



**BHARAT HEAVY ELECTRICAL LIMITED**  
**BHOPAL, MADHYA PRADESH**

PQC cum Annexure-I to P.L.821192016

Email:

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF MAGNETIC LIFTER CAP 200 KG, 300 KG & 600 KG

NOTE:-

1. Vendor must submit complete information from clause No.1 to 5.9. The offer meeting this clause would only be processed
2. The offer and all documents enclosed with offer should be in English language only.
3. The information provided by vendor in specification cum compliance certificate will supersede any other information provided by vendor.
4. No deviations irrespective of technical/ NIT conditions, will be acceptable because of our requirement is stringent. Hence vendors not fulfilling our requirement shall not be participate.

NAME & ADDRESS OF THE SUPPLIER :

E-MAIL ADDRESS :

SCOPE: SUPPLY OF OF MAGNETIC LIFTER CAP 200 KG, 300 KG & 600 KG

| SNO                                     | DESCRIPTION FOR BHEL REQUIREMENT                                                                                                                                                                                                      | SPECIFIED / CONFIRMED BY           | OFFERED                     | REMARKS |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------|---------|
| 1                                       | Supply of PERMANENT MAGNETIC LIFTER CAP 200 KG, 300 KG AND 600 KG WITH SPRING LOADED ON/OFF LEVER WITH SAFETY LOCK AT SIDE FOR SAFETY HEAVY REACTOR OF SAFETY 3.5.1 FOR FINISHED PLAT PLATE AND 2.1 FOR ROUGH CYLINDRICAL WORK PIECE. | Vendor to specify make & Model No. |                             |         |
| TECHNICAL DETAIL :                      |                                                                                                                                                                                                                                       |                                    |                             |         |
| 2 Technical specification for item no.1 |                                                                                                                                                                                                                                       |                                    |                             |         |
| 2.1                                     | Load lifting capacity (SWL)                                                                                                                                                                                                           | Min. 200 Kg                        | Vendor to specify & confirm |         |
| 2.2                                     | Length (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                               | Within 170-210 mm                  | Vendor to specify & confirm |         |
| 2.3                                     | Width (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                | Within 75-85 mm                    | Vendor to specify & confirm |         |
| 2.4                                     | Height (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                               | Within 100-165 mm                  | Vendor to specify & confirm |         |
| 2.5                                     | Factor of safety for flat finished plate                                                                                                                                                                                              | 3.5:1                              | Vendor to confirm           |         |
| 2.6                                     | Flat finished plate, min length X thickness                                                                                                                                                                                           | 1200 X 20 mm                       | Vendor to confirm           |         |
| 2.7                                     | Factor of safety for rough surface/round object                                                                                                                                                                                       | 2:1                                | Vendor to confirm           |         |
| 2.8                                     | Rough surface/round object, min length X thickness                                                                                                                                                                                    | 150 X 8 mm                         | Vendor to confirm           |         |
| 2.9                                     | Max. temperature of the object to be lifted                                                                                                                                                                                           | Less than 80 degree 'C'            | Vendor to confirm           |         |
| 2.9.1                                   | Weight                                                                                                                                                                                                                                | Not to exceed 10 Kilogram          | Vendor to confirm           |         |

*md boreau*  
*24/10/19*  
Mr. B. S. Bhatnagar, Dy. Manager (Procurement)  
BHEL, Bhopal, Madhya Pradesh  
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| 3 Technical specification for item no.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                             |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------|--|
| 3.1 Load lifting capacity (SWL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Min. 360 Kg                                                                           | Vendor to specify & confirm |  |
| 3.2 Length (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Within 170-240 mm                                                                     | Vendor to specify & confirm |  |
| 3.3 Width (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Within 85-90 mm                                                                       | Vendor to specify & confirm |  |
| 3.4 Height (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Within 165-190 mm                                                                     | Vendor to specify & confirm |  |
| 3.5 Factor of safety for flat finished plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.5:1                                                                                 | Vendor to confirm           |  |
| 3.6 Flat finished plate, min. length X thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1200 X 20 mm                                                                          | Vendor to confirm           |  |
| 3.7 Factor of safety for rough surface/round object                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2:1                                                                                   | Vendor to confirm           |  |
| 3.8 Rough surface/round object, min. length X thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 180 X 10 mm                                                                           | Vendor to confirm           |  |
| 3.9 Max. temperature of the object to be lifted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Less than 80 degree C                                                                 | Vendor to confirm           |  |
| 3.9.1 Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Not to exceed 15 Kilogram                                                             | Vendor to confirm           |  |
| 4 Technical specification for item no.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |                             |  |
| 4.1 Load lifting capacity (SWL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Min. 600 Kg                                                                           | Vendor to specify & confirm |  |
| 4.2 Length (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Within 255-360 mm                                                                     | Vendor to specify & confirm |  |
| 4.3 Width (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Within 110-120 mm                                                                     | Vendor to specify & confirm |  |
| 4.4 Height (+/-10% acceptable to both lower & higher limit)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Within 120-280 mm                                                                     | Vendor to specify & confirm |  |
| 4.5 Factor of safety for flat finished plate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3.5:1                                                                                 | Vendor to confirm           |  |
| 4.6 Flat finished plate, min. length X thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2000 X 25 mm                                                                          | Vendor to confirm           |  |
| 4.7 Factor of safety for rough surface/round object                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2:1                                                                                   | Vendor to confirm           |  |
| 4.8 Rough surface/round object, min. length X thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 250 X 15 mm                                                                           | Vendor to confirm           |  |
| 4.9 Max. temperature of the object to be lifted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Less than 80 degree C                                                                 | Vendor to confirm           |  |
| 4.9.1 Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Not to exceed 25 Kilogram                                                             | Vendor to confirm           |  |
| 3 INSPECTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                       |                             |  |
| 3.1 Pre-dispatch load test (As per international standard) and physical inspection of the magnetic lifter will be witnessed by BHEL safety engineer.                                                                                                                                                                                                                                                                                                                                                                                                             | Vendor to confirm                                                                     |                             |  |
| 3.2 Tests/Activities should be carried out at supplier's / manufacturer's works at their own cost of the magnetic lifter before dispatch : (Pre-dispatch inspection)                                                                                                                                                                                                                                                                                                                                                                                             | Vendor to confirm                                                                     |                             |  |
| 4 EVALUATION CRITERIA / QUALIFYING REQUIREMENT:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       |                             |  |
| 4.1 Only OEM or their authorized distributor / dealer has to be quoted and in this regard, Vendors other than OEM are need to be furnished an authorization certificate ensuring BHEL for their guarantee support and warranty services for a period of 12 months from the date of receiving of material at our works) as and when required by BHEL on prompt basis                                                                                                                                                                                              | Vendor to submit & confirm                                                            |                             |  |
| 4.2 Vendor to submit reference of customer(s) i.e. contact name, contact no. e-mail ID etc. where similar or higher capacity MAGNETIC LIFTER have been supplied by the vendor or their principal (through any authorised vendor by principal, authorization certificate of the supplying agency from OEM required, if other than the participating supplier was supplied) of last two years effective from date of opening of the tender, mentioning the model/part No of the supplied magnetic lifter, along with offer else offer is technically disqualified. | Vendor to submitted any documentary evidence i.e. (in price PO) copy or invoice copy. |                             |  |

Md. Khuram  
24/10/19

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4.3 Bidder has to submit the following detail documents for capability and resources assessment:

| 4.4 Capability with respect to personal equipment & manufacturing facility along with relevant credential                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vendor to confirm & Submit    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| (A) Financial standing through latest 100 C annual report (Balance sheet & Profit & Loss accounts for last 3 years OR<br>Profit & Loss account transaction in case of small scale industry/Vendor those not comes under the provision of audit as per government income tax rules & V/S/V/G/S/S, and have to submit self-certified trading account transaction of last three years)<br>OR<br>Party registered in BHEL, BHELPA, with permanent vendor code should be opted to last three year PO executed to BHEL, BHELPA, with cumulative value equal to order value. |                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vendor to confirm & Submit    |
| 4.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Annual turn over of the firm/OEM should be avg. 1,00,000 INR per annum in line with clause 4.3(B)                                                                                                                                                                                                                                                                                                                                          | Vendor to confirm             |
| 4.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | OEM must have an experience of at least 10 years in manufacture of magnetic lifter in line with clause 4.3(A)                                                                                                                                                                                                                                                                                                                              | Vendor to confirm             |
| 4.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Detailed printed catalogue containing technical details, Model/Part No of the magnetic lifter should be submitted along with the offer failing which offer is treated as technically incomplete and liable to be rejected and no correspondence will be made entertained in this regard.                                                                                                                                                   | Vendor to submitted           |
| <b>5 SCOPE OF SUPPLY:-</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |
| 5.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Magnetic lifter Capacity: 200, 300 & 600 Kg                                                                                                                                                                                                                                                                                                                                                                                                | Vendor to confirm             |
| 5.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Operating manual                                                                                                                                                                                                                                                                                                                                                                                                                           | Vendor to confirm             |
| 5.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Test & Guarantee Certificates                                                                                                                                                                                                                                                                                                                                                                                                              | Vendor to confirm             |
| 5.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BHEL reserves the right to seeking technical clarifications against any deviations/incomplete qualifying conditions received from the bidder upto the satisfactory level. If the clarification is not received within specified date & time, offer will be treated as technically incomplete and liable to be rejected without notice to the vendor.                                                                                       | Vendor to note                |
| 5.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BHEL reserves the right to verify information provided by vendor. In case the information provided by vendor is found to be false/incorrect, the offer shall be rejected.                                                                                                                                                                                                                                                                  | Vendor to note                |
| 5.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Approximate time of delivery 05-07 weeks (fix-works). However 2 week shall be given delivery term as FOR BHEL, Bhopal works. Delivery beyond 9 weeks shall be technically rejected without intimation to the vendor. However delivery date will be extended in equal proportionate caused by delayed in attend of safety inspection by BHEL, safety engineer with 15 days lead time from the date of inspection call raised by the vendor. | Vendor to Confirm and specify |

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24/10/19

श्री. प्रमोद कुमार / HOD HAMMAD EKRAM  
OR Secretary to Genl/Dy Manager (Proc)  
Genl. M. R. Mishra / HODM Division  
द्वारा जारी, भोपाल / BHEL, Bhopal