

**Volume - I**

**TENDER NOTIFICATION FOR**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND  
FOUR POLE MCCB (100 AMP) WITH BOX**

**CMC/BR/23-24/RB/PR/GP/1165**

**Date : 14.10.2023**

**Due Date for Submission of Bids : 04.11.2023**

**BSES RAJDHANI POWER LTD (BRPL)  
BSES Bhawan, Nehru Place, New Delhi-110019  
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Telephone Number: +91 11 49207235  
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**Section - I**

**REQUEST FOR QUOTATION**

**Tender Notification : CMC/BR/23-24/RB/PR/GP/1165**

**Event : RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND FOUR  
POLE MCCB (100 AMP) WITH BOX**

**Dated : 14.10.2023**

**SECTION – I: REQUEST FOR QUOTATION****1.00 Event Information**

BRPL invites sealed tenders for “Rate contract for supply of double pole MCB (63 Amp) with box and four pole MCCB (100 Amp) with box” .The bidder must qualify the technical requirements as specified in clause 2.0 stated below.The sealed envelopes shall be duly superscribed as —“Rate contract for supply of double pole MCB (63 Amp) with box and four pole MCCB (100 Amp) with box”. As Per Tender Notice-CMC/BR/23-24/RB/PR/GP/1165 “Due For Submission on dt. 04.11.2023”.

Sl. No.	Item Description	Specification	Requirement	Estimated Cost
			Total Qty (Nos)	
BRPL,DELHI				
1	Double pole MCB 63, 10 KA, B curve with Box	SECTION V	34000	9.60 Crores
2	100 A Four Pole MCCB, 10 KA (MCCB with box)	SECTION V	34000	

**Note:**

- Quantity may vary to any extent of +/- 30% of above mentioned total quantity.
- The rates quoted shall remain valid for 18 months from the date of LOI/RC.

**1.02** The schedule of specifications with detail terms & conditions can be obtained from address given below against demand draft/Pay Order of **Rs.1180/-**, drawn in favour of **BSES RAJDHANI POWER LTD**, payable at New Delhi. The sale of tender documents will be issued from 14.10.2023 onwards on all working days upto 04.11.2023. The tender documents can also be downloaded from the website “[www.bsesdelhi.com](http://www.bsesdelhi.com)”.

In case tender papers are downloaded from the above website, then the bidder has to enclose a demand draft covering the cost of bid documents as stated above in a separate envelope with suitable superscription —“Cost of Bid Documents: Tender **Notice Ref: CMC/BR/23-24/RB/PR/GP/1165**”.This envelope should accompany the Bid Documents.

**1.03** Offers will be received upto **15:00 Hrs. on dt. 04.11.2023** as indicated earlier and will be opened at the address given below dt **04.11.2023 at 15:15 Hrs.** in the presence of authorized representatives of the bidders.The schedule of specifications with detail terms & conditions are enclosed. It is the sole responsibility of the bidder to ensure that the bid documents reach this office on or before the due date.

**HEAD OF THE DEPARTMENT,  
1<sup>st</sup> FLOOR, 'C' BLOCK,  
CONTRACTS & MATERIALS DEPARTMENT,  
BSES RAJDHANI POWER LTD,  
BSES BHAWAN,  
NEHRU PLACE, NEW DELHI-110019.**

**1.04** BRPL reserves the right to accept/reject any or all Tenders without assigning any reason thereof and alter the quantity of materials mentioned in the Tender documents at the time of placing purchase orders. Tender will be summarily rejected if:

(i). Earnest Money Deposit (EMD) @ 1% (Two percent) of the Tender value i.e **Rs 9,60,000/-** is not deposited in shape of Bank Draft in favour of BSES RAJDHANI POWER LTD, payable at New Delhi or Bank Guarantee executed on favour of BSES RAJDHANI POWER LTD.

(ii). The offer does not contain “FOR, NEW DELHI price indicating break-up towards all taxes & duties”

(iii). Complete Technical details are not enclosed.

(iv). Tender is received after due time due to any reason.

**1.05** BRPL reserves the right to reject any or all bids or cancel/withdraw the invitation for bids without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.time of placing purchase orders.

## 2.0 Qualification Criteria:-

The prospective bidder must qualify all of the following requirements to be eligible to participate in the bidding Bidders who meet following requirements will be considered as successful bidder and management has a right to disqualify those bidders who do not meet these requirements.

Sr.No	Qualification Criteria	QR	Document to be submitted
1	Manufacturing Facility	The bidder should have own manufacturing facilities in India for MCB/MCCBs/SMC enclosure since last three (03) FY. Or The bidder should be an authorized panel/enclosure manufacturer of MCB/MCCB/SMC (OEM) established in India since last 3 years. If the Bidder is an authorized panel/enclosure manufacturer of OEM, a letter of authorization from OEM shall be submitted along with the bid. Also, such bidder shall submit a backup warranty from OEM along with bid on NIT terms & conditions.	Manufacturing and factory incorporation certificate / Undertaking .The details of manufacturing units, locations and works from where supply against this tender shall be proposed to be furnished.
2	Supply List	The bidder should have supplied minimum 10,000 numbers of MCB/ MCCB in last 5 years from the date of bid opening to any utilities/SEB's/PSU's/ <b>reputed company</b>	i. Summary list of executed Purchase orders, ii. Purchase order copies iii Material delivery clearance certificate copy or Delivery completion certificates or Invoice Copies
3	Plant Installed Capacity	The bidder should have manufacturing capacity of minimum 3000 Nos MCB / MCCB per month	Self Undertaking
4	Performance Certificate	Performance certificate for minimum 2 year satisfactory performance for MCB/MCCB supplied in last 7 years from the date of bid opening from at least two utilities/ SEBs/PSUs / <b>reputed company</b> . In case of bidder has a previous association with BRPL/BYPL for similar product and service,the performance feedback for that bidder by BRPL/BYPL shall only be considered irrespective of performance certificate issued by any third organization.	Performance certificates
5	ISO Certificate	The bidder must possess valid ISO 9001: 2015 certifications	Valid copy of Certification
6	Turnover Certificate	Bidder should have Average Annual Sales Turnover of Rs 10 Crores or more in last three (3) Financial Years (i.e., FY 2020-21, 2021-22 & 2022-23 ).	Balance Sheet / Duly certified CA certificate to be submitted
7	Undertaking-Servicing & Repairing	The bidder should have servicing, repairing, testing & refurbishment facility in INDIA with necessary spares and testing equipments for providing prompt after sales service for MCB / MCCB..- Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. The bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).	Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. the bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).
9	Undertaking-Blacklisting	An undertaking (self-certificate) that the bidder has not been <b>Blacklisted/debarred</b> by any central/state government institution/Electricity utilities as on date of bid opening.	Self Undertaking
10	Undertaking-Litigation	The Bidder shall submit an undertaking that <b>"No Litigation"</b> is pending with the BRPL or its Group/Associates Companies as on date of bid opening	Self Undertaking

11	Statuary Compliance	The bidder must have valid PAN No. and GST Registration Number, in addition to other statutory compliances. The bidder must submit a copy of registrations and submit an undertaking that the bidder shall comply all the statutory compliances as per the laws/rules etc. before the start of the supply/work	Relevant Statutory Documents Copy/Self Undertaking
12		In case bidder is an authorized partner from panel/enclosure manufacturer of MCB/MCCB manufacturer (OEM) established in India since last 3 years; the credentials of the OEM can be submitted as compliance to the QC requirements mentioned above against below mentioned points:	
12.1	Supply List	The bidder should have supplied minimum 10,000 numbers of MCB/ MCCB in last 5 years from the date of bid opening to any utilities/SEB's/PSU's/reputed company	i. Summary list of executed Purchase orders, ii. Purchase order copies iii Material delivery clearance certificate copy or Delivery completion certificates or Invoice Copies
12.2	Performance Certificate	Performance certificate for minimum 2 year satisfactory performance for MCB/MCCB supplied in last 7 years from the date of bid opening from at least two utilities/ SEBs/PSUs / reputed company. In case of bidder has a previous association with BRPL/BYPL for similar product and service,the performance feedback for that bidder by BRPL/BYPL shall only be considered irrespective of performance certificate issued by any third organization.	Performance certificates
12.3	Undertaking-Servicing & Repairing	The bidder should have servicing, repairing, testing & refurbishment facility in INDIA with necessary spares and testing equipments for providing prompt after sales service for MCB / MCCB.- Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. The bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).	Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. the bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).
12.4	Plant Installed Capacity	The bidder should have manufacturing capacity of minimum 3000 Nos MCB / MCCB per month	Self Undertaking

### 3.00 Bidding and Award Process

Bidders are requested to submit their questions regarding the RFQ or the bidding process after review of this RFQ. BRPL response to the questions raised by various bidders will be distributed to all participating bidders through website .

#### a. Time schedule of the bidding process

The bidders on this RFQ package should complete the following within the dates specified as under:

S. No.	Steps	Activity description	Due date
1	Technical Queries	<ul style="list-style-type: none"> <li>▪ All Queries related to RFQ</li> </ul>	On or before 04.11.2023 15:00 Hrs
2	Technical Offer	<ul style="list-style-type: none"> <li>• Documentary evidence in support of qualifying criteria.</li> <li>• Technical Literature/GTP/Drawings/Type test report if any etc</li> <li>• Testing facilities</li> <li>• Any other relevant document</li> <li>• Acceptance to commercial terms &amp; conditions viz delivery Schedule/Period , Payment terms , BG etc.</li> <li>• Quality assurance plan , Deviation from the specs , list of plant &amp; machinery and testing equipments</li> <li>• Unpriced items</li> </ul>	04.11.2023, At 15:00 Hrs
3	Commercial Offer	<ul style="list-style-type: none"> <li>• Prices for Metering Cubicle and.</li> <li>• Break up regarding basic price and taxes.</li> <li>• Delivery commitment</li> </ul>	04.11.2023, At 15:00 Hrs
4	Performance Guarantee Quality System Report	<ul style="list-style-type: none"> <li>• As per RFQ</li> </ul>	Only for successful bidders
5	Opening of technical bid	<ul style="list-style-type: none"> <li>• As per RFQ</li> </ul>	04.11.2023, 15:15 HRS

This is a two part bid process. Bidders are to submit the bids a) Technical Bid b) Price Bid. Both these parts should be furnished in separate sealed covers superscribing specification no. validity etc, with particulars as **Part-I Technical Particulars & Commercial Terms & Conditions** and **Part-II "Financial bid"** and these sealed envelopes should again be placed in another sealed cover which shall be submitted before the due date & time specified.

**Bidders are requested to submit the bid in one original plus one copy in duplicate.**

**The Part Technical Bid – I** Eligibility and Technical Bid should not contain any cost information whatsoever.

In case of Bids where the qualification requirements, technical suitability and other requirements are found to be inadequate, Part-II "Financial Bid" will be returned unopened.

**The Part Financial Bid - II.** Qualified bidders will be intimated after technical evaluation of all the bids is completed. The date and time of same shall be intimated in due course to the qualified bidders. Notwithstanding anything stated above, the Purchaser reserves the right to assess bidders capability to perform the contract, should the circumstances warrant such assessment in the overall interest of the purchaser. In this regard the decision of the purchaser is final.

#### **Part –III: E- Bidding and Reverse Auction through SAP-SRM Module**

Purchaser reserves the right to use the reverse auction through SAP-SRM tool as an integral part of the entire tendering process. All the bidders who are techno-commercial qualified on the basis of tender requirements shall participate in reverse auction.

Notwithstanding anything stated above, the Purchaser reserves the right to assess bidders capability to perform the contract, should the circumstances warrant such assessment in the overall interest of the purchaser. In this regard the decision of the purchaser is final.

#### **4.00 Award Decision**

Purchaser intends to award the business on a lowest bid basis, so suppliers are encouraged to bid competitively. The decision to place purchase order / letter of acceptance solely depends on purchaser on the cost competitiveness across multiple lots, quality, delivery and bidder's capacity, in addition to other factors that Purchaser may deem relevant.

The purchaser reserves all the rights to award the contract to one or more bidders so as to meet the delivery requirement or nullify the award decision without any reason.

BSES reserves the right to split the tender quantity amongst techno commercially qualified bidders on account of delivery requirement in tender, quantity under procurement etc.

- Splitting of tender quantity amongst more than one bidder shall be governed by below mentioned guidelines:
- If the quantity is to be split among 2 bidders, it will be done in the ratio of **70:30 on L1 price**.
- If the quantity is to be split among 3 bidders, it will be done in the ratio of **60:25:15 on L1 price**.

In the event of your bid being selected by purchaser (and / or its affiliates) and your subsequent DEFAULT on your bid; you will be required to pay purchaser (and / or its affiliates) an amount equal to the difference in your bid and the next lowest bid on the quantity declared in RFQ.

In case any supplier is found unsatisfactory during the delivery process, the award will be cancelled and BRPL reserves the right to award other suppliers who are found fit.

**Qty Variation** : The purchaser reserves the rights to vary the quantity by +/- 30% of the tender quantity.

Purchaser at his own discretion may consider to award trial order (as per BRPL trail order policy) to bidders those not meeting financial & technical criteria mentioned at point nos. 3 & 6 at clause no. 2.0 (Qualification Criteria) . However, bidders need to meet out other terms and conditions mentioned at clause no. 2.0 (Qualification Criteria).

**Repeat Order** : BRPL reserves the right to place repeat order at the same rates & terms and conditions as per this tender against additional requirement subject to mutual agreement between BRPL & supplier.

#### 5.00 Market Integrity

We have a fair and competitive marketplace. The rules for bidders are outlined in the Terms & Conditions. Bidders must agree to these rules prior to participating. In addition to other remedies available, we reserves the right to exclude a bidder from participating in future markets due to the bidder's violation of any of the rules or obligations contained in the Terms & Condition. Bidders who violate the marketplace rules or engage in behavior that disrupts the fair execution of the marketplace restricts a bidder to length of time, depending upon the seriousness of the violation. Examples of violations include, but are not limited to:

- Failure to honor prices submitted to the marketplace.
- Breach of the terms of the published in Request For Quotation.

#### 6.00 Supplier Confidentiality

All information contained in this RFQ is confidential and may not be disclosed, published or advertised in any manner without written authorization from BRPL. This includes all bidding information submitted .

All RFQ documents remain the property of BRPL and all suppliers are required to return these documents to BRPL upon request.

Suppliers who do not honor these confidentiality provisions will be excluded from participating in future bidding events.

#### 7.0 Contact Information

All communication as regards this RFQ shall be made (i) in English, (ii) in writing and (iii) sent by mail, facsimile to

	Technical	Commercial
Contact Name	<b>Mr. Amit Tomar</b> <b>Copy to Mr. Gopal Naria</b>	<b>Mr. Goutam Kumar Pathak</b> <b>Copy to Ms. Rachna Jain</b>
Address	2 <sup>nd</sup> Floor , B-Block, BSES Bhawan Nehru Place , New Delhi -111019	1 <sup>st</sup> Floor , D-Block, BSES Bhawan Nehru Place , New Delhi -111019
Email Id	<a href="mailto:Amit.As.Tomar@relianceada.com">Amit.As.Tomar@relianceada.com</a> <a href="mailto:gopal.naria@relianceada.com">gopal.naria@relianceada.com</a>	<a href="mailto:goutam.pathak@relianceada.com">goutam.pathak@relianceada.com</a> <a href="mailto:rachna.jain@relianceada.com">rachna.jain@relianceada.com</a>

**SECTION – II**

**INSTRUCTION TO BIDDERS (ITB)**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX  
AND FOUR POLE MCCB (100 AMP) WITH BOX**

**CMC/BR/23-24/RB/PR/GP/1165**

**Date : 14.10.2023**

**A. GENERAL**

**1.00** BSES Rajdhani power Ltd ,hereinafter referred to as the Purchaser“are desirous of implementing the various Systems Improvement/Repair & Maintenance works at their respective licensed area in Delhi The Purchaser has now floated this tender for procurement of Metering Cubicle as notified earlier in this bid document

**2.00 SCOPE OF WORK**

The scope shall includes supply of metering cubicles which covers Design, Manufacture,Testing at works conforming to the Technical Specifications enclosed along with Packing,Forwarding,Freight and Unloading and proper stacking at Purchaser’s stores.

**3.00 DISCLAIMER**

3.01 This Document includes statements, which reflect various assumptions, which may or may not be correct. Each Bidder/Bidding Consortium should conduct its own estimation and analysis and should check the accuracy,reliability and completeness of the information in this Document and obtain independent advice from appropriate sources in their own interest.

3.02 Neither Purchaser nor its employees will have any liability whatsoever to any Bidder or any other person under the law or contract, the principles of restitution or unjust enrichment or otherwise for any loss, expense or damage whatsoever which may arise from or be incurred or suffered in connection with anything contained in this Document,any matter deemed to form part of this Document, provision of Services and any other information supplied by or on behalf of Purchaser or its employees, or otherwise a rising in anyway from the selection process for the Supply.

3.03 Though adequate care has been taken while issuing the Bid document,the Bidder should satisfy itself that Documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately.

3.04 This Document and the information contained herein are Strictly Confidential and are for the use of only the person(s) to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient’s professional advisors).

**4 COST OF BIDDING**

The Bidder shall bear all cost associated with the preparation and submission of its Bid and Purchaser will in no case be responsible or liable for those costs. **Further the purchaser has the right to get sample of distribution box tested by any reputed independent test lab (approved by BRPL) at the cost of bidder.**

**B. BIDDING DOCUMENTS****5.0 BIDDING DOCUMENTS**

5.01 The Scope of Work, Bidding Procedures and Contract Terms are described in the Bidding Documents. In addition to the covering letter accompanying Bidding Documents, the Bidding Documents include:

**Volume -I**

- |                                       |                 |
|---------------------------------------|-----------------|
| (a) Request for Quotation (RFQ)       | - Section - I   |
| (b) Instructions to Bidders (ITB)     | - Section – II  |
| (c) General Conditions of Contract    | - Section - III |
| (d) Quantity and delivery requirement | - Section –IV   |
| (e) Technical Specifications (TS)     | - Section –V    |

**Volume - II**

- |                                   |                 |
|-----------------------------------|-----------------|
| (a) Bid Form                      | - Annexure -I   |
| (b) Bid Format                    | - Annexure -II  |
| (c) Price Schedule                | - Annexure –III |
| (d) Commercial Terms & Conditions | - Annexure - IV |
| (e) No Deviation Sheet            | - Annexure -V   |
| (f) Qualification Criterion       | - Annexure- VI  |

5.02 The Bidder is expected to examine the Bidding Documents, including all Instructions, Forms, Terms and specifications. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect will may result in the rejection of the Bid.

## 6.0 AMENDMENT OF BIDDING DOCUMENTS

6.01 At any time prior to the deadline for submission of Bids, the Purchaser may for any reasons, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents by Amendment.

6.02 The Amendment shall be part of the Bidding Documents, pursuant to Clause 5.01, and it will be notified in writing by Fax/e-mail to all the Bidders who have received the Bidding Documents and confirmed their participation to Bid, and will be binding on them.

6.03 In order to afford prospective Bidders reasonable time in which to take the Amendment into account in preparing their Bids, the Purchaser may, at its discretion, extend the deadline for the submission of Bids.

## C. PREPARATION OF BIDS

### 7.0 LANGUAGE OF BID

The Bid prepared by the Bidder, and all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the English Language. Any printed literature furnished by the Bidder may be written in another Language, provided that this literature is accompanied by an English translation, in which case, for purposes of interpretation of the Bid, the English translation shall govern.

### 8.0 DOCUMENTS COMPRISING THE BID

The Bid prepared and submitted by the Bidder shall comprise the following components:

- (a) Bid Form, Price & other Schedules (STRICTLY AS PER FORMAT) and Technical Data Sheets completed in accordance with Clause 9.0, 10.0, 11.0 and Technical Specification;
- (b) All the Bids must be accompanied with the required EMD as mentioned in the Section-I against each tender.
- (c) **Power of Attorney or Authorization letter indicating that the person(s) signing the Bid have the authority to sign the Bid and thus that the Bid is binding upon the Bidder during the full period of its validity, in accordance with clause 12.0.**

### 9.0 BID FORM

9.01 The Bidder shall complete an "Original" and another one "Copy" of the Bid Form and the appropriate Price & Other Schedules and Technical Data Sheets.

### 9.02 EMD

Pursuant to Clause 8.0(b) above, the bidder shall furnish, as part of its bid, a EMD amounting to 1% of the total bid value (FOR Destination) i.e **Rs 9,60,000/-**. The EMD is required to protect the Purchaser against the risk of Bidder's conduct which would warrant the security's forfeiture.

The EMD shall be denominated in the currency of the bid, and shall be in the following form :

- (a) A bank guarantee issued by any scheduled bank strictly as per the form at enclosed and shall be valid for a period of thirty (30) days beyond the validity of the bid
- (b) Bank Draft in favour of BSES RAJDHANI POWER LTD, payable at New Delhi.

Unsuccessful bidders' EMD will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity.

The successful bidder's EMD will be discharged upon furnishing the performance security. The EMD may be forfeited :

- (a) if the Bidder:

i) withdraws its bid during the period of bid validity specified by the Bidder in the Bid Form ; or

(b) in the case of a successful Bidder, if the Bidder fails:

(i) to sign the Contract,or

(ii) to furnish the required performance security.

#### 10.0 BID PRICES

10.01 Bidders shall quote for the entire Scope of Supply with a break-up of prices for individual items. The total Bid Price shall also cover all the Supplier's obligations mentioned in or reasonably to be inferred from the Bidding Documents in respect of Design, Supply, Transportation to site, all in accordance with the requirement of Bidding Documents. The Bidder shall complete the appropriate Price Schedules included herein , stating the Unit Price for each item & total Price.

10.02 The prices offered shall be inclusive of all costs as well as Duties, Taxes and Levies paid or payable during execution of the supply work , breakup of price constituents, should be there.

**Prices quoted by the Bidder shall be—Firm “and not subject to any price adjustment during the performance of the Contract. A Bid submitted with an adjustable price quotation will be treated as non -responsive and rejected.**

#### 11.0 BID CURRENCIES

Prices shall be quoted in **Indian Rupees (INR) only.**

#### 12.0 PERIOD OF VALIDITY OF BIDS

12.01 Bids shall remain valid for **120 days** post bid date.

12.02 Notwithstanding Clause 12.01 above, the Purchaser may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and the responses thereto shall be made in writing by Fax/e-mail.

#### 13.0 ALTERNATIVE BIDS

Bidders shall submit Bids, which comply with the Bidding Documents. Alternative Bids will not be considered. The attention of Bidders is drawn to the provisions of Clause 22.03 & 22.04 regarding the rejection of Bids, which are not substantially responsive to the requirements of the Bidding Documents.

#### 14.0 FORMAT AND SIGNING OF BID

14.01 The original Bid Form and accompanying documents (as specified in Clause 9.0), clearly marked "Original Bid", plus one copy must be received by the Purchaser at the date, time and place specified pursuant to Clauses 15.0 and 16.0. In the event of any discrepancy between the original and the copies, the original shall govern.

14.02 The original and copy of the Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to sign on behalf of the Bidder. Such authorization shall be indicated by written Power-of-Authority accompanying the Bid.

14.03 The Bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be initialed by the person or persons signing the Bid.

#### D. SUBMISSION OF BIDS

##### 15.0 SEALING AND MARKING OF BIDS

15.01 Bid submission: One original & one Copy (hard copies) of all the Bid Documents shall be sealed and submitted to the Purchaser before the closing time for submission of the bid.

15.02 The Technical Documents and the EMD shall be enclosed in a sealed envelope and the said envelope shall be superscribed with — **Technical & EMD**“. The Financial bid shall be inside another sealed envelope with superscription — **Financial Bid** “. Both these envelopes shall be sealed inside another big envelope. All the envelopes should bear the Name and Address of the Bidder and

marking for the Original and Copy. The envelopes should be superscribed with —“**Tender Notice No, Due date of submission, Tender opening date.**”

15.03 The Bidder has the option of sending the Bids in person. Bids submitted by Telex/Telegram /Fax will not be accepted. No request from any Bidder to the Purchaser to collect the proposals from Airlines/Cargo Agents etc shall be entertained by the Purchaser.

#### **16.0 DEADLINE FOR SUBMISSION OF BIDS**

16.01 The original Bid, together with the required copies, must be received by the Purchaser at the address specified not **later than 15:00 HRS on 04.11.2023.**

16.02 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with Clause 9.0, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended

#### **17.0 ONE BID PER BIDDER**

Each Bidder shall submit only one Bid either by itself, or as a partner in a Joint Venture. A Bidder who submits or participates in more than one Bid will cause all those Bids to be rejected.

#### **18.0 LATE BIDS**

Any Bid received by the Purchaser after the deadline for submission of Bids prescribed by the Purchaser, pursuant to Clause 16.0, will be declared "Late" and rejected and returned unopened to the Bidder.

#### **19.0 MODIFICATIONS AND WITHDRAWAL OF BIDS**

19.01 The Bidder is not allowed to modify or withdraw its Bid after the Bid's submission.

### **E. EVALUATION OF BID**

#### **20.0 PROCESS TO BE CONFIDENTIAL**

Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process. Any effort by a Bidder to influence the Purchaser's processing of Bids or award decisions may result in the rejection of the Bidder's Bid.

#### **21.0 CLARIFICATION OF BIDS**

To assist in the examination, evaluation and comparison of Bids, the Purchaser may, at its discretion, ask the bidder for a clarification of its Bid. All responses to requests for clarification shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.

#### **22.0 PRELIMINARY EXAMINATION OF BIDS / RESPONSIVENESS**

22.01 Purchaser will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the Bids are generally in order.

22.02 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price per item that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price per item will be corrected. If there is a discrepancy between the Total Amount and the sum of the total price per item, the sum of the total price per item shall prevail and the Total Amount will be corrected.

22.03 Prior to the detailed evaluation, Purchaser will determine the substantial responsiveness of each Bid to the Bidding Documents including production capability and acceptable quality of the Goods offered. A substantially responsive Bid is one, which conforms to all the terms and conditions of the Bidding Documents without material deviation.

22.04 Bid determined as not substantially responsive will be rejected by the Purchaser and/or the Purchaser and may not subsequently be made responsive by the Bidder by correction of the non-conformity.

## **23.0 EVALUATION AND COMPARISON OF BIDS**

- 23.01 The evaluation of Bids shall be done based on the delivered cost competitiveness basis.
- 23.02 The evaluation of the Bids shall be a stage-wise procedure. The following stages are identified for evaluation purposes: In the first stage, the Bids would be subjected to a responsiveness check. The Technical Proposals and the Conditional ties of the Bidders would be evaluated. Subsequently, the Financial Proposals along with supplementary Financial Proposals, if any, of Bidders with Techno-commercially Acceptable Bids shall be considered for final evaluation .
- 23.03 The Purchaser's evaluation of a Bid will take into account, in addition to the Bid price, the following factors, in the manner and to the extent indicated in this Clause:

(a ) Supply Schedule

(b) Deviations from Bidding Documents

Bidders shall base their Bid price on the terms and conditions specified in the Bidding Documents.

The cost of all quantifiable deviations and omissions from the specification , terms and conditions specified in Bidding Documents shall be evaluated. The Purchaser will make its own assessment of the cost of any deviation for the purpose of ensuring fair comparison of Bids.

- 23.04 Any adjustments in price, which result from the above procedures, shall be added for the purposes of comparative evaluation only to arrive at an "Evaluated Bid Price". Bid Prices quoted by Bidders shall remain unaltered.

## **F. AWARD OF CONTRACT**

### **24.0 CONTACTING THE PURCHASER**

- 24.01 From the time of Bid submission to the time of contract award, if any Bidder wishes to contact the Purchaser on any matter related to the Bid, it should do so in writing.
- 24.02 Any effort by a Bidder to influence the Purchaser and/or in the Purchaser's decisions in respect of Bid evaluation, Bid comparison or Contract Award, will result in the rejection of the Bidder's Bid.

### **25.0 THE PURCHASER 'S RIGHT TO ACCEPT ANY BID AND TO REJECT ANY OR ALL BIDS**

The Purchaser reserves the right to accept or reject any Bid and to annul the Bidding process and reject all Bids at anytime prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action.

### **26.0 AWARD OF CONTRACT**

The Purchaser will award the Contract to the successful Bidder whose Bid has been Determined to be the lowest-evaluated responsive Bid, provided further that the Bidder has been determined to be qualified to satisfactorily perform the Contract. Purchaser reserves the right to award order other bidders in the tender, provided it is required for progress of project & provided he agrees to come to the lowest rate.

### **27.0 THE PURCHASER 'S RIGHT TO VARY QUANTITIES**

The Purchaser reserves the right to vary the quantity i.e. increase or decrease the numbers/quantities without any change in terms and conditions during the execution of the Order.

### **28.0 LETTER OF INTENT/ NOTIFICATION OF AWARD**

The letter of intent/ Notification of Award shall be issued to the successful Bidder whose bids have been considered responsive, techno-commercially acceptable and evaluated to be the lowest (L1). The successful Bidder shall be required to furnish a letter of acceptance within 7 days of issue of the letter of intent /Notification of Award by Purchaser.

### **29.0 PERFORMANCE BANK GUARANTEE**

The successful Bidder shall furnish the Performance Bank Guarantee for an amount of 10% (Ten percent) of the Contract Price in accordance with the format provided. The Performance Bond shall be valid for a period of twenty four (24) months from the date of the commissioning or thirty months (30) from the date of receipt of material (last consignment) at site/stores which ever is earlier plus 3 months towards claim period. Upon submission of the performance security, the EMD shall be released.

**30.0 CORRUPT OR FRADULENT PRACTICES**

30.01 The Purchaser requires that the Bidders observe the highest standard of ethics during the procurement and execution of the Project. In pursuance of this policy, the Purchaser:

(a) Defines, for the purposes of this provision , the terms set forth below as follows:

(i) "Corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them ,or induce others to do so,by misusing the position in which they are placed, and it includes the offering, giving, receiving, orsoliciting of anything of value to influence the action of any such official in the procurement process or in contract execution;and

(ii) "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders(prior to or after Bid submission ) designed to establish Bid prices at artificial non -competitive levels and to deprive the Purchaser of the benefits of free and open competition .

(b) Will reject a proposal forward if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question ;

(c) Will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for,or in executing, a contract.

30.02 Furthermore, Bidders shall be aware of the provision stated in the General Conditions of Contract.

**SECTION – III**

**GENERAL CONDITIONS OF CONTRACT (GCC)**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND  
FOUR POLE MCCB (100 AMP) WITH BOX**

**CMC/BR/23-24/RB/PR/GP/1165**

**Date : 14.10.2023**

**1.0 General Instructions**

- 1.01** All the Bids shall be prepared and submitted in accordance with these instructions.
- 1.02** Bidder shall bear all costs associated with the preparation and delivery of its Bid, and the Purchaser will in no case shall be responsible or liable for these costs.
- 1.03** The Bid should be submitted by the Bidder in whose name the bid document has been issued and under no circumstances it shall be transferred/sold to the other party.
- 1.04** The Purchaser reserves the right to request for any additional information and also reserves the right to reject the proposal of any Bidder, if in the opinion of the Purchaser, the data in support of RFQ requirement is incomplete.
- 1.05** The Bidder is expected to examine all instructions, forms, terms & conditions and specifications in the Bid Documents. Failure to furnish all information required in the Bid Documents or submission of a Bid not substantially responsive to the Bid Documents in every respect may result in rejection of the Bid. However, the Purchaser's decision in regard to the responsiveness and rejection of bids shall be final and binding without any obligation, financial or otherwise, on the Purchaser.

**2.0 Definition Of Terms**

- 2.01** "Purchaser" shall mean BRPL Limited, on whose behalf this bid enquiry is issued by its authorized representative / officers.
- 2.02** "Bidder" shall mean the firm who quotes against this bid enquiry issued by the Purchaser. "Supplier" or "Supplier" shall mean the successful Bidder and/or Bidders whose bid has been accepted by the Purchaser and on whom the "Letter of Acceptance" is placed by the Purchaser and shall include his heirs, legal representatives, successors and permitted assigns wherever the context so admits.
- 2.03** "Supply" and " shall mean the Scope of Contract as described.
- 2.04** "Specification" shall mean collectively all the terms and stipulations contained in those portions of this bid document known as RFQ, Commercial Terms & Condition, Instructions to Bidders, Technical Specifications and the Amendments, Revisions, Deletions or Additions, as may be made by the Purchaser from time to time.
- 2.05** "Letter of Acceptance" shall mean the official notice issued by the Purchaser notifying the Supplier that his proposal has been accepted and it shall include amendments thereto, if any, issued by the Purchaser. The "Letter of Acceptance" issued by the Purchaser shall be binding on the "Supplier" The date of Letter of Acceptance shall be taken as the effective date of the commencement of contract.
- 2.06** "Month" shall mean the calendar month and "Day" shall mean the calendar day.
- 2.07** "Codes and Standards" shall mean all the applicable codes and standards as indicated in the Specification.
- 2.08** "Offer Sheet" shall mean Bidder's firm offer submitted to BRPL in accordance with the specification.
- 2.09** "Contract" shall mean the "Letter of Acceptance" issued by the Purchaser.
- 2.10** "Contract Price" shall mean the price referred to in the "Letter of Acceptance".
- 2.11** "Contract Period" shall mean the period during which the "Contract" shall be executed as agreed between the Supplier and the Purchaser in the Contract inclusive of extended contract period for reason beyond the control of the Supplier and/or Purchaser due to force majeure.
- 2.12** "Acceptance" shall mean and deemed to include one or more of the following as will be stipulated in the specification:
- a) The written acceptance of material by the inspector at suppliers works to ship the materials.
  - b) Acceptance of material at Purchaser site stores after its receipt and due inspection/ testing and release of material acceptance voucher.
  - c) Where the scope of the contract includes supplyg, acceptance shall mean issue of necessary equipment / material takeover receipt after installation & commissioning and final acceptance.

### 3.0 Contract Documents & Priority

- 3.01 Contract Documents: The terms and conditions of the contract shall consist solely of these RFQ conditions and the offer sheet.
- 3.02 Priority: Should there be any discrepancy between any term hereof and any term of the Offer Sheet, the terms of these RFQ shall prevail.

### 4.0 Scope of Supply -General

- 4.01 The "Scope of Supply" shall be on the basis of Bidder's responsibility, completely covering the obligations, responsibility and supplies provided in this Bid enquiry whether implicit or explicit.
- 4.02 Bidder shall have to quote for the Bill of quantities as listed in Section – IV of this RFQ.
- 4.03 Quantity variation and additional requirement if any shall be communicated to successful bidder during project execution.
- 4.04 All relevant drawings, data and instruction manuals.

### 5.0 Quality Assurance and Inspection

- 5.01 Immediately on award of contract, the bidder shall prepare detailed quality assurance plan / test procedure identifying the various stages of manufacture, quality checks performed at each stage, raw material inspection and the Customer hold points. The document shall also furnish details of method of checking, inspection and acceptance standards / values and get the approval of Purchaser before proceeding with manufacturing. However, Purchaser shall have right to review the inspection reports, quality checks and results of suppliers in house inspection department which are not Customer hold points and the supplier shall comply with the remarks made by purchaser or his representative on such reviews with regards to further testing, rectification or rejection, etc.
- 5.02 Witness and Hold points are critical steps in manufacturing, inspection and testing where the supplier is obliged to notify the Purchaser in advance so that it may be witnessed by the Purchaser. Final inspection is a mandatory hold point. The supplier to proceed with the work past a hold point only after clearance by purchaser or a witness waiver letter from BRPL.
- 5.03 The performance of waiver of QA activity by Purchaser at any stage of manufacturing does not relieve the supplier of any obligation to perform in accordance with and meet all the requirements of the procurement documents and also all the codes & reference documents mentioned in the procurement document nor shall it preclude subsequent rejection by the purchaser.
- 5.04 On completion of manufacturing the items can be dispatched only after issue of shipping release by the Purchaser.
- 5.05 All testing and inspection shall be done with out any extra cost.
- 5.06 Purchaser reserve the right to send any material out of the supply to any recognized laboratory for testing and the cost of testing shall be borne by the Purchaser. In case the material is found not in order with the technical requirement / specification, the charges along with any other penalty which may be levied is to be borne by the bidder. To avoid any complaint the supplier is advised to send his representative to the stores to see that the material sent for testing is being sealed in the presence of bidders representative.
- 5.07 Bidder has to sign quality agreement before supply of the material.

### 6.0 Packing, Packing List & Marking

- 6.01 **Packing:** Supplier shall pack or shall cause to be packed all Commodities in boxes and containers and otherwise in such a manner as shall be reasonably suitable for shipment by road or rail to BRPL without undue risk of damage in transit.
- 6.02 **Packing List:** The contents of each package shall be itemized on a detailed list showing the exact weight and the extreme outside dimensions (length, width and height) of each container or box. One copy of the packing list shall be enclosed in each package delivered. There shall also be enclosed in one package a master packing list identifying each individual package, which is part of the shipment. On any packaging where it is not feasible to place the packing list inside the container, all pertinent information shall be stenciled on the outside and will thus constitute a packing list.

### 7.01 Prices basis for supply of materials

Bidder to quote their prices on Landed Cost Basis and separate price for each items.  
For Supply to BRPL Delhi the price shall be inclusive of packing, forwarding, Freight & Goods and service tax (GST).  
The above supply prices shall also include unloading at site stores.

Transit and storage insurance will be arranged by BRPL, however bidder to furnish required details in advance for arranging the same by BRPL.

## 8.0 Variation in taxes, duties & levies:

- 8.01 The total order value shall be adjusted on account of any variations in Statutory Levies imposed by Competent Authorities by way of fresh notification(s) within the stipulated delivery period only. However, incase of reduction in taxes, duties and levies, the benefits of the same shall be passed on to BUYER.
- 8.02 No other Taxes, Duties & Levies other than those specified above will be payable by BUYER except in case of new Levies, Taxes & Duties imposed by the Competent Authorities by way of fresh notification(s) subsequent to the issue of PURCHASE ORDER but within the stipulated delivery period.
- 8.03 Notwithstanding what is stated above, changes in Taxes, Duties & Levies shall apply only to that portion of PURCHASE ORDER not executed on the date of notification by Competent Authority. Further, changes in Taxes, Duties & Levies after due date of Delivery shall not affect PURCHASE ORDER Terms and Value.
- 8.04 PURCHASE ORDER value shall not be subject to any variation on account of variation in Exchange rate(s).
- 8.05 **As per GOI Notifications Section 164 read with Section 171 of the central goods and services tax act 2017 , Central Govt makes "Anti Profiteering rules 2017 ". As per anti-profiteering Clause 171 applied as per Govt Notification which provides that it is mandatory to pass on all the benefits due to reduction in rate of tax or from input tax credit to the consumer by way of commensurate reduction in prices. The GST rate shall be applicable as per the HSN codes, Hence request you to kindly forward the same.**

## 9.0 Taxes & Duties on raw materials & bought out components:

- 9.01 Taxes & Duties on raw materials & bought out components are included in Order Value and are not subject to any escalation or variation for any reason whatsoever.
- 9.02 Taxes & Duties on raw materials & bought out components procured indigenously are included in Order Value and are not subject to any escalation or variation for any reason whatsoever.

## 10.0 Terms of payment and billing

- 10.01 For Supply of Equipments:
- 100% payment shall be made within 45 days from the date of receipt of material at store/ site against submission of 10 % performance bank guarantee.
- 10.02 Bidder to submit the following documents against dispatch of each consignment:
- i. Consignee copy of LR
  - ii. Supplier detailed invoice showing commodity description, quantity, unit price, total price and basis of delivery.
  - iii. Original certificate issued by BRPL confirming receipt of material at site and acceptance of the same.
  - iv. Dispatch clearance / inspection report in original issued by the inspection authority
  - v. Packing List.
  - vi. Test Reports
  - vii. Guarantee Certificate.
  - viii. Insurance policy to be obtained by supplier

## 11.0 Price Validity

- 11.01 All bids submitted shall remain valid, firm and subject to unconditional acceptance by BRPL Delhi for 120 days post bid-date. For awarded suppliers, the prices shall remain valid and firm till contract completion.

## 12.0 Performance Guarantee

- 12.01 Supplier shall establish a performance bond in favor of BRPL in an amount not less than Ten percent (10%) of the total price of the Contract (the "Performance Bond"). The Performance Bond shall be valid for a period of twenty four months (24) from the date of the commissioning or thirty months (30) months from the date of receipt of material (last consignment) at site/stores which ever is earlier plus 3 months towards claim period. It shall be in accordance with one of the following terms:

- (a) Depositing pay order /demand draft of the relevant amount directly with BRPL at the address listed above or as otherwise specified by BRPL, either of which shall constitute the Performance Bond hereunder; or
- (b) Bank guarantee from any nationalized bank in favour of **BSES RAJDHANI POWER LTD (BRPL)**. The performance Bank guarantee shall be in the format as specified by BRPL.

### **13.0 Forfeiture**

- 13.01** Each Performance Bond established under Clause 10.0 shall contain a statement that it shall be automatically and unconditionally forfeited without recourse and payable against the presentation by BRPL of this Performance Bond to the ICICI Bank at Mumbai, or to the relevant company/ correspondent bank referred to above, as the case may be, together with a simple statement that supplier has failed to comply with any term or condition set forth in the Contract.
- 13.02** Each Performance Bond established under will be automatically and unconditionally forfeited without recourse if BRPL in its sole discretion determines that supplier has failed to comply with any term or condition set forth in the contract.

### **14.0 Release**

All Performance Bonds will be released without interest within seven (7) days from the last date up to which the Performance Bond has to be kept valid (as defined in Clause 10.0) except for the case set forth in Clause 21.0.

### **15.0 Defects Liability Period**

- 15.01** The bidder to Guarantee the materials / items supplied against any defect of failure, which arise due to faulty materials, workmanship or design for the entire defects liability period. The Defect liability period shall be 24 months from the date of commissioning or 30 months from the date of delivery whichever is earlier. If during the defects liability period any materials / items are found to be defective, these shall be replaced or rectified by the bidder at his own cost within 30 days from the date of receipt of intimation.

### **16.0 Return, Replacement or Substitution.**

BRPL shall give Supplier notice of any defective Commodity promptly after becoming aware thereof. BRPL may in its discretion elect to return defective Commodities to Supplier for replacement, free of charge to BRPL, or may reject such Commodities and purchase the same or similar Commodities from any third party. In the latter case BRPL shall furnish proof to Supplier of the cost of such substitute purchase. In either case, all costs of any replacement, substitution, shipping, labour and other related expenses incurred in connection with the return and replacement or for the substitute purchase of a Commodity hereunder should be for the account of Supplier. BRPL may set off such costs against any amounts payable by BRPL to Supplier. Supplier shall reimburse BRPL for the amount, if any, by which the price of a substitute Commodity exceeds the price for such Commodity as quoted in the Bid.

### **17.0 Effective Date of Commencement of Contract:**

- 17.01** The date of the issue of the Letter of Acceptance shall be treated as the effective date of the commencement of Contract.

### **18.0 Time – The Essence Of Contract**

- 18.01** The time and the date of completion of the "Supply" as stipulated in the Letter Of Acceptance / Purchase order issued to the Supplier shall be deemed to be the essence of the "Contract". The Supply has to be completed not later than the aforesaid Schedule and date of completion of supply .

### **19.0 The Laws and Jurisdiction of Contract:**

- 19.01** The laws applicable to this Contract shall be the Laws in force in India.
- 19.02** All disputes arising in connection with the present Contract shall be settled amicably by mutual consultation failing which shall be finally settled as per the rules of Arbitration and Conciliation Act, 1996 at the discretion of Purchaser. The venue of arbitration shall be at Mumbai in India

### **20.0 Events of Default**

- 20.01** Events of Default. Each of the following events or occurrences shall constitute an event of default ("Event of Default") under the Contract:
- (a) Supplier fails or refuses to pay any amounts due under the Contract;

- (b) Supplier fails or refuses to deliver Commodities conforming to this RFQ/ specifications, or fails to deliver Commodities within the period specified in P.O. or any extension thereof
- (c) Supplier becomes insolvent or unable to pay its debts when due, or commits any act of bankruptcy, such as filing any petition in any bankruptcy, winding-up or reorganization proceeding, or acknowledges in writing its insolvency or inability to pay its debts; or the Supplier's creditors file any petition relating to bankruptcy of Supplier;
- (d) Supplier otherwise fails or refuses to perform or observe any term or condition of the Contract and such failure is not remediable or, if remediable, continues for a period of 30 days after receipt by the Supplier of notice of such failure from BRPL

## **21.0 Consequences of Default.**

- (a) If an Event of Default shall occur and be continuing, BRPL may forthwith terminate the Contract by written notice.
- (b) In the event of an Event of Default, BRPL may, without prejudice to any other right granted to it by law, or the Contract, take any or all of the following actions:
  - (i) present for payment to the relevant bank the Performance Bond;
  - (ii) purchase the same or similar Commodities from any third party; and/or
  - (iii) recover any losses and/or additional expenses BRPL may incur as a result of Supplier's default.

## **22.0 Penalty for Delay**

- 22.01** If supply of items / equipments is delayed beyond the supply schedule as stipulated in purchase order then the Supplier shall be liable to pay to the Purchaser as penalty for delay, a sum of 1% (one percent) of the contract price for every week delay or part thereof for individual mile stone deliveries.
- 22.02** The total amount of penalty for delay under the contract will be subject to a maximum of ten percent (10%) of the contract price
- 22.03** The Purchaser may, without prejudice to any method of recovery, deduct the amount for such damages from any amount due or which may become due to the Supplier or from the Performance Bond or file a claim against the supplier.

## **23.0 Force Majeure**

### **23.01 General**

An "Event of Force Majeure" shall mean any event or circumstance not within the reasonable control directly or indirectly, of the Party affected, but only if and to the extent that:

- (i) Such event or circumstance materially and adversely affects the ability of the affected Party to perform its obligations under this Contract, and the affected Party has taken all reasonable precautions, due care and reasonable alternative measures in order to prevent or avoid the effect of such event on the affected party's ability to perform its obligations under this Contract and to mitigate the consequences thereof.
- (ii) For the avoidance of doubt, if such event or circumstance would not have materially and adversely affected the performance of the affected party had such affected party followed good industry practice, such event or circumstance shall not constitute force majeure.
- (iii) Such event is not the direct or indirect result of the failure of such Party to perform any of its obligations under this Contract.
- (iv) Such Party has given the other Party prompt notice describing such events, the effect thereof and the actions being taken in order to comply with above clause.

### **23.02 Specific Events of Force Majeure subject to the provisions of above clause, Events of Force Majeure shall include only the following to the extent that they or their consequences satisfy the above requirements :**

- (i) The following events and circumstances :

- a) Effect of any natural element or other acts of God, including but not limited to storm, flood, earthquake, lightning, cyclone, landslides or other natural disasters.
- b) Explosions or fires
- (ii) War declared by the Government of India, provided that the ports at Mumbai are declared as a war zone.
- (iii) Dangers of navigation, perils of the sea.

**23.03** Notice of Events of Force Majeure If a force majeure event prevents a party from performing any obligations under the Contract in part or in full, that party shall:

- i) Immediately notify the other party in writing of the force majeure events within 7(seven) working days of the occurrence of the force majeure event
- ii) Be entitled to suspend performance of the obligation under the Contract which is affected by force majeure event for the duration of the force majeure event.
- iii) Use all reasonable efforts to resume full performance of the obligation as soon as practicable
- iv) Keep the other party informed of all such efforts to resume full performance of the obligation on a regular basis.
- v) Provide prompt notice of the resumption of full performance or obligation to the other party.

**23.04** Mitigation of Events of Force Majeure Each Party shall:

- (i) Make all reasonable efforts to prevent and reduce to a minimum and mitigate the effect of any delay occasioned by an Event of Force Majeure including recourse to alternate methods of satisfying its obligations under the Contract;
- (ii) Use its best efforts to ensure resumption of normal performance after the termination of any Event of Force Majeure and shall perform its obligations to the maximum extent practicable as agreed between the Parties; and
- (iii) Keep the other Party informed at regular intervals of the circumstances concerning the event of Force Majeure, with best estimates as to its likely continuation and what measures or contingency planning it is taking to mitigate and or terminate the Event of Force Majeure.

**23.05** Burden of Proof In the event that the Parties are unable in good faith to agree that a Force Majeure event has occurred to an affected party, the parties shall resolve their dispute in accordance with the provisions of this Agreement. The burden of proof as to whether or not a force majeure event has occurred shall be upon the party claiming that the force majeure event has occurred and that it is the affected party.

**23.06** Termination for Certain Events of Force Majeure. If any obligation of any Party under the Contract is or is reasonably expected to be delayed or prevented by a Force Majeure event for a continuous period of more than 3 months, the Parties shall promptly discuss in good faith how to proceed with a view to reaching a solution on mutually agreed basis. If a solution on mutually agreed basis cannot be arrived at within a period of 30 days after the expiry of the period of three months, the Contract shall be terminated after the said period of 30 days and neither Party shall be liable to the other for any consequences arising on account of such termination.

**23.07** Limitation of Force Majeure event. The Supplier shall not be relieved of any obligation under the Contract solely because cost of performance is increased, whether as a consequence of adverse economic consequences or otherwise.

**23.08** Extension of Contract Period due to Force Majeure event The Contract period may be extended by mutual agreement of Parties by way of an adjustment on account of any period during which an obligation of either Party is suspended due to a Force Majeure event.

**23.09** Effect of Events of Force Majeure. Except as otherwise provided herein or may further be agreed between the Parties, either Party shall be excused from performance and neither Party shall be construed to be in

default in respect of any obligations hereunder, for so long as failure to perform such obligations shall be due to and event of Force Majeure."

#### **24.0 Transfer And Sub-Letting**

**24.01** The Supplier shall not sublet, transfer, assign or otherwise part with the Contract or any part thereof, either directly or indirectly, without prior written permission of the Purchaser.

**25.0 Recoveries**

**25.01** When ever under this contract any money is recoverable from and payable by the bidder, the purchaser shall be entitled to recover such sum by appropriating in part or in whole by detecting any sum due to which any time thereafter may become due from the supplier in this or any other contract. Should the sum be not sufficient to cover the full amount recoverable the bidder shall pay to the purchaser on demand the remaining balance.

**26.0 Waiver**

**26.01** Failure to enforce any condition herein contained shall not operate as a waiver of the condition itself or any subsequent breach thereof.

**27.0 Indemnification**

**27.01** Notwithstanding contrary to anything contained in this RFQ, Supplier shall at his costs and risks make good any loss or damage to the property of the Purchaser and/or the other Supplier engaged by the Purchaser and/or the employees of the Purchaser and/or employees of the other Supplier engaged by the Purchaser whatsoever arising out of the negligence of the Supplier while performing the obligations under this contract.

**SECTION – IV: QUANTITY AND DELIVERY REQUIREMENT**

<u>Sl.No.</u>	<u>Item Description</u>	<u>Qty( Nos)</u>	<u>Delivery</u>	<u>Location</u>
			<u>Schedule</u>	
1	Double pole MCB 63, 10 KA, B curve with Box	34,000	1.Submission of GTP/Drawing within 7-10 days from the date of LOI/Purchase order	Stores, BRPL, Delhi
2	100 A Four Pole MCCB, 10 KA (MCCB with box)	34,000		

**SECTION – V:**

**TECHNICAL SPECIFICATION(TS)**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND  
FOUR POLE MCCB (100 AMP) WITH BOX**

**CMC/BR/23-24/RB/PR/GP/1165**

**Date : 14.10.2023**

**The detailed specification of double pole MCB and four pole MCCB**

# BSES

## TECHNICAL SPECIFICATION

FOR

THREE PHASE METER BOX WITH MCCB

Specification No: BSES-TS-155-MBMCCB-R0

Rev:	0	
Date:	18 September 2023	
Prepared by	Naved Ahmad	<i>Naved Ahmad</i>
	Rohit Patil	<i>Rohit Patil</i>
	Ashish Joshi	<i>Ashish Joshi</i>
Reviewed by	Amit Tomar	<i>Amit Tomar</i>
	Puneet Duggal	<i>Puneet Duggal</i>
Approved by	Gaurav Sharma	<i>Gaurav Sharma</i>
	Gopal Nariya	<i>Gopal Nariya</i>



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## 1. Scope of Supply

This specification covers the design, manufacturing, inspection, testing and supply of Box for Three phase meter box with MCCB

## 2. Codes & Standards

This equipment shall confirm to this specification & latest revision of following codes with all amendments:

S.No	Title	Indian Standard
2.1	IS 13411	Glass reinforced polyester dough Moulding compounds
2.2	IS 13410	Glass reinforced polyester sheet Moulding compounds (SMC) - Specification
2.3	IS/IEC 60947-2	Low-Voltage Switchgear and Control gear Part 2 - Circuit-Breakers
2.4	IS 13947 (Part 5/See 2) / IEC 60947-5-2	Low-voltage switchgear and control gear — specification part 5 control circuit devices and switching elements
2.5	IS 14772	Enclosures for Electrical Installations
2.6	IS 15707	Testing, Evaluation, Installation And Maintenance Of Ac Electricity Meters — Code Of Practice
2.7	IS/IEC60947 Part 1	Specification for Low Voltage switch gear
2.8	IS 4249	Classification And Methods Of Tests For Non-Ignitable And Self-Extinguishing Properties Of Solid Electrical Insulating Materials
2.9	IS 4249	Duplicate entry
2.10	IS 8623	Specification for low voltage switch gear and control gear assemblies
2.11	IS 11731 Part 2	Method of test for determination of flammability of solid electrical insulating material when exposed to an igniting source
2.12	IEC 62052-11	General requirements, tests and tests condition for metering equipment
2.13	IEC 61000-4-2	Electromagnetic compatibility

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB****3. Service Condition**

The meter box to be supplied against said specification shall be suitable for satisfactory continuous operation under outdoor environment. Following are the climatic condition:

Sl.no	Parameters	Requirements
3.1	Peak ambient temp.	50°C
3.2	Min ambient temp. in shade	45°C
3.3	Max. average ambient temp in 24 hours period in shade	40°C
3.4	Min ambient temp.	0°C
3.5	Max. temp. attainable by an object exposed to sun	70°C
3.6	Max. relative humidity	95%
3.7	Average number of thunder storm days per annum	40
3.8	Average number of rainy storm days per annum	120
3.9	Average annual rainfall	1000mm
3.10	No of months of tropical monsoon condition	4 months
3.11	Max. wind pressure	150kg/m <sup>2</sup>
3.12	Altitudes	Not exceeding 1000 mtrs
3.13	Pollution Level	As per IS (Highly polluted)- Dry

**4. Guaranteed Technical Particulars of Meter box with MCCB**

SI No	BSES Requirement	Vendor Data
<b>4.1</b>	<b>Meter Box Design Particulars</b>	
4.1.1	Box Type	<ul style="list-style-type: none"> <li>a. The meter box shall be dust and vermin proof for housing three phase meter of any make</li> <li>b. Meter Box shall be hinge Type and temper proof</li> <li>c. Box shall be suitable for make and type of meter mentioned in purchaser's requisition</li> <li>d. Meter and MCCB/ELCB mounting arrangement shall be provided.</li> <li>e. Nob of MCCB/ELCB should be outside of the</li> </ul>

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

		<p>box for easily operation</p> <p>f. Three numbers 6 mm copper wires from Meter to MCCB/ELCB shall be in vendor's scope (Make of MCCB/ELCB shall be BSES reputed make mentioned in attached GTP)</p>	
4.1.2	Dimension of box	As per BSES 3ph meter with MCCB/ELCB mounting arrangement	
4.1.3	Make of MCCB	<p>Havells,,HPL,Anchor,Panasonic,, C&amp;S, ABB, , L&amp;T, Seimens, Schneider</p> <p>Note:</p> <p>a. MCCB/ELCB mounting arrangement shall be in vendor's scope</p> <p>b. Nob of MCCB/ELCB shall be outside of the box cover after closing &amp; sealing of the box</p> <p>c. MCCB/ELCB nob operation shall be easily operated in closed &amp; sealed condition of the box</p>	
4.1.4	Top / Base Cover	<p>a. SMC with grade S<sub>3</sub>S having Improved chemical, thermal, electrical, mechanical, low shrink and flame retardant properties as per IS 13410 with thickness min 3mm</p> <p>b. SMC Top cover fitted with non – openable transparent window- toughened glass thickness min 4mm</p> <p>c. The top Cover and Base of the box shall be made of SMC.</p> <p>d. Top cover shall have 2 no's doors, one for Meter section &amp; one for MCCB section.</p> <p>e. Baffle wall shall be provided for separation between Meter &amp; MCCB area.</p> <p>f. Meter should not be accessible with only MCCB door open condition; MCCB should not be accessible with only Meter door open condition.</p>	g.
4.1.5	Flammability	All parts of the meter box including cable glands, data downloading port covers etc. shall be flame retardant with flammability level FV0 (as per IS 11731 Part 2) having good dielectric and mechanical strength	

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

4.1.6	Fixing Arrangement	<ul style="list-style-type: none"><li>a. The meter base support inside the box shall be raised by about 10mm for ease of wiring and should provide fixing arrangement for all makes of meters presently used by BSES.</li><li>b. The box shall have concealed / internal hinges (minimum 2 no's) not visible or accessible from outside the box. All the hinges provided on the meter boxes shall be concealed and tamper proof. The box shall also have padlocking facility for consumer use. Minimum two number sealing's arrangement for BSES shall be provided on the meter box.</li><li>c. Four (4) nos. fixing holes of 6 to 6.5 mm diameter at the back surface of box shall be provided to fix the same on flat wall or surface.</li><li>d. For fixing of box on flat wall, 4 nos. 5 mm diameter. 40 mm long pan head self tapping SS screws and washers shall be provided by the supplier with every box. 4 no's plastic fixing plugs of 50mm length suitable for self tapping screws shall also be provided</li><li>e. Four no's polycarbonate support grommet of one inch height shall be pre fixed on the four wall mounting holes of meter boxes in order to provide space between meter base and wall.</li><li>f. Cable entry shall be bottom type and suitable for 02no's 4Cx505sqmm PVC insulated cable. Cable gland shall be Nylon66 shall be provided at cable entry (Cable Dia / Gland size to be mentioned)</li><li>g. Cable entry must be at the bottom diagonal ends of the meter box. Appropriate clearance shall be provided between the cable entry and position of meter terminals for proper cable bending and connection.</li><li>h. Meter Box accessories shall be adequately protected against rust, dust, water and corrosion from inside and outside</li></ul>	i.
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**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

4.1.7	Earthing	<p>a. Earthing bolt of M6 with nut and washer shall be provided on left side of the body of meter box.</p> <p>b. The arrangement shall be such that one earth point shall be available for customer and external earthing provided by BSES can be terminated.</p> <p>c. Necessary symbol shall be provided for earth terminal.</p>	
4.1.8	Screws	All the screws and washers shall be SS or zinc passivated	
4.1.9	Downloading arrangement with suitable cord	Downloading arrangement shall be required. It shall be round type hole as per meter optical port type and space with cover shall be required downloading with external device.	
4.1.10	Optical cord space for meter downloading (from cover side)-	Round type hole space with cover shall be required downloading with external device. D connector shall be FCI make connector only	
4.1.11	Separation (Back side of box)	Four numbers pillars shall be required for the purpose of separation between box and wall	
4.1.12	Degree Of Protection	IP55	
4.1.13	Danger Plate, BSES Insignia, customer care number & Name Plate	Embossed/Screen Printed	
4.1.14	Total weight of the box with accessories	To be specified for each type of box	
4.2	<b>MCCB Design Particulars</b>		
4.2.1	Offered MCCB Make & Model	Vendor to specify	
4.2.2	Current Rating at 40 Deg C	100 A with following configuration a. Three Pole	

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

		<ul style="list-style-type: none"> <li>b. Four Pole</li> </ul> 300 A with following configuration <ul style="list-style-type: none"> <li>a. Three Pole</li> <li>b. Four Pole</li> </ul>	
4.2.3	MCCB Configuration	The MCCBs shall comprise of Three/ Four poles in a single construction with in-built microprocessor release	
4.2.4	Rated Voltage	415V	
4.2.5	Rated Frequency	50 Hz	
4.2.6	Protection Classification	Protection shall be provided in all poles including neutral pole	
4.2.7	Method of cable Connection & Terminals arrangement	<ul style="list-style-type: none"> <li>a. MCCB Terminals shall be provided with Spreader type extension links with Phase barriers suitable for installation of cable with aluminium Lug.</li> <li>b. Finger touch proof Shrouded cover shall be provided on Terminals</li> </ul>	
4.2.8	Indications	<ul style="list-style-type: none"> <li>a. MCCBs shall be provided with mechanical position indicator.</li> <li>b. MCCB's shall have ON/OFF/trip positions.</li> </ul>	
4.2.9	MCCB ingress protection (without enclosure)	IP2X minimum	
4.2.10	MCCB Installation Position	Horizontally mounted in Enclosure	
4.2.11	Rated insulation voltage at 50 Hz	1000 V	
4.2.12	Rated impulse withstand voltage	8 kV	
4.2.13	Short circuit breaking current capacity (Icu)	50 kA	
4.2.14	Service Short circuit capacity (Ics)	50 kA	



TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB

4.2.15	Rated short term withstand current for 1 sec at rated voltage – (Icw)	50 kA	
4.2.16	Rated making current capacity (Icm)	Icm = 220% Icu	
4.2.17	BIS certification & CML No.	To be marked on MCCB	
4.2.18	Marking on each MCCB	As per clause 5 of IS: 13947 Part-1	
		'BSES' mark with indelible ink	
		Month & year of manufacture, P.O. no.	
4.2.19	MCCB terminals suitable for cable size	Suitable for minimum 50 sq.mm Aluminum conductor	
4.2.20	MCCB mounting	On surface mounting, bolted type, Horizontal	
4.2.21	MCCB ingress protection	IP20 minimum	
4.2.22	Line load reversibility	Required	
4.2.23	Guaranteed number of Electrical operations	Vendor to specify	
4.2.24	Guaranteed number of Mechanical operations	Vendor to specify	
4.1.25	Pollution Category as per IS/IEC 60947	Category 3	
4.2.26	Protection Requirement		
4.2.26.1	Microprocessor release	<ul style="list-style-type: none"> <li>a. Release shall be in built type along with MCCB</li> <li>b. Microprocessor based release with true RMS based sensing.</li> <li>c. Self-powered, tapped from incoming side of supply, setting panel with locking arrangement</li> <li>d. Separate fault indication shall be provided for each protection stage i.e overload, short circuit</li> </ul>	

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

		and earthfault	
4.2.26.2	Electrical Protection	Overload, Short Circuit & Earth fault	
4.2.26.3	Tripping characteristic	Inverse definite minimum time characteristics for Short circuit and earth fault protection	
4.2.26.4	Overload setting	40% -100% In, steps of 10%.	
4.2.26.5	Overload setting time delay	2.5 s to 40 s minimum three settings	
4.2.26.6	Short Circuit Setting	100% - 800% of In, steps of 10%.	
4.2.26.7	Short Circuit Setting time delay	50 ms - 400 ms in steps of 50ms	
4.2.26.8	Instantaneous setting	200% - 1500% of In & OFF	
4.2.26.9	Earth fault setting	10- 100 % of In, steps of 10%	
4.2.26.10	Earth fault setting time delay	50ms - 400 ms in steps of 50ms	
4.2.26.11	Neutral unbalance	Earth fault function should not operate during neutral unbalance. Same will be verified during inspection.	

**5. Quality Assurance, Inspection and Testing**

5.1	Vendor's Quality Plan (QP)	To be submitted for Purchaser's approval.
5.2	Sampling Method	Sampling Method for quality checks shall be as per relevant IS/ IEC guidelines and Purchaser's prior approval shall be taken for the same.
5.3	Inspection	<p>Manufacturer shall intimate the manufacturing schedule in advance. The manufacturer shall give minimum 15 days advance notice about readiness of material at their works. The material shall be inspected for conformity with BSES specification before the same is accepted.</p> <ol style="list-style-type: none"> <li>a. Inspection shall be conducted at manufacturing unit of bidder only.</li> <li>b. All the relevant documents with respect to proof of factory ownership shall be reviewed and verified by BSES at any stage of contract. <ol style="list-style-type: none"> <li>i. Bidder is liable to meet BSES requirement on document verification.</li> <li>ii. BSES reserves the right to impose contractual</li> </ol> </li> </ol>

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

			action on bidder in case of any discrepancy (if found) of above documents verification at any stage of contract.
5.4	Inspection Points	Hold-	To be mutually identified, agreed and approved in Quality Plan.
5.5	Type Tests		<p>a. For MCCB- Type test as per IS 13947 (Part 5/See 2) / IEC 60947-5-2 shall be submitted.</p> <p>b. For Enclosure - Type Test as per IS 13410 and IS 14772 along with following additional tests:</p> <p>i. Visual examination- As Per GTP/ approved drawing</p> <p>ii. Verification of dimensions &amp; Marking -As Per GTP/ approved drawing</p> <p>iii. Test for Self Extinguishing Properties- IS:4249 Clause 3.5.1</p> <p>iv. Flammability Test -IS:11731 Part 2</p> <p>v. U V Resistance Test -Din 53387</p> <p>vi. Verification of Dielectric Properties at 5 KV – IS8623</p> <p>c. Type test conducted from CPRI/ ERDA/ CIPET/ NABL for required tests will be treated as valid.</p> <p>d. Type test certificate should be submitted along with offer for scrutiny.</p> <p>e. Any other component supplied in addition to box shall also be type tested as per IS /IEC if applicable.</p> <p>f. Type report of MCCB &amp; Enclosure shall remain valid till there is no design change in the offered design</p> <p>g. In case the bidder is not in a position to furnish test certificate of similar rating of offered item from CPRI/ERDA/ NABL lab at the time of submission of bid, the bid may not be considered.</p>
5.6	Routine tests		<p>As per IS 14772</p> <p>Raw material certificates and Routine test certificates in accordance with relevant IS, shall be submitted during the inspection of lot</p>
5.7	Acceptance Tests		<p>a. All acceptance tests mentioned in IS 14772 shall be carried out on samples randomly selected from lot offered for inspection along with following additional tests:</p> <p>i. Visual examination -As Per GTP/ approved drawing.</p>

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

		<ul style="list-style-type: none"> <li>ii. Verification of dimensions &amp; Marking - As Per GTP/ approved drawing.</li> <li>iii. Verification of Dielectric Properties at 5 KV- IS:8623</li> <li>iv. Test for Self Extinguishing Properties- IS:4249 Clause- 3.5.1</li> <li>v. U V Resistance Test -Din 53387</li> <li>vi. Ingress Protection IP-55</li> </ul> <p>b. IS 2500 shall be referred for sampling. Destructive testing shall be carried out only on 02 nos samples randomly selected for offered lot by BSES representative.</p> <p>c. In case any test facility for acceptance testing is not available on bidder's manufacturing work, same shall be carried out in CPRI/ ERDA/ NABL on sample randomly selected by BSES representative from lot offered for inspection without any price implication.</p>
5.8	Degree of Protection	<ul style="list-style-type: none"> <li>a. The meter box shall comply with the requirement of IP-55 &amp; IS: 14772 &amp; its latest version.</li> <li>b. The box has to be type tested for IP 55 protection as per relevant IS in the event of order from CPRI / ERDA for proof of design (on one sample of the P.O. quantity) without any price implication to BSES. Sample shall be randomly selected in event of order.</li> </ul>
5.9	Flammability Test	Flammability Test shall be carried out as per IS 11731 part 2 on sample randomly selected from BSES lot offered for inspection (01 no sample of the PO quantity ) without any price implication to BSES from CPRI, ERDA or NABL.

**6. Packing, Marking, Shipping, Handling and Storage**

6.1	Packing for accessories and spares	<ul style="list-style-type: none"> <li>a. The meter box shall be suitably packed in 3 ply corrugated boxes in order to avoid damage in transit, handling, storage and further transportation from store to field.</li> <li>b. Packing shall be individual of each box</li> <li>c. Group of boxes shall be packed in another box with following details- <ul style="list-style-type: none"> <li>i. Name of the manufacture</li> </ul> </li> </ul>
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**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

		<ul style="list-style-type: none"><li>ii. Qty of box</li><li>iii. Sap Code</li><li>iv. P.O number &amp; Date</li><li>v. Other Information</li></ul>
6.2	Marking and Serial No.	Following details shall be embossed/laser printed (As required) on meter box <ul style="list-style-type: none"><li>a. BSES insignia shall be embossed on the base &amp; cover of meter box</li><li>b. Serial number of digit size min 6mm, embossed or laser printed on base &amp; cover of digit.</li><li>c. Purchaser's P.O. no. and date on top cover of Box. Name of purchaser's on top cover of box.</li><li>d. Name or trade mark of Seller on top cover of box. Any other detail required at the time of approval.</li><li>e. Danger sign</li></ul>

## 7. Deviations

7.1	Deviations	<ul style="list-style-type: none"><li>a. Deviations from this specification can be acceptable, only where the Seller has listed in his quotation the requirements he cannot, or does not, wish to comply with and which deviations the Buyer has agreed to in writing, before any order is placed.</li><li>b. In the absence of any list of deviations from the Seller, it will be assumed by the Buyer that the Seller complies with the technical specification fully.</li></ul>
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## 8. Drawing/ Document Submission

Document/Drawing submission shall be as per the matrix given below:

- a) All documents/drawings shall be provided in soft copy only.
- b) Language of the documents shall be English only.
- c) Incomplete submission shall be liable for rejection.
- d) Document check sheet compliance shall be the first sheet for each submission stage i.e. Technical bid, Drawing Approval, Pre Dispatch, Pre closure.
- e) No submission is acceptable without check list compliance.
- f) Order of documents shall be strictly as per the check list.

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

g) Any drawing not included in the below table but necessary for detailed engineering shall be deemed to be included in bidder's scope.

SL	Detail of Document	Bid	Approval	Pre Dispatch
1	Guaranteed Technical particulars (GTP)	Required	Required	
2	Deviation Sheet, if any	Required	Required	
3	GA / cross sectional drawing of Meter Box showing all the views / sections	Required	Required	
4	Samples of each type and rating offered.	2 no's	2 no's	
5	Environment for testing sample meters with head end system to be install at BSES premises.	Required	Required	
6	Any accessories	Required	Required	
7	Manufacturer's quality assurance plan and certification for quality standards	Required	Required	
8	Type Test reports of offered model/ type/ rating	Required		
9	Complete product catalogue and user manual.	Required		
10	Customer Reference List	Required		
11	Recommended list of spare and accessories	Required		
12	Program for production and testing (A)		Required	Required
13	Detailed installation and commissioning instructions		Required	Required
14	As Built Drawing		Required	Required
15	Operation and maintenance Instruction as well as trouble shooting charts/ manuals		Required	Required
16	Inspection and test reports, carried out in manufacturer's works			Required
17	Routine Test certificates			Required
18	Test certificates of all bought out items			Required

**9. Delivery**

13.1	Delivery	Vendor shall dispatch the material, only after the Routine Tests/Final Acceptance Tests (FAT) of the material witnessed/waived by the Purchaser, and after receiving written Material Dispatch Clearance (MDC) from the Purchaser.
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BSES-TS-155-MBMCCB-R0

**TECHNICAL SPECIFICATIONS OF THREE PHASE METER BOX WITH MCCB**

# BSES

TECHNICAL SPECIFICATION  
FOR  
SINGLE PHASE METER BOX WITH MCB  
Specification No: BSES-TS-154-MBMCB-R0

Rev:		0
Date:		18 September 2023
Prepared by	Naved Ahmad	<i>Naved Ahmad</i>
	Rohit Patil	<i>Rohit Patil</i>
	Ashish Joshi	<i>Ashish Joshi</i>
Reviewed by	Amit Tomar	<i>Amit Tomar</i>
	Puneet Duggal	<i>Puneet Duggal</i>
Approved by	Gaurav Sharma	<i>Gaurav Sharma</i>
	Gopal Nariya	<i>Gopal Nariya</i>



BSES-TS-154-MBMCB-R0

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

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9. Delivery ..... 14

**1. Scope of Supply**

This specification covers the design, manufacturing, inspection, testing and supply of Box for single-phase meter box with MCB.

**2. Codes & Standards**

This equipment shall confirm to this specification & latest revision of following codes with all amendments:

S.No	Title	Indian Standard
2.1	IS 13411	Glass reinforced polyester dough moulding compounds
2.2	IS 13410	Glass reinforced polyester sheet Moulding compounds (SMC) -Specification
2.3	IS/IEC 60947-2	Low-Voltage Switchgear and Control gear Part 2 - Circuit-Breakers
2.4	IS 14772	Enclosures for Electrical Installations
2.5	IS 15707	Testing, Evaluation, Installation And Maintenance Of Ac Electricity Meters — Code Of Practice
2.6	IS 14772	General requirements for enclose for accessories for household and similar
2.7	IS 4249	Classification And Methods Of Tests For Non-Ignitable And Self-Extinguishing Properties Of Solid Electrical Insulating Materials
2.8	IS 11731 part 2	Method of test for determination of flammability of solid electrical insulating material when exposed to an igniting source
2.9	IEC 62052-11	General requirements, tests and tests condition for metering equipment
2.10	IEC 61000-4-2	Electromagnetic compatibility

**3. Service Condition**

The meter box to be supplied against said specification shall be suitable for satisfactory continuous operation under outdoor environment. Following are the climatic condition:

Sl.no	Parameters	Requirements
3.1	Peak ambient temp.	50°C
3.2	Min ambient temp. in shade	45°C

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

3.3	Max. average ambient temp in 24 hours period in shade	40°C
3.4	Min ambient temp.	0°C
3.5	Max. temp. attainable by an object exposed to sun	70°C
3.6	Max. relative humidity	95%
3.7	Average number of thunder storm days per annum	40
3.8	Average number of rainy storm days per annum	120
3.9	Average annual rainfall	1000mm
3.10	No of months of tropical monsoon condition	4 months
3.11	Max. wind pressure	150kg/m <sup>2</sup>
3.12	Altitudes	Not exceeding 1000 mtrs
3.13	Pollution Level	As per IS (Highly polluted)- Dry

**4. Guaranteed Technical Particulars of Meter Box with MCB**

SI No	BSES Requirement		Vendor Data
<b>4.1</b>	<b>Meter Box Design Particulars</b>		
4.1.1	Box Type	a. The meter box shall be dust and vermin proof for housing three phase meter of any make b. Meter Box shall be hinge Type and temper proof c. Box shall be suitable for make and type of meter mentioned in purchaser's requisition d. Meter and MCB mounting arrangement shall be provided. e. Nob of MCB should be outside of the box for easily operation	
4.1.2	Dimension of box	As per BSES 1Ph meter with MCB mounting arrangement	

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

4.1.3	Top / Base Cover	<ul style="list-style-type: none"><li>a. SMC with grade S<sub>3</sub>S having Improved chemical, thermal, electrical, mechanical, low shrink, smoke free and flame retardant properties as per IS 13410 with thickness min 3mm</li><li>b. SMC Top cover fitted with non – openable transparent window- toughened glass thickness min 4mm</li><li>c. The top Cover and Base of the box shall be made of SMC.</li><li>d. Top cover shall have 2 no's doors, one for Meter section &amp; one for MCB section.</li><li>e. Baffle wall shall be provided for separation between Meter &amp; MCB area.</li><li>f. Meter should not be accessible with only MCB door open condition; MCB should not be accessible with only Meter door open condition.</li></ul>	
4.1.4	Flammability	All parts of the meter box including cable glands, data downloading port covers etc. shall be flame retardant with flammability level FV0 (as per IS 11731 Part 2) having good dielectric and mechanical strength.	
4.1.5	Fixing Arrangement	<ul style="list-style-type: none"><li>a. The meter base support inside the box shall be raised by about 10mm for ease of wiring and should provide fixing arrangement for all makes of meters presently used by BSES.</li><li>b. The box shall have concealed / internal hinges (minimum 2 no's) not visible or accessible from outside the box. All the</li></ul>	

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

		<p>hinges provided on the meter boxes shall be concealed and tamper proof. The box shall also have padlocking facility for consumer use. Minimum two number sealing's arrangement for BSES shall be provided on the meter box.</p> <p>c. Four (4) nos. fixing holes of 6 to 6.5 mm diameter at the back surface of box shall be provided to fix the same on flat wall or surface.</p> <p>d. For fixing of box on flat wall, 4 nos. 5 mm diameter. 40 mm long pan head self tapping SS screws and washers shall be provided by the supplier with every box. 4 no's plastic fixing plugs of 50mm length suitable for self tapping screws shall also be provided</p> <p>e. Four no's polycarbonate support grommet of one inch height shall be pre fixed on the four wall mounting holes of meter boxes in order to provide space between meter base and wall.</p> <p>f. Cable entry shall be bottom type and suitable for 02no's 2Cx25sqmm PVC insulated cable. Cable gland of Nylon66 shall be provided at cable entry (Cable Dia / Gland size to be mentioned)</p> <p>g. Cable entry must be at the bottom diagonal ends of the meter box. Appropriate clearance shall be provided</p>	
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**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

		between the cable entry and position of meter terminals for proper cable bending and connection. h. Meter Box accessories shall be adequately protected against rust, dust, water and corrosion from inside and outside	
4.1.6	Earthing	a. Earthing bolt of M6 with nut and washer shall be provided on left side of the body of meter box. b. The arrangement shall be such that one earth point shall be available for customer and external earthing provided by BSES can be terminated. c. Necessary symbol shall be provided for earth terminal.	
4.1.7	Screws	All the screws and washers shall be SS or zinc passivated	
4.1.8	Downloading arrangement with suitable cord	Downloading arrangement shall be required. It shall be sliding type as per meter optical port type and space with cover shall be required downloading with external device.	
4.1.9	Optical cord space for meter downloading (from cover side)-	Sliding type hole space with cover shall be required downloading with external device. D connector shall be FCI make connector only	
4.1.10	Separation (Back side of box)	Four numbers pillars shall be required for the purpose of separation between box and wall	
4.1.11	Degree Of Protection	IP55	
4.1.12	Danger Plate, BSES Insignia, customer care number & Name	Embossed/Screen Printed	



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**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

	Plate		
4.1.13	Total weight of the box with accessories	To be specified for each type of box	
4.2	<b>MCB Design Particulars</b>		
4.2.1	Offered MCB Make & Model	Vendor to specify	
4.2.2	Current Rating at 40 Deg C	63 A with following configuration a. Single Pole b. Two Pole c. Three Pole Four Pole	
4.2.3	Rated Voltage	240 V for single Phase & 415V for Three Phase system	
4.2.4	Rated Frequency	50 Hz	
4.2.5	Protection Classification	In Multi-pole MCB, protection shall be provided in all poles including neutral pole	
4.2.6	Method of cable Connection	Screw – in Type, suitable for Aluminum conductor	
4.2.7	Installation Position	Horizontally mounted in Meter Box	
4.2.8	Rated insulation voltage at 50 Hz	1000 V	
4.2.9	Rated impulse withstand voltage	6kV	



BSES-TS-154-MBMCB-R0

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

4.2.10	Short circuit breaking current capacity (Icu)	10 kA	
4.2.11	Service Short circuit capacity (Ics)	10 kA	
4.2.12	Rated short term withstand current for 1 sec at rated voltage (Icw)	10 kA	
4.2.13	Selectivity Category	Selectivity Category A as per IS/IEC60947-2	
4.2.14	Electrical protection	Overcurrent	
4.2.15	BIS certification & CML No.	To be marked on MCB	
4.2.16	MCB position indication - ON / OFF	Required	
4.2.17	Marking on each MCB	As per IS/IEC60947-2	
		'BSES' mark with indelible ink	
		Month & year of manufacture, P.O. no.	
4.2.18	MCB terminals suitable for cable size	Suitable for min. 25 sq mm Aluminum conductor	
4.2.19	MCB terminals	Silver plated copper, finger touch proof	
4.2.20	MCB mounting	On surface as well as DIN rail, Vertical	
4.2.21	MCB ingress protection	IP20 minimum	

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

4.2.22	Line load reversibility	Required	
4.2.23	Guaranteed Number of Electrical operations	Vendor to specify	
4.2.24	Guaranteed Number of Mechanical operations	Vendor to specify	
4.2.25	Pollution Category as per IS/IEC 60947	Category 3	

**5. Quality Assurance, Inspection and Testing**

5.1	Vendor's Quality Plan (QP)		To be submitted for Purchaser's approval.
5.2	Sampling Method		Sampling Method for quality checks shall be as per relevant IS/ IEC guidelines and Purchaser's prior approval shall be taken for the same.
5.3	Inspection		<p>Manufacturer shall intimate the manufacturing schedule in advance. The manufacturer shall give minimum 15 days advance notice about readiness of material at their works. The material shall be inspected for conformity with BSES specification before the same is accepted.</p> <p>a. Inspection shall be conducted at manufacturing unit of bidder only.</p> <p>b. All the relevant documents with respect to proof of factory ownership shall be reviewed and verified by BSES at any stage of contract.</p> <p>i. Bidder is liable to meet BSES requirement on document verification.</p> <p>ii. BSES reserves the right to impose contractual action on bidder in case of any discrepancy (if found) of above documents verification at any stage of contract.</p>
5.4	Inspection Points	Hold-	To be mutually identified, agreed and approved in Quality Plan.

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

5.5	Type Tests	<p>a. For MCB – Type Test report as per IS/IEC 60947-2 shall be submitted.</p> <p>b. For Enclosure - Type Test as per IS 13410 and IS 14772 along with following additional tests:</p> <ul style="list-style-type: none"> <li>i. Visual examination- As Per GTP/ approved drawing</li> <li>ii. Verification of dimensions &amp; Marking -As Per GTP/ approved drawing</li> <li>iii. Test for Self Extinguishing Properties- IS:4249 Clause 3.5.1</li> <li>iv. Flammability Test -IS:11731 Part 2</li> <li>v. U V Resistance Test -Din 53387</li> <li>vi. Verification of Dielectric Properties at 5 KV – IS8623</li> </ul> <p>c. Type test conducted from CPRI/ ERDA/ CIPET/ NABL for required tests will be treated as valid.</p> <p>d. Type test certificate should be submitted along with offer for scrutiny.</p> <p>e. Any other component supplied in addition to box shall also be type tested as per IS /IEC if applicable.</p> <p>f. Type report of MCCB &amp; Enclosure shall remain valid till there is no design change in the offered design</p> <p>g. In case the bidder is not in a position to furnish test certificate of similar rating of offered item from CPRI/ERDA/ NABL lab at the time of submission of bid, the bid may not be considered.</p>
5.6	Routine tests	<p>As per IS 14772</p> <p>Raw material certificates and Routine test certificates in accordance with relevant IS, shall be submitted during the inspection of lot</p>
5.7	Acceptance Tests	<p>a. All acceptance tests mentioned in IS 14772 &amp; IS 13410 shall be carried out on samples randomly selected from lot offered for inspection along with following additional tests:</p> <ul style="list-style-type: none"> <li>i. Visual examination -As Per GTP/ approved drawing.</li> <li>ii. Verification of dimensions &amp; Marking - As Per GTP/ approved drawing.</li> <li>iii. Verification of Dielectric Properties at 5 KV- IS:8623</li> <li>iv. Test for Self Extinguishing Properties- IS:4249</li> </ul>

**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

		<p>Clause- 3.5.1</p> <p>v. U V Resistance Test -Din 53387</p> <p>vi. Ingress Protection IP-55</p> <p>IS 2500 shall be referred for sampling. Destructive testing shall be carried out only on 02 nos samples randomly selected for offered lot by BSES representative.</p> <p>b. In case any test facility for acceptance testing is not available on bidder's manufacturing work, same shall be carried out in CPRI/ ERDA/ NABL lab on sample randomly selected by BSES representative from lot offered for inspection without any price implication.</p>
5.8	Degree of Protection	<p>a. The meter box shall comply with the requirement of IP-55 &amp; IS: 14772 &amp; its latest version.</p> <p>b. The box has to be type tested for IP 55 protection as per relevant IS in the event of order from CPRI / ERDA for proof of design (on one sample of the P.O. quantity) without any price implication to BSES. Sample shall be randomly selected in event of order.</p>
5.9	Flammability Test	Flammability Test shall be carried out as per IS 11731 part 2 on sample randomly selected from BSES lot offered for inspection (01 no sample of the PO quantity ) without any price implication to BSES from CPRI, ERDA or NABL.

**6. Packing, Marking, Shipping, Handling and Storage**

6.1	Packing for accessories and spares	<p>a. The meter box shall be suitably packed in 3 ply corrugated boxes in order to avoid damage in transit, handling, storage and further transportation from store to field.</p> <p>b. Packing shall be individual of each box</p> <p>c. Group of boxes shall be packed in another box with following details-</p> <p>i. Name of the manufacture</p> <p>ii. Qty of box</p> <p>iii. Sap Code</p> <p>iv. P.O number &amp; Date</p> <p>v. Other Information</p>
6.2	Marking and Serial No.	Following details shall be embossed/laser printed (As required) on meter box



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**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

		<ul style="list-style-type: none"><li>a. BSES insignia shall be embossed on the base &amp; cover of meter box</li><li>b. Serial number of digit size min 6mm, embossed or laser printed on base &amp; cover of digit.</li><li>c. Purchaser's P.O. no. and date on top cover of Box. Name of purchaser's on top cover of box.</li><li>d. Name or trade mark of Seller on top cover of box. Any other detail required at the time of approval.</li><li>e. Danger sign</li></ul>
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**7. Deviations**

7.1	Deviations	<ul style="list-style-type: none"><li>a. Deviations from this specification can be acceptable, only where the Seller has listed in his quotation the requirements he cannot, or does not, wish to comply with and which deviations the Buyer has agreed to in writing, before any order is placed.</li><li>b. In the absence of any list of deviations from the Seller, it will be assumed by the Buyer that the Seller complies with the technical specification fully.</li></ul>
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**8. Drawing/ Document Submission**

Document/Drawing submission shall be as per the matrix given below:

- a) All documents/drawings shall be provided in soft copy only.
- b) Language of the documents shall be English only.
- c) Incomplete submission shall be liable for rejection.
- d) Document check sheet compliance shall be the first sheet for each submission stage i.e. Technical bid, Drawing Approval, Pre Dispatch, Pre closure.
- e) No submission is acceptable without check list compliance.
- f) Order of documents shall be strictly as per the check list.
- g) Any drawing not included in the below table but necessary for detailed engineering shall be deemed to be included in bidder's scope.



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**TECHNICAL SPECIFICATIONS OF SINGLE PHASE METER BOX WITH MCB**

SL	Detail of Document	Bid	Approval	Pre Dispatch
1	Guaranteed Technical particulars (GTP)	Required	Required	
2	Deviation Sheet, if any	Required	Required	
3	GA / cross sectional drawing of Meter Box showing all the views / sections	Required	Required	
4	Samples of each type and rating offered.	2 no's	2 no's	
5	Environment for testing sample meters with head end system to be install at BSES premises.	Required	Required	
6	Any accessories	Required	Required	
7	Manufacturer's quality assurance plan and certification for quality standards	Required	Required	
8	Type Test reports of offered model/ type/ rating	Required		
9	Complete product catalogue and user manual.	Required		
10	Customer Reference List	Required		
11	Recommended list of spare and accessories	Required		
12	Program for production and testing (A)		Required	Required
13	Detailed installation and commissioning instructions		Required	Required
14	As Built Drawing		Required	Required
15	Operation and maintenance Instruction as well as trouble shooting charts/ manuals		Required	Required
16	Inspection and test reports, carried out in manufacturer's works			Required
17	Routine Test certificates			Required
18	Test certificates of all bought out items			Required

**9. Delivery**

9.1	Delivery	Vendor shall dispatch the material, only after the Routine Tests/Final Acceptance Tests (FAT) of the material witnessed/waived by the Purchaser, and after receiving written Material Dispatch Clearance (MDC) from the Purchaser.
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**Volume - II**

**FORMATS**

**Tender Notification for**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND  
FOUR POLE MCCB (100 AMP) WITH BOX**

**CMC/BR/23-24/RB/PR/GP/1165**

**Date : 14.10.2023**

Annexure -I

**BID FORM**

**RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 AMP) WITH BOX AND  
FOUR POLE MCCB (100 AMP) WITH BOX**

To  
Head of the Department  
Contracts & Materials  
BSES Rajdhani Power Ltd  
BSES Bhawan, Nehru Place  
New Delhi- 110019  
Sir,

We understand that BRPL is desirous of procuring " **Double pole MCB (63 Amp) with box and four pole MCCB (100 AMP) with box**" network area in Delhi.

- 1 Having examined the Bidding Documents for the above named works, we the undersigned, offer to deliver the goods in full conformity with the Drawings, Conditions of Contract and specifications for the sum of AS PER PRICE BID ENCLOSED or such other sums as may be determined in accordance with the terms and conditions of the contract .The above amounts are in accordance with the Price Schedules attached herewith and are made part of this bid.
- 2 If our Bid is accepted, we under take to deliver the entire goods as per delivery schedule given by you from the date of award of purchase order/letter of intent
- 3 If our Bid is accepted, we will furnish a performance bank guarantee for an amount of 10% (Ten) percent of the total contract value for due performance of the Contract in accordance with the General Conditions of Contract.
- 4 We agree to abide by this Bid for a period of 120 days from the date fixed for bid opening under clause 9.0 of GCC, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- 5 We declare that we have studied the provision of Indian Income Tax Law and other Indian Laws for supply of equipments/materials and the prices have been quoted accordingly.
- 6 Unless and until Letter of Intent is issued, this Bid, together with your written acceptance there of, shall constitute a binding contract between us.
- 7 We understand that you are not bound to accept the lowest, or any bid you may receive.
- 8 There is provision for Resolution of Disputes under this Contract, in accordance with the Laws and Jurisdiction of Contract, Clause 19 of GCC .

Dated this..... day of..... 20 .....

Signature..... In the capacity of .....

.....duly authorized to sign for and on behalf of (IN BLOCK CAPITALS).....

**Annexure -II**

**FORMAT FOR EMD BANK GUARANTEE**

***(To be issued in a Non Judicial Stamp Paper of Rs.50/-purchased in the name of the bank)***

Whereas [name of the Bidder](hereinafter called the Bidder“) has submitted its bid dated [date of submission of bid] for the supply of [name and/or description of the goods] (hereafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE [name of bank]at[Branch Name and address],having our registered office at[address of the registered office of the bank](herein after called —the Bank“),are bound unto BSES Rajdhani Power Ltd., with it's Corporate Office at BSES Bhawan Nehru Place, New Delhi -110019 ,(herein after called —the Purchaser“)in the sum of \_\_\_\_\_for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this\_\_\_\_\_ day of\_\_\_\_\_ 20\_\_\_\_\_.

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form ;or
2. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
  - (a) fails or refuses to execute the Contract Form ,if required; or
  - (b) fails or refuses to furnish the performance security, In accordance with the Instructions to Bidders/GENERAL CONDITIONS.;

We undertake to pay to the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that is its demand the purchaser will note that amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or condition s.

This guarantee will remain in force up to and including sixty (60) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

(signature of the bank)

Signature of the witness

**Annexure-III**

**PRICE FORMAT**

ENQUIRY NO & DATE : CMC/BR/23-24/RB/PR/GP/1165 DT:14.10.2023

PRICE FORMAT

ENQUIRY NO & DATE : CMC/BR/23-24/RB/PR/GP/1165\_RATE CONTRACT FOR SUPPLY OF DOUBLE POLE MCB (63 Amp) WITH BOX AND FOUR POLE MCCB (100 AMP) WITH BOX DT : 14.10.2023

S.NO	BSES Material Code	HSN Code	Material Dispatch Location (GSTN no.)	Item Description	UOM	QTY	EX-WORKS RATE /No.	C GST (%)	C GST (Amount)	S GST (%)	S GST (Amount)	I GST (%)	I GST (Amount)	FREIGHT	LANDED COST/No.	TOTAL LANDED COST
1				Double pole MCB 63, 10 KA, B curve with Box	Nos	34000										
2				100 A Four Pole MCCB, 10 KA (MCCB with box)	Nos	34000										
															<b>Total</b>	

Pls attach the covering letter head alongwith the price format.

NAME OF THE BIDDER WITH SEAL

**Annexure - IV**

Enquiry No. &amp; Date : CMC/BR/23-24/RB/PR/GP/1165 DT: 14.10.2023

**COMMERCIAL TERMS AND CONDITIONS**

S/NO	ITEM DESCRIPTION	AS PER BRPL	CONFIRMATION OF BIDDER
1	Validity of prices	120 days from the date of offer	
2	Price basis	a) Firm, FOR Delhi store basis. Prices shall be inclusive of all taxes & duties, freight upto Delhi stores. b) Unloading at stores shall be in vendor's scope c) Transit insurance in BRPL scope	
3	Payment terms	100% payment within 45 days after receipt of material at stores	
4	Delivery schedule	As per our requirement	
5	Defect Liability period	24 months after commissioning or 30 months from the last date of supply ,whichever is earlier	
6	Penalty for delay	1% per week of delay of undelivered units or part thereof subject to maximum of 10% of total PO value of undelivered units	
7	Performance Bank Guarantee	10% of total PO value valid for 24 months after commissioning or 30 months from the last date of supply,whichever is earlier plus 3 months towards claim period	

ANNEXURE V

ENQUIRY NO & DATE : CMC/BR/23-24/RB/PR/GP/1165 DT:14.10.2023

NO DEVIATION SHEET

SL NO	SL NO OF TECHNICAL SPECIFICATION	DEVIATIONS,IF ANY

SIGNATURE & SEAL OF BIDDER

NAME OF BIDDER

**Annexure – VI**

Sr.No	Qualification Criteria	QR	Document to be submitted
1	Manufacturing Facility	The bidder should have own manufacturing facilities in India for MCB/MCCB/SMC enclosure since last three (03) FY. Or The bidder should be an authorized panel/enclosure manufacturer of MCB/MCCB/SMC (OEM) established in India since last 3 years. If the Bidder is an authorized panel/enclosure manufacturer of OEM, a letter of authorization from OEM shall be submitted along with the bid. Also, such bidder shall submit a backup warranty from OEM along with bid on NIT terms & conditions.	Manufacturing and factory incorporation certificate / Undertaking .The details of manufacturing units, locations and works from where supply against this tender shall be proposed to be furnished.
2	Supply List	The bidder should have supplied minimum 10,000 numbers of MCB/ MCCB in last 5 years from the date of bid opening to any utilities/SEB's/PSU's/ <b>reputed company</b>	i. Summary list of executed Purchase orders, ii. Purchase order copies iii Material delivery clearance certificate copy or Delivery completion certificates or Invoice Copies
3	Plant Installed Capacity	The bidder should have manufacturing capacity of minimum 3000 Nos MCB / MCCB per month	Self Undertaking
4	Performance Certificate	Performance certificate for minimum 2 year satisfactory performance for MCB/MCCB supplied in last 7 years from the date of bid opening from at least two utilities/ SEBs/PSUs / <b>reputed company</b> . In case of bidder has a previous association with BRPL/BYPL for similar product and service,the performance feedback for that bidder by BRPL/BYPL shall only be considered irrespective of performance certificate issued by any third organization.	Performance certificates
5	ISO Certificate	The bidder must possess valid ISO 9001: 2015 certifications	Valid copy of Certification
6	Turnover Certificate	Bidder should have Average Annual Sales Turnover of Rs 10 Crores or more in last three (3) Financial Years (i.e., FY 2020-21, 2021-22 & 2022-23 ).	Balance Sheet / Duly certified CA certificate to be submitted
7	Undertaking-Servicing & Repairing	The bidder should have servicing, repairing, testing & refurbishment facility in INDIA with necessary spares and testing equipments for providing prompt after sales service for MCB / MCCB.- Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. The bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).	Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. the bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).
9	Undertaking-Blacklisting	An undertaking (self-certificate) that the bidder has not been <b>Blacklisted/debarred</b> by any central/state government institution/Electricity utilities as on date of bid opening.	Self Undertaking
10	Undertaking-Litigation	The Bidder shall submit an undertaking that <b>"No Litigation"</b> is pending with the BRPL or its Group/Associates Companies as on date of bid opening	Self Undertaking

11	Statuary Compliance	The bidder must have valid PAN No. and GST Registration Number, in addition to other statutory compliances. The bidder must submit a copy of registrations and submit an undertaking that the bidder shall comply all the statutory compliances as per the laws/rules etc. before the start of the supply/work	Relevant Statutory Documents Copy/Self Undertaking
12		In case bidder is an authorized partner from panel/enclosure manufacturer of MCB/MCCB manufacturer (OEM) established in India since last 3 years; the credentials of the OEM can be submitted as compliance to the QC requirements mentioned above against below mentioned points:	
12.1	Supply List	The bidder should have supplied minimum 10,000 numbers of MCB/ MCCB in last 5 years from the date of bid opening to any utilities/SEB's/PSU's/reputed company	i. Summary list of executed Purchase orders, ii. Purchase order copies iii Material delivery clearance certificate copy or Delivery completion certificates or Invoice Copies
12.2	Performance Certificate	Performance certificate for minimum 2 year satisfactory performance for MCB/MCCB supplied in last 7 years from the date of bid opening from at least two utilities/ SEBs/PSUs / reputed company. In case of bidder has a previous association with BRPL/BYPL for similar product and service,the performance feedback for that bidder by BRPL/BYPL shall only be considered irrespective of performance certificate issued by any third organization.	Performance certificates
12.3	Undertaking-Servicing & Repairing	The bidder should have servicing, repairing, testing & refurbishment facility in INDIA with necessary spares and testing equipments for providing prompt after sales service for MCB / MCCB..- Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. The bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).	Relevant Details/certificates/Undertaking ,(Details of the set-up available shall be brought out in the offer. the bidder shall also submit undertaking along with the bid confirming the infrastructure details submitted).
12.4	Plant Installed Capacity	The bidder should have manufacturing capacity of minimum 3000 Nos MCB / MCCB per month	Self Undertaking

**CHECK LIST**

Sl No	Item Description	YES/NO
1	INDEX	YES/NO
2	COVERING LETTER	YES/NO
3	BID FORM (UNPRICED) DULY SIGNED	YES/NO
4	BILL OF MATERIAL (UNPRICED)	YES/NO
5	TECHNICAL BID	YES/NO
6	ACCEPTANCE TO COMMERCIAL TERMS AND CONDITIONS	YES/NO
7	FINANCIAL BID (IN SEALED ENVELOPE)	YES/NO
8	EMD IN PRESCRIBED FORMAT	YES/NO
9	DEMAND DRAFT OF RS 1000/- DRAWN IN FAVOUR OF	BSES.....POWER LTD
10	POWER OF ATTORNEY/AUTHORISATION LETTER FOR SIGNING THE BID	YES/NO