balls                                                                                                                                                                                                                                               | 1.000<br>EA | 2502.78   | 2502.78   |
| 6    | Material<br>500019211        | 85389000        | Piloted Non Return Valve (PNRV)<br>Piloted Non Return Valve (PNRV)                                                                                                                                                                                                                                                                        | 1.000<br>EA | 5780.23   | 5780.23   |
| 7    | Material<br>500019415        | 85389000        | Hydraulic Pressure Density Monitor<br>Hydraulic Pressure Density Monitor                                                                                                                                                                                                                                                                  | 1.000<br>EA | 8640.55   | 8640.55   |
| 8    | Material<br>500004103        | 85330000        | 3.3kΩ Resistor - CB<br>RESISTOR 3.3 K                                                                                                                                                                                                                                                                                                     | 1.000<br>EA | 893.85    | 893.85    |
| 9    | Material<br>500011867        | 85323000        | 130μF Capacitor<br>130μF Capacitor                                                                                                                                                                                                                                                                                                        | 1.000<br>EA | 1489.75   | 1489.75   |
| 10   | Material<br>500011490        | 85389000        | 220V AC Contactor (ESB 24-40)<br>CONTACTOR TYPE: ESB 24-40 ,<br>220 V AC                                                                                                                                                                                                                                                                  | 1.000<br>EA | 9832.35   | 9832.35   |
| 11   | Material<br>500009702        | 85049090        | 220V DC Contactor<br>220V DC Contactor                                                                                                                                                                                                                                                                                                    | 1.000<br>EA | 9474.81   | 9474.81   |
| 12   | Material<br>500008715        | 85389000        | Pressure switch<br>Pressure switch                                                                                                                                                                                                                                                                                                        | 1.000<br>EA | 34323.84  | 34323.84  |
| 13   | Material<br>500018782        | 84840000        | Hydraulic System Dynamic Seals Set<br>Hydraulic System Dynamic Seals Set                                                                                                                                                                                                                                                                  | 1.000<br>EA | 37601.29  | 37601.29  |

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| Item | Item category<br>Product no. | HSN/SAC No. | Description                                                                                                         | Qty         | Unit Rate | Amount   |
|------|------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------|-------------|-----------|----------|
| 14   | Material<br>500000232        | 85389000    | CB Aux Switch<br>AUXILIARY SWITCH FOR CIRCUIT<br>BREAKER                                                            | 1.000<br>EA | 12966.78  | 12966.78 |
| 15   | Material<br>500019410        | 85389000    | SF6 Gas Unit O Ring Set<br>SF6 Gas Unit O Ring Set                                                                  | 1.000<br>EA | 38316.37  | 38316.37 |
| 16   | Material<br>500010222        | 85389000    | SEALING RING<br>SEALING RING                                                                                        | 1.000<br>EA | 4171.30   | 4171.30  |
| 17   | Material<br>500016069        | 85389000    | Filter Material (35180506992-A)<br>35180506992-A, Filter Material<br>required for BHEL make 420 kV<br>Breaker       | 1.000<br>EA | 3098.68   | 3098.68  |
| 18   | Material<br>500016061        | 85369090    | Outer Seal Housing (35181007124-A)<br>35181007124-A, Outer Seal Housing<br>required for BHEL make 420 kV<br>Breaker | 1.000<br>EA | 17817.41  | 17817.41 |
| 19   | Material<br>500016068        | 85369090    | Inner seal Housing (35181007121-A)<br>35181007121-A, Inner seal Housing<br>required for BHEL make 420 kV<br>Breaker | 1.000<br>EA | 11858.41  | 11858.41 |

(\*Unit Rate mentioned is inclusive of all taxes)

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## Annexure - I

(\* NR is for Invalid Condition)

| Item | Product No. | HSN/SAC  | GST App. in % | Item type | Conditions* |
|------|-------------|----------|---------------|-----------|-------------|
| 1    |             | 998736   | 18            | E         |             |
| 1.AA | 50010343    | 998736   | 18            | E         | EXW,        |
| 2    |             | 998736   | 18            | E         |             |
| 2.AA | 50009316    | 998736   | 18            | E         | EXW,        |
| 3    | 500018780   | 40169300 | 18            | S         | EXW,        |
| 4    | 500018781   | 85389000 | 18            | S         | EXW,        |
| 5    | 500019414   | 85389000 | 18            | S         | EXW,        |
| 6    | 500019211   | 85389000 | 18            | S         | EXW,        |
| 7    | 500019415   | 85389000 | 18            | S         | EXW,        |
| 8    | 500004103   | 85330000 | 18            | S         | EXW,        |
| 9    | 500011867   | 85323000 | 18            | S         | EXW,        |
| 10   | 500011490   | 85389000 | 18            | S         | EXW,        |
| 11   | 500009702   | 85049090 | 18            | S         | EXW,        |
| 12   | 500008715   | 85389000 | 18            | S         | EXW,        |
| 13   | 500018782   | 84840000 | 18            | S         | EXW,        |
| 14   | 500000232   | 85389000 | 18            | S         | EXW,        |
| 15   | 500019410   | 85389000 | 18            | S         | EXW,        |
| 16   | 500010222   | 85389000 | 18            | S         | EXW,        |
| 17   | 500016069   | 85389000 | 18            | S         | EXW,        |
| 18   | 500016061   | 85369090 | 18            | S         | EXW,        |
| 19   | 500016068   | 85369090 | 18            | S         | EXW,        |

(\* PFQ -> Packing and Forwarding Per Quantity      FRQ-> Freight Per Quantity      FR%-> Freight in Percentage,  
EXW ->Ex-Works (Basic Price),      PFP-> Packing and Forwarding in Percentage,      INQ-> Insurance Per Quantity,  
INP -> Insurance in Percentage,      DISCQ-> Discount Per Quantity,      DISCP->Discount in Percentage )