**REQUEST FOR QUOTATION**

BHARAT HEAVY ELECTRICALS LIMITED  
Electronics Division  
PB No. 2606, Mysore Road Bangalore - 560026  
INDIA

<table>
<thead>
<tr>
<th>RFQ NUMBER:</th>
<th>ANK0000232</th>
</tr>
</thead>
<tbody>
<tr>
<td>RFQ DATE:</td>
<td>04.06.2019</td>
</tr>
<tr>
<td>Due Date/Day:</td>
<td>12.06.2019 WED</td>
</tr>
<tr>
<td>Time :</td>
<td>13:00 HRS</td>
</tr>
<tr>
<td>Tender Box :</td>
<td>Reception Area</td>
</tr>
<tr>
<td>Opening Venue:</td>
<td>NEW ENGG. BLDG</td>
</tr>
<tr>
<td>(address for communication):</td>
<td>(for all correspondence)</td>
</tr>
<tr>
<td>Purchase Executive : Ankita Reja</td>
<td></td>
</tr>
<tr>
<td>Phone : 08025146134</td>
<td></td>
</tr>
<tr>
<td>Fax :</td>
<td></td>
</tr>
<tr>
<td>E-mail: <a href="mailto:ankitareja@bhel.in">ankitareja@bhel.in</a></td>
<td></td>
</tr>
</tbody>
</table>

1. Please drop your offer before due date & time in the tender at the reception of BHEL-ESD, Electronic city-1, Bangalore.
2. Offers by e-mail are also accepted. The offers by Email shall be sent to Email ID definedmm@bhel.in with subject line RFQ: ANK0000232.
3. Quotations and Items Items should be delivered to:
   BHEL-ESD,
   PLOT NO 98,
   ELECTRONIC CITY PHASE 1,
   HOSUR ROAD,
   BANGALORE-560100,
   KARNATAKA.

4. Sl No. | Description | Qty | Unit | Delivery qty | Delivery Date |
---------|-------------|-----|------|--------------|---------------|
1        | LI0679050477 5Ah Positive Metal comb | 300 | NO  | 300          | 29.07.2019    |
   * HSN/SAC : 3801 5Ah Positive Metal comb used in Li Ion Cell |
2        | LI0679050485 5AH Negative Metal comb | 300 | NO  | 300          | 29.07.2019    |
   * HSN/SAC : 3801 5AH Negative metal comb used in Li Ion cell |
3        | LI0679050493 100 AH POSITIVE METAL COMB | 100 | NO  | 100          | 29.07.2019    |
   * HSN/SAC : 3801 100 AH POSITIVE METAL COMB USED IN LI ION CELL |
4        | LI0679050501 100 AH NEGATIVE COMB | 100 | NO  | 100          | 29.07.2019    |
   * HSN/SAC : 3801 100 AH NEGATIVE COMB USED IN LI ION CELL |
5        | LI0679050519 5AH POSITIVE STUD | 300 | NO  | 300          | 29.07.2019    |
   * HSN/SAC : 3801 5AH POSITIVE STUD USED IN LI ION CELL |
6        | LI0679050527 5 AH NEGATIVE STUD | 300 | NO  | 300          | 29.07.2019    |
   * HSN/SAC : 3801 5 AH NEGATIVE COMB USED IN LI ION CELL |

Total Number of Items -  6

**TWO PART BID - SUBMIT TECHNICAL AND PRICE BID IN SEPARATE SEALED COVERS**

**NOTES:**

1. This RFQ is governed by:
   a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions)
   b) Any other specific Terms and Conditions mentioned.
2. Bidders / Representatives who would like to be present during opening of offers are required to furnish authorization letter for the same.
   * The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

Ankita Reja  
Ctrl Eqpment - ESD

1 OF 2
REQUEST FOR QUOTATION

BHARAT HEAVY ELECTRICALS LIMITED
Electronics Division
PB No. 2606, Mysore Road Bangalore - 560026
INDIA

RFQ NUMBER: ANK0000232
RFQ DATE: 04.06.2019

Due Date/Day: 12.06.2019 WED
Time : 13:00 HRS
Tender Box : Reception Area
Opening Venue: NEW ENGG. BLDG

NOTE:
1. This RFQ is governed by:
   a) INSTRUCTIONS TO BIDDERS/SELLERS and GENERAL CONDITIONS OF CONTRACT FOR
      PURCHASE available at http://edn.bhel.com (RFQ-PO Terms & Conditions)
   b) Any other specific Terms and Conditions mentioned.

2. Bidders / Representatives who would like to be present during opening of offers are required to
   furnish authorization letter for the same.

* The HSN/SAC no mentioned against the line items in the RFQ are indicative only.

For and On behalf of BHEL.

Ankita Reja
Ctrl Eqmnt - ESD
1. The quotation is to be submitted in two parts “Techno-commercial bid and PQC bid” & “Price Bid” separately. Bid Shall Be Submitted As Per The Instruction Given In ITB & GCC - Instructions to bidders & General Terms and conditions.

2. Please drop your offer before due date & time in the tender box named “WEDNESDAY” kept at the reception of BHEL-ESD, Electronic city, Bangalore.

3. QUOTATIONS SHOULD BE SENT TO:
   BHEL-ESD, PLOT NO. #98, ELECTRONIC CITY PHASE 1, HOSUR ROAD, BANGALORE- 560100.

4. Offers by e-mail are also accepted. Offers by email should contain separate files for techno-commercial, PQC and price bids. The offers by Email shall be sent to Email ID defnesdmm@bhel.in with the subject ANK0000232_Metal combs and studs _12.06.2019 Wednesday.

5. Tender opening Time is 01:30 PM on the tender due date, Place: Tender opening room @ BHEL-ESD, Electronic city Phase-1, Bangalore.

6. Please indicate the price both in figures and words clearly.

7. Please Quote Price Bid As Per Price Bid Format Enclosed.


9. Any deviations from or additions to the ITB & GCC - Instructions to bidders & GCC - Instructions to bidders require BHEL's express written consent. The general terms of business or sale of the bidder shall not apply to this tender.

10. Non acceptance / deviations if any to the terms and conditions of the RFQ shall be clearly and explicitly mentioned in the offer, otherwise it will be treated that all the terms and conditions of the RFQ are accepted by the bidder in total.

11. Items to be manufactured and delivered as per PS-263-060

12. Following Documents are attached:
   i. ITB & GCC - Instructions to bidders & General Terms and conditions
   ii. Commercial Terms ANNEXURE-A
   iii. Price Bid Format
   iv. Purchase Specification

13. Items should be delivered to
   BHEL-ESD,
   Plot #98,
   Electronic City Phase 1,
   Hosur Road,
   Bangalore- 560100.
**Commercial Terms Discussion for ANK0000232**

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>BHEL Terms</th>
<th>Complied (Yes/No)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Payment Terms-For quotes in INR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100% within 45 days after receipt and acceptance of material</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Payment Terms-For quotes other than INR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>100% against sight draft with 45 days credit on negotiation of complete set of documents.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Penalty</td>
<td></td>
<td>(0.5% per week on the basic value of the undelivered quantity max upto 10%)</td>
</tr>
<tr>
<td>4</td>
<td>Delivery time</td>
<td></td>
<td>8 weeks from the date of PO</td>
</tr>
<tr>
<td>5</td>
<td>Price Firm</td>
<td></td>
<td>(PVC not acceptable- Prices should be firm till execution of order)</td>
</tr>
<tr>
<td>6</td>
<td>Packing And Forwarding By Supplier</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Delivery Terms:</td>
<td></td>
<td>For quotes in INR-Free Door Delivery at BHEL ESD, Electronic City</td>
</tr>
<tr>
<td>8</td>
<td>Delivery Terms:</td>
<td></td>
<td>For quotes other than INR-FCA International Gateway Airport (For shipment by air, Refer Annexure II for details) OR CIF, ICD Bangalore. Port of discharge either Mumbai/Chennai (for shipment by sea)</td>
</tr>
<tr>
<td>9</td>
<td>Offer Validity</td>
<td></td>
<td>(90 days from the tender opening)</td>
</tr>
<tr>
<td>10</td>
<td>Taxes &amp; duties to be mentioned in offer (Applicable GST%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>HSN Code</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Documents to be submitted along with supply of items.Confirmation for the same is required in technical offer.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a</td>
<td>Dimension Report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b</td>
<td>Certificate of Conformance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c</td>
<td>Certificate of Raw Materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Description</td>
<td>Quantity</td>
<td>Currency</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------------------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>1</td>
<td>LI0679050477 5Ah Positive Metal Comb</td>
<td>300 NO</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>LI0679050485 5AH Negative Metal Comb</td>
<td>300 NO</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>LI0679050493 100AH Positive Metal Comb</td>
<td>100 NO</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>LI0679050501 100AH Negative Comb</td>
<td>100 NO</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>LI0679050519 5AH Positive Stud</td>
<td>300 NO</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>LI0679050527 5AH Negative Stud</td>
<td>300 NO</td>
<td></td>
</tr>
</tbody>
</table>

GST (if applicable indicating %)  

Total cost including equipment and applicable taxes (in figures)  

Total cost including equipment and applicable taxes (in words)
PURCHASE SPECIFICATION FOR
Li Ion CELL COMPONENTS

EQUIPMENT: Li Ion CELL COMPONENTS- Metal combs & studs

REVISION HISTORY SHEET

<table>
<thead>
<tr>
<th>REV NO</th>
<th>DATE</th>
<th>NATURE OF CHANGE</th>
<th>REASON</th>
<th>PREPARED BY</th>
<th>APPROVED BY</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td></td>
<td>New Issue</td>
<td></td>
<td>Kaushal Jha</td>
<td>Ripandeep Singh</td>
</tr>
</tbody>
</table>

REVISION: 00

APPROVED
Ripandeep Singh

PREPARED
Kaushal Jha

ISSUED
ENGG

DATE
31-05-2019

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
PRE-QUALIFICATION CRITERIA FOR LI ION CELL COMPONENTS

- The vendor shall have the required machining facilities to fabricate specified components.
- The vendor shall arrange to buy the raw materials as per BHEL specs & furnish the test certificates for same as required.
- Vendor has to do a Dimensional inspection of the fabricated components and submit the report to BHEL.
- Vendor has to design and realize the necessary jigs & fixtures/ dies to manufacture BHEL components.
- BHEL reserves the right to visit the vendor facilities before placing the order.
- Vendor has to agree to submit a sample before proceeding with actual fabrication of required quantities.
- Above conditions are not met, offer is liable for rejection.
SCOPE

This document establishes the specifications for the design, fabrication & supply of Li Ion Cell components as per details below. The components shall be delivered to BHEL, Electronics Systems Division, Electronic City, Bangalore.

Technical Specification

- The components shall be fabricated using material as per the table given below. Supplier has to furnish the test report to compliance of material.
- General tolerance shall be assumed for dimension for which tolerance is not specified.

<table>
<thead>
<tr>
<th>ITEM No</th>
<th>DESCRIPTION</th>
<th>Material</th>
<th>DRG REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Positive Metal comb- 5Ah</td>
<td>AA1050</td>
<td>Drg-1</td>
</tr>
<tr>
<td>2.</td>
<td>Negative Metal – 5Ah</td>
<td>Cu10100</td>
<td>Drg-2</td>
</tr>
<tr>
<td>3.</td>
<td>Positive Metal comb- 100Ah</td>
<td>AA1050</td>
<td>Drg-3</td>
</tr>
<tr>
<td>4.</td>
<td>Negative Metal – 100Ah</td>
<td>Cu10100</td>
<td>Drg-4</td>
</tr>
<tr>
<td>5.</td>
<td>Positive Stud- 5Ah</td>
<td>AA3003</td>
<td>Drg-5</td>
</tr>
<tr>
<td>6.</td>
<td>Negative Stud- 5 Ah</td>
<td>Cu10100</td>
<td>Drg-6</td>
</tr>
</tbody>
</table>

COPY RIGHT AND CONFIDENTIAL

The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
PURCHASE SPECIFICATION FOR
Li Ion CELL COMPONENTS

DRG-1: POSITIVE METAL COMB 5AH

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
DRG-2: NEGATIVE METAL COMB 5AH
PURCHASE SPECIFICATION FOR Li Ion CELL COMPONENTS

DRG-3: POSITIVE METAL COMB 100 AH

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
PURCHASE SPECIFICATION FOR
Li Ion CELL COMPONENTS

DRG-4: NEGATIVE METAL COMB 100 AH

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
DRG-6: NEGATIVE METAL STUD 5 AH

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.
PURCHASE SPECIFICATION FOR
Li Ion CELL COMPONENTS

ACCEPTANCE CRITERIA

1. Raw material certificates for Chemical analysis & Mechanical properties.
2. Dimensional Inspection report.
3. In case BHEL wants a sample to be submitted all components shall be manufactured only after sample approval by BHEL.
4. Vendor has to give a PSI call to BHEL for inspection of components at vendor’s works. After successful completion of PSI only, vendor shall dispatch the components to BHEL.

   General

   a. Vendor shall not use any oil/ lubricant for machining of components. Only IPA may be used for cleaning.

   b. Vendor to ensure suitable packing of the components for preventing any damage to components during transit and also to protect the components from environment.

COPY RIGHT AND CONFIDENTIAL
The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in anyway detrimental to the interest to the company.