



CURRENCY NOTE PRESS

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Nashik Road # 422101 (Maharashtra)

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Not Transferable

Security Classification:

**TENDER DOCUMENT FOR PURCHASE OF: REPLACEMENT OF 33KV
MOCB BY VACUUM CIRCUIT BREAKER ON TURNKEY BASIS**

Tender Number: 6000015180/, Dated: 22.09.2020

This Tender Document Contains _____ Pages.

Details of Contact person in SPMCIL regarding this tender:

Name: V KIRAN KUMAR
Designation: Dy.General Manager (MM)
Address: CNPN (Currency Note Press, Nashik)
India

Section1: Notice Inviting Tender (NIT)

6000015180 /

22.09.2020

(SPMCIL's Tender SI No.)

(Date)

1. Sealed tenders are invited from eligible and qualified tenderers for supply of following goods & services:

Sch d. No.	Brief Description of Goods/services	Quantity (with unit)	Earnest Money (In Rupee)	Remarks
1	Out door porcelain clad V.C.B. 33KV	1.000 AU	13000.00INR	
2	Installation & Commissioning of 33KV VCB	1.000 AU		
1	Installation of 33KV out door V.C.B.	1.000AU		

Type of Tender (Two Bid/ PQB/ EOI/ RC/ Development/ Indigenization/ Disposal of Scrap/ Security Item etc.)	TWO-BID National Competetive Bid
Dates of sale of tender documents:	From 22.09.2020 to 22.10.2020 during office hours.
Place of sale of tender documents	PURCHASE DEPARTMENT CNP NASHIK
Closing date and time for receipt of tenders	23.10.2020 14:30:00
Place of receipt of tenders	CNP PASS SECTION CNP NASHIK
Time and date of opening of tenders	23.10.2020 15:00:00
Place of opening of tenders	PURCHASE DEPARTMENT CNP NASHIK
Nominated Person/ Designation to Receive Bulky Tenders (Clause 21.21.1 of GIT)	V KIRAN KUMAR Dy.General Manager (MM)

2. Interested tenderers may obtain further information about this requirement from the above office. They may also visit our website mentioned above for further details.

3. Tenderer has to download the tender documents from the web site www.spmcil.com and submit its tender by utilizing the downloaded document, along with the required non-refundable fee of Rs. 112 per set in the form of account payee demand draft/ cashier's cheque/ certified cheque, drawn on a scheduled commercial bank in India, in favour of SPMCIL, Unit CNP, payable at Nashik.

4. If requested, the tender documents will be mailed by registered post/ speed post to the domestic tenderers and by international air-mail to the foreign tenderers, for which extra expenditure per set will be Rs 100 for domestic post and Rs 200 for international air-mail. The tenderer is to add the applicable postage cost in the non-refundable fee mentioned in Para 3 above.

5. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address given below on or before the closing date and time indicated in the Para 1 above, failing which the tenders will be treated as late and rejected.

6. In the event of any of the above mentioned dates being declared as a holiday/ closed day for the purchase organization, the tenders will be received/ opened on the next working day at the appointed time.

7. SUBMISSION OF TENDER: The bid is to be submitted in two parts:-



(i) The bid is to be submitted in two parts i.e.

Part A: TECHNO-COMMERCIAL BID and Part-B: PRICE BID separately in 02 sealed envelopes duly super scribed as Techno-commercial and Price Bid with our NIT reference No. and date. The aforesaid two envelopes should be put inside an Outer big size envelope duly sealed and this outer envelope again should be super scribed with words Techno-Commercial Bid & Price Bid against our Tender Document / NIT No., NIT Date & Due date and be addressed to the General Manager, Currency Note Press, Nashik road-422101(Maharashtra)

(ii) Quotation will be accepted by INDIA POST/COURIER SERVICE/DROP BOX only. Quotation sent by FAX/E-Mail will not be considered.

(iii) EARNEST MONEY DEPOSIT (EMD) shall be submitted in the form as given below: (a) Account Payee Demand Draft (b) Fixed Deposit Receipt (c) Banker's cheque. The demand draft, fixed deposit receipt or banker's cheque shall be drawn on any scheduled commercial bank in India, in favour of SPMCIL, Unit CNP, payable at Nashik. The earnest money shall be valid for a period of forty five days beyond the validity period of the tender i.e. 165 days from due date. EMD should be sent along with your quotation. Quotation without EMD will summarily be rejected. The Earnest Money Deposit of un-successful bidders will be returned.

8. In case of order material in your favour for Rs. 1,50,000/- or above, the supplier shall furnish the performance security amount/ Security Deposit(S.D) (10% of the ordered value) after issue of Purchase order by CNP, Nashik Road in favour of SPMCIL, Unit CNP, payable at Nashik. The performance security will be return back without any interest to successful tenderer after the completion of all contractual obligations.

9. SPECIAL INSTRUCTIONS FOR MSME/SSI/NSIC/DICREGISTERED FIRM:-

Micro and Small Enterprises firms for tendered items are exempted from submitting Tender fees and Earnest Money deposit. Please send the copy of valid registration certificate of Micro and Small Enterprises along with your bid / quotation otherwise your offer will not be considered for above exemption.

Price Preference:

(a) In tender, participating Micro and Small Enterprises quoting price within price band of L1 + 15 per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply up to 25 per cent of total tendered value.

(b) Special provisions for micro and small enterprises owned by SC or ST and Women: Out of 25 percent allowed for procurement from Micro and Small Enterprises, a sub-target of 4% and 3% shall be reserved for procurement from Micro and Small Enterprises owned by the Scheduled Caste or the Scheduled Tribe and Women entrepreneurs respectively.

Provided that, in event of failure of such Micro and Small Enterprises to participate in tender process or meet tender requirements and L1 price, 4% and 3% sub-targets for procurement earmarked for Micro and Small Enterprises owned by Scheduled Caste/Scheduled Tribe and Women entrepreneurs shall be met from other Micro and Small Enterprises.

10. EXEMPTION FOR MSME REGISTERED STARTUPS/BIDDERS AS PER CIRCULAR NO. 1(2)(1)/2016-MA DTD: 10.03.2016 OF GOVT. OF INDIA MINISTRY OF MSME.

11. NO EXEMPTION WILL BE GIVEN FOR DEPOSITING OF SECURITY DEPOSIT (S.D.) TO ANY DIC/SSI/MSME/NSIC REGISTERED FIRM.

12. EMD of a bidder will be forfeited, if the bidder withdraws or amends its tender or impairs or derogates from the tender in any respect with in the period of validity of its tender. Future, if the successful bidder fails to furnish the required performance security within the specified period, its EMD will be forfeited.

13. If the bidder or any representative of the bidder wants to attend the Bid opening then that person should carry with him /her letter of Authority (Section XVII of SBD) in the same format to be produced at the time of Bid opening



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and before the bids are opened.

14. Any dispute in the matter will be under Nashik (Maharashtra) Jurisdiction only.

15. Right of acceptance: - The Chief General Manager, Currency Note Press reserves the right to reject any or all tenders without assigning any reason thereof.

16. Clarification of Tender Documents: A Tenderer requiring any clarification or elucidation on any issue of the tender documents may take up the same with SPMCIL in writing or by fax / e-mail/ telex not later than twenty one days (unless otherwise specified in the SIT) prior to the prescribed date of submission of tender.

17. Important Instructions: The bidders are advised to visit the site before submission of the tender. CNP will not be responsible for any misquoting without site visiting.

18. For any queries regarding the tender, you may please contact at 0253-2454493 and 2461318. E-mail purchase.cnpnashik@spmcil. com.

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(Name Designation, Adress telephone number etc
of the officer signing the document)

For and on behalf of

.....



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Section II: General Instructions to Tenderers (GIT)

Part 1: General Instructions Applicable to all type of Tenderers

<http://www.spmcil.com/SPMCIL/UploadDocument/GIT.pdf>

BIDDERS ARE REQUESTED TO DOWNLOAD 32 PAGES BY CLICKING THE ABOVE SAID LINK AND SUBMIT THE SAME DULY STAMPED AND SIGNED ALONG WITH TENDER DOCUMENT. PRINTOUT OF ONLY THIS PAGE IS NOT ACCEPTABLE.

Section III: Specific Instructions to Tenderers (SIT)

The following Special Instructions to Tenderers will apply for this purchase. These special instructions will modify/ substitute/ supplement the corresponding General Instructions to Tenderers (GIT) incorporated in Section II. The corresponding GIT clause numbers have also been indicated in the text below:

In case of any conflict between the provision in the GIT and that in the SIT, the provision contained in the SIT shall prevail.

(Clauses of GIT listed below include a possibility for variation in their provisions through SIT. There could be other clauses in SIT as deemed fit.)

Sr No	GIT Clause No.	Topic	SIT Provision
01	4	Eligible Goods and Services (Origin of Goods)	NA
02	8	Prebid Conference	NA
03	9	Time Limit for receiving request for clarification of Tender Documents	NA
04	11.2	Tender Currency	INR
05	12.10	Applicability of Octroi and Local taxes	NA
06	14	PVC Clause & Formula	NA
07	19	Tender Validity	120 DAYS FROM THE DATE OF TENDER OPENING
08	20.4	Number of Copies of Tenders to be submitted	SINGLE
09	20.9	E-Procurement	NOT PERMITTED
10	35.2	Additional Factors for Evaluation of Offers	NA
11	43	Parallel Contracts	NA
12	50.1, 50.3	Tender For rate Contracts	NA
13	51.1, 51.2	PQB Tenders	NA
14	52.1, 52.3, 52.5	Tenders involving Purchaser#s and Pre-Production Samples	NA
15	53.4, 53.5, 53.7	EOI Tenders	NA
16	54.3.1, 54.5.2	Tenders for Disposal of Scrap	NA
17	55.2, 55.3, 55.7, 55.8	Development/ Indigenization Tenders	NA



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Section IV: General Conditions of Contract (GCC)

<http://www.spmcil.com/SPMCIL/UploadDocument/GCC.pdf>

BIDDERS ARE REQUESTED TO DOWNLOAD 28 PAGES BY CLICKING THE ABOVE SAID LINK AND SUBMIT THE SAME DULY STAMPED AND SIGNED ALONG WITH TENDER DCOUMENT. PRINTOUT OF ONLY THIS PAGE IS NOT ACCEPTABLE.

Section V: Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) will apply for this purchase. The corresponding clauses of General Conditions of Contract (GCC) relating to the SCC stipulations have also been incorporated below. These Special Conditions will modify/ substitute/ supplement the corresponding (GCC) clauses.

Whenever there is any conflict between the provision in the GCC and that in the SCC, the provision contained in the SCC shall prevail.

(Clauses of GCC listed below include a possibility for variation in their provisions through SCC. There could be other clauses in SCC as deemed fit)

Sl.No	GCC Clause No.	Topic	SCC Provision
01	8.2	Packing and Marking	NA
02	11.2	Transportation of Domestic Goods	NA
03	12.2	Insurance	NA
04	14.1	Incidental Services	NA
05	15	Distribution of Dispatch Documents for clearance/ Receipt of Goods	NA
06	16.2, 16.4	Warrantee Clause	MINIMUM 3 (THREE) YEARS GUARANTEE ON THE ENTIRE JOB WORK INCLUDING VACUUM BOTTLES.
07	19.3	Option Clause	NA
08	20.1	Price Adjustment Clause	NA
09	21.2	Taxes and Duties	IF THE TENDERER FAILS TO INCLUDE TAXES AND DUTIES IN TENDER, NO CLAIM THEREOF WILL BE CONSIDERED BY PURCHASER AFTERWARDS.
10	22, 22.1, 22.2, 22.4, 22.3, 22.6	Terms and Mode of payments	100% PAYMENT THROUGH NEFT WITHIN 30 DAYS RECEIPT OF MATERIAL AND ACCEPTANCE BY CNP.
11	24.1	Quantum of LD	APPLICABLE AS PER CLAUSE 24 OF GCC ALONG WITH GST. IF LD LEVIED, GST WILL BE COLLECTED FROM SUPPLIER'S INVOICE.
12	25.1	Bank Guarantee and Insurance for Material Loaned to Contractor	NA
13	33.1	Resolution of Disputes	APPLICABLE
14	36.3.2, 36.3.9	Disposal/ Sale of Scrap by Tender	NA

Section VI: List of Requirements

Schedule No.	Breif Description of goods and services (Related Specifications etc.are in Section-VII)	Accounting Unit	Quantity	Amount of Earnest Money	Remark
1	Out door porcelain clad V.C.B. 33KV	AU	1.000	13000.00INR	
2	Installation & Commissioning of 33KV VCB	AU	1.000		

1. Note: The bidders are advised to visit the site before submission of tender. CNP will not be responsible for any misquoting without visiting the site.

2. Required Delivery Schedule: -

The Supply and job work for installation & commissioning of the 33 KV VCB has to be completed within 150 days from the date of issue of purchase order.

3. Required Terms of Delivery: - FOR CNP NASHIK ROAD

i. Destination:- CURRENCY NOTE PRESS,JAIL ROAD, NASHIK ROAD -422101.

ii.Preferred Mode of Transportation :- BY ROAD.

4. Bid Validity: 120 days from the date of tender opening.

5. Bidders should submit offer as per price schedule (Section XI)in their sealed commercial bid separately.

6.Bidder have to open the link provided in Section II and IV take print out of all the documents available and then sign and stamp each and every paper and submit along with the technical tender.

7. All the copies of tenders shall be completed in all respects with all their attachments/enclosures duly numbered.

8. The total cost inclusive of all elements as cited above on FOR Currency Note Press, Nashik Road (Maharashtra), India, basis should be indicated clearly both in words and figures in the price bid.

9. RISK PURCHASE:

(a) If the supplier after submission of tender and due acceptance of the same, i.e. after placement of contract fails to abide by the terms & conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to:

(i) Forfeiture of the EMD and

(ii)Invoke the Security-cum-Performance Guarantee if deposited by the supplier & procure stores from other agencies at the risk & consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier along with other incidental charges, including custom duty, excise duty, taxes, insurance, freight etc.

(b) For all the purpose the award of contract will be considered acceptance of tender and formal contract pending signing of agreement. Supplier has to abide by all the terms and conditions of tender.



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(c) In case of procurement through alternative sources and if procurement price is lower, no benefit on this account will be passed on to the supplier.

10. The bidders firm is advised to visit the site on any working day excluding Sunday and holiday with prior intimation to CNP before submission of their offer.

11. Bidders has to submit Bank details i.e.

a) Account Number:

b) Bank Name:

c) Branch:

d) IFSC Code:



Section VII: Technical Specifications

TECHNICAL SPECIFICATION FOR 33KV OUTDOOR TYPE VACUUM CIRCUIT BREAKER:

1.0. SCOPE:

This Specifications intended to cover the design, manufacture, assembly, installation, testing and commissioning of 36 KV, 3 Ph., 50 C/S, 1250A, 25KA, Outdoor Type Porcelain Clad, Vacuum Circuit Breaker for efficient and trouble-free operation with electrically and manually spring charging, closing and tripping system as specified hereunder.

The Circuit Breakers are required complete with structures, control cubicle, operating mechanism, Terminal connector and all associated accessories and auxiliaries.

The complete work is on turnkey basis.

2.0. STANDARDS:

The Vacuum Circuit Breaker and accessories covered by this specification shall comply with the requirement of the latest edition of the following standards unless otherwise stated in this Specification.

IS / IEC Title

IEC: 62271-100: Specification for HV Switchgear and Control gear

IS: 13118: Specification for HV AC Circuit Breaker

IS: 2099: Specification for HV porcelain bushings.

IS: 5621: Specification for porcelain hollow insulator.

IS: 2633: Specification for method for testing uniformity of coating
On Zinc coated articles.

IS: 5561: Specification for Electrical Power Connectors

IS: 2147: Specification for Degree of Protection

Equipments meeting the requirement of any other authoritative standards other than IS which ensure equal or better quality shall also be acceptable. In that case the salient points of difference between the standard opted and the ISS standard given shall be brought out in the tender along with a copy of relevant portions of the said standard.

3.0. GENERAL CLIMATIC CONDITION OF SITE:

The equipment supplied against the specification shall be suitable for satisfactory operation under the following climatic conditions

- (a) Max. Ambient temp: 40 Deg. C
- (b) Maximum relative humidity: upto 90 %
- (c) Average number of thunderstorm day per annum. : 22
- (d) Max. No. of rainy days/annum: 120 days



(e) Max. annual average Rainfall: 650 mm. to 700 mm.

(f) Max. altitude above mean sea level: - 584 mtrs.

The equipment shall be of suitable design to work satisfactorily under the above conditions.

4.0. DESIGN CRITERIA:

4.1 The Equipment will be used in non-effectively neutral grounded System with fault level of 25 KA at highest system voltage of 36 KV.

4.2 Continuous current rating shall be 1250 Amp. Maximum temperature attained by any part of the Equipment at specified rating should not exceed the permissible limit as stipulate in the relevant standards. Equipment shall be designed taking 40 deg.C as maximum ambient temperature.

4.3 The circuit breaker and their components shall be capable of withstanding the mechanical forces and thermal stresses of the short circuit current of the system without any damage or deterioration of material.

4.4 The circuit breaker shall have motor wound spring charged trip free mechanism with mechanical /Electrical antipumping feature, and shunt trip.

4.5 Breaker shall be provided with

- Manual spring charge mechanism,
- Pushbutton for manual close & tripping facility,
- Mechanical ON-OFF indication
- Spring charging handle
- An operation counter
- Spring charge/discharge indicator.

4.6 Breaker shall be provided with

- Electrical spring charge mechanism (Motorised operation)
- Electrical closing & tripping facility.
- Circuit breaker status indicator
- Trip-Neutral- close, spring return to neutral switch (Breaker control switch)
- Space heater with switch and thermostat
- Auxiliary switch with 6 NO+ 6 NC contacts
- Local /Remote selector switch

4.7 For motor wound mechanism, spring charging shall take place automatically after each breaker closing operation. One open-close-open operation of the circuit breaker shall be possible.



4.8 All controls shall be suitable for 85% to 110% for closing & 70% to 110% for tripping of 110 V D.C. The A.C. supply shall be available 230V, single phase, 50 Hz.

4.9 The operating duty of the Breaker will be 0-0.3 sec-CO-3 min-CO.

4.10 There shall be no radio interference when the Equipment is operated up to maximum service voltage.

4.11 The minimum safe clearance of all live parts of the Equipment shall be as per relevant standards.

4.12 All electrical and mechanical interlocks which are necessary for safe and satisfactory operation of the Breaker shall be furnished. The interlocking device shall be of proven quality.

4.13 The Breaker shall be capable of smooth and rapid interruption of current under all conditions, completely suppressing the undesirable phenomenon even under the most severe and persistent rated short circuit conditions. There will be no abnormal voltage rise subsequent to the switching ON/OFF a capacitor bank within the rated capacity. The total make and break time (in m sec/cycle) for the breaker throughout the range of their operating duty shall be indicated and guaranteed.

4.14 The breaker shall be suitable for interrupting low inductive currents without generation of abnormal over voltage.

4.15 The breaker shall be capable of interrupting rated breaking current with recovery voltage equal to maximum line Service Voltage and at all inductive power factor of the circuit.

4.16 The Circuit Breaker shall be capable to withstand power frequency over Voltage 70 KV for 1 minute.

4.17 The Vacuum Circuit Breaker with its galvanized steel structure shall be suitable for mounting on concrete foundation. The height of the supporting structure will be such that it will be able to maintain clearance as per the relevant standard in force.

5.0. CONSTRUCTION:

Each vacuum Circuit breaker shall comprise of three identical poles linked together electrically and mechanically for synchronous operation.



Vacuum Interrupter:

The vacuum interrupter, consisting of fixed contact and moving contact, shall be interchangeable among the same type interrupter. Short circuit capacity of vacuum bottle should be 25 KA.

In vacuum interrupter the contact configuration, contact area, contact pressure will be sufficient for carrying rated current and short time rates current, without any abnormal phenomena.

- The vacuum pressure within interrupter shall be adequate to interrupt the fault current.
- Design of the vacuum bottle and its insulator encasing should be suitable for outdoor use, taking care of required creepage distance considering possibility of moisture condensation if any.
- Vacuum bottle with its insulator encasing chamber shall be hermetically sealed.

6.0 OPERATING MECHANISM:

The operating mechanism shall be suitable for rapid closing and tripping.

The opening and closing energy shall be obtained from spring charge mechanism.

The spring charging may be done by either motor operation with facility for manual charging when required with trouble free mechanism.

Local arrangement for operating breakers both electrically and mechanically shall be provided in addition to remote operation.

The mechanism shall have mechanical /electrical anti pumping.

Spring operated mechanism will be complete with opening spring, closing spring, limit switch and all necessary accessories.

There shall be mechanical ON/OFF indicator, spring charge/discharge indication and operation counter.

The operating mechanism box shall be fixed at a working height from ground level as per the standard. View glass shall be provided on hinged door at the front side.

Spring charging LS shall have sufficient no. of spare contact.

7.0 COMMON CONTROL CUBICLE:

A free standing outdoor type weather proof, dust and vermin proof cubicle shall be provided to house the operating mechanism and all other accessories except those which must be located in the pole box. Confirms to IP 55 degree of protection.



7.1 The cubicle shall be thick sheet steel and shall have hinged doors at front and rear for access to the mechanism. Doors should be of proper design for smooth opening and closing with pad locking arrangement.

7.2 A removable gland plate shall be provided at the bottom of the cubicles for Cable entry.

7.3 Terminal blocks for AC & DC shall be kept separate. Terminals shall be suitable for at least 2 X 2.5 sq.mm copper leads. All wiring shall be of 1100 V grade PVC insulated.

7.4 Thermostat controlled heaters shall be provided to prevent condensation within cubicle.

- Cubicle illumination Lamp with switch
- 3 plug pin socket, 230 V, 15A with a Control Switch..

7.5 All controls, alarms, indications and interlocking devices furnished with breaker shall be wired up to the terminal Block in the common control cubicle. All wires shall be identified at both ends with same ferrule marking in accordance with approved wiring diagram. At least 10 % spare terminal shall be provided. Scheme diagram on a durable sticker shall be fixed/placed on inside door of Control Cubicle.

8.0 INSULATORS:

Porcelain supports, interrupter housing of adequate mechanical and dielectric strength with suitable creepage distance shall have to be used. All Support/Interrupter Housing of identical ratings shall be interchangeable. Each Interrupter-Housing shall be provided with terminal stud/pad. The porcelain used in interrupter housing shall be homogeneous, free from laminations, caustics and other flaws which may impair its mechanical or dielectric strength and shall be glossy, tough and impervious to moisture.

The porcelain supports, interrupter -housing insulation shall be coordinated with that of Circuit Breaker. The puncture strength of the bushings shall be greater than the dry flashover value.

When operating at rated voltage, there shall not be any electrical discharge between live terminal and earth. No Radio disturbance shall be caused by the support insulators when operating up to the maximum System Voltage. It shall also be free from corona.

Breaker shall be suitable for ACSR conductor connection. All hardware parts like nuts, bolts, washers shall be nonmagnetic stainless steel/ hot dip galvanized.



9.0. AUXILIARY CONTACTS:

Breaker shall be provided with 6 NO & 6 NC spare auxiliary contacts in addition to the auxiliary contacts required for Breaker's own operational requirements. Contact Multipliers has to be provided if required.

These contacts shall have continuous current rating of at least 10A.

All these contacts shall be wired up to terminal block in the control cubicle.

10.0. PAINTING:

External surfaces shall be given a weather shield coat of high quality synthetic enamel paints of suitable shade & should be able to withstand tropical climate as stipulated in Sl.No.3 of this Specification.

11.0. TEST REPORTS:

a) The bidder shall submit type test and routine test reports from ERDA/CPRI/ NABL accredited/ Government recognized Test House or by leading international authorities. The bidder shall be required to submit the complete set of type test report along with the offer.

b) In case these type tests are conducted beyond five years, all the type tests as per relevant standard shall be carried out by the successful bidder at ERDA/CPRI before commencement of supply and report shall be submitted.

12.0. Technical specification:-

Outdoor Type Porcelain Clad, Vacuum Circuit Breaker

Type: - Out Door Porcelain Clad, Structure mounted Vacuum Circuit Breaker

Reference Standard: IEC 62271-100

Arc quenching medium: Vacuum

Operational voltage: - 33 KV

Rated voltage : 36 KV

Operating method : Motorized + Manual spring charge type

Frequency :50H z

Rated normal current:1250 A

Breaking Capacity: 25 KA

Making Capacity: 63 KA

Rated short Time Current for 3 sec: 25 KA

Impulse withstands voltage: 170 kV

Power frequency withstands (kv/min): 70

Operating sequence: 0-0.3 sec-CO-3 min-CO

Closing coil: 110 v DC

Tripping Coil: 110 v DC

Spring Charging: with electrically and Manually spring Charging,

Space heater:Space Heater with Thermostat control



Breaker control switch: T- N- C control switch

Local /Remote switch: Local /Remote selector switch stay put type

Make : Jyoti/ABB/Siemens

13.0. Tools and Tackles:

Special Tools and tackles which are necessary for installation, erection, testing, commissioning, loading, unloading of the equipment shall be arranged by the firm.

14.0. Civil works:

For the successful installation of outdoor 36 KV HT VCB all ancillary civil works (if any) are the part and parcel of scope of work as per the site condition.

15.0. General Terms and Conditions:-

15.1. The entire works being on turnkey basis, the firm may inspect the site with prior intimation to CNP to see the actual quantum of works.

15.2. The firm should attach the valid electrical contractor's license along with the quotation otherwise quotation will not be considered.

15.3. The entire works on turnkey basis; hence all tools, tackles and all other related ancillary should be arranged by the firm.

15.4. For the successful installation, commissioning of HT VCB all civil works related to this job shall be carried out by the firm being a turnkey works.

15.5. The vacuum circuit breaker shall be integrated, tested and commissioned with existing safety protective relay panel to satisfy the working operation of the breaker.

15.6. The works which is not specifically indicated/mentioned in the works but necessary for equipment/VCB's successful installation, testing and commissioning shall be the part of works & shall be executed by the firm without any additional cost.

15.7. If shutdown is essential for erection of works, one by one shutdown will be arranged by CNP on pre intimation basis.

15.8. The firm should take necessary precautionary measures and follow safety norms as per the safety codes.



15.9. Firm should give 03 Years guarantee of the entire works (which includes vacuum bottles also).

15.10. During Execution of works in case of any major or minor accident at site, it will be the sole responsibility of the firm and no compensation or penalty to any employee of the firm and their contractors will be borne by CNP.

15.11. Firm shall remove the existing old MOCB to facilitate for new VCB installation.

15.12. For technical evaluation, along with Technical Bid firm should enclose the technical leaflet/catalogue of the specific brand/type which they have offered.

15.13. The successful bidder firm should submit 03 set of technical catalogue and electrical drawing.

15.14. The Equipment covered by this Specification shall be complete in all respects. Any material or accessory which may not have been specifically mentioned, but is essential or necessary for satisfactory and trouble free operation and maintenance of the Equipment shall be furnished without any extra charge to the purchaser. The Equipment shall be supplied with all accessories listed in this Specification with such modifications and alternations as to safeguard the Technical requirements.



Section VIII: Quality Control Requirements

1.0 INSPECTION:

1.1. The inspection may be carried out by the purchaser at any stage of manufacture. The successful Tenderer shall grant free access to the purchaser's representative/s at a reasonable notice when the work is in progress. Inspection and acceptance of any equipment under this specification by the purchaser, shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specification and shall not prevent subsequent rejection if the equipment is found to be defective.

1.2. The supplier shall keep the purchaser informed in advance, about the manufacturing program so that arrangement can be made for stage inspection.

1.3. The purchaser reserves the right to insist for witnessing the acceptance/routine testing of the bought out items. The supplier shall keep the purchaser informed, in advance, about such testing program.

2.0 TESTS:

2.1. TYPE TESTS:

11.0 TEST REPORTS:-

a) The bidder shall submit type test and routine test reports from ERDA/CPRI/ NABL accredited/ Government recognized Test House or by leading international authorities. The bidder shall be required to submit the complete set of type test report along with the offer.

b) In case these type tests are conducted beyond five years, all the type tests as per relevant standard shall be carried out by the successful bidder at ERDA/CPRI before commencement of supply and report shall be submitted.



Section IX: Qualification/Eligibility Criteria

1. Experience and past performance: Bidder firm should have experience of carrying out similar job of Installation & Commissioning of HT Circuit Breakers/ maintenance with an order value of minimum Rs. 1,98,000/- in any one year of the last five years ending March 2019.

Note- In supports of above clause 1 the bidders should strictly produce the copies of purchase orders, experience certificates, Job completion certificates of customer as a documentary evidence.

2. Financial standing:

- i. Average Annual Turnover of the bidder firm during last three year i.e., 2016-17, 2017-18 and 2018-19 should be more than Rs. 1,98,000/-
- ii. Bidder firm should not have suffered any financial loss for more than one year during the last three years i.e. 2016-17, 2017-18 and 2018-19.
- iii. The net worth of the firm should not have eroded by more than 30% in the last three years 2016-17, 2017-18 and 2018-19.

Note - In supports of point no.2 above, the firm shall enclose copies of certified balance sheets and Profit & Loss account (certified by Chartered Accountant) for the completed three financial years i.e. for 2016-17, 2017-18 and 2018-19.

3. The firm shall enclose attested copy of GST Registration Certificate (in Reg-06) and PAN card.

4. The firm should give a declaration that they have not been black-listed/ debarred for dealing by Government of India in the past.

5. The firm has to submit an undertaking / declaration that they unconditionally accept all terms and conditions of the tender document including all section without any deviations.

6. The bidder firm must attach valid Electrical Contractor's License along with the quotation, failing which the quotation will not be considered.

7. The bidder should submit Power of Attorney of the Authorized Signatory for signing the bid, entering into contract, if awarded and for any other correspondences.

Bidders should furnish stipulated documents in support of fulfillment of qualifying criteria. Non submission or incomplete submission of documents may lead to rejection of offer.

Note: Bidder is advised to visit the site before submitting the quotation.



Tender Number:6000015180

Section X: Tender Form

Date:

To,
Currency Note Press,Nasik
A Unit of Security Printing & Minting
Corporation of India Limited
Wholly Owned by Govt. of India
Nasik

Ref: Your Tender document No.6000015180 / dated 22.09.2020

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No....., dated..... (if any), the receipt of which is hereby confirmed. We now offer to supply and deliver (Description of goods and services) in conformity with your above referred document for the sum of _____ (total tender amount in figures and words), as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the List of Requirements.

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of GCC clause 6, read with modification, if any, in Section V - 'Special Conditions of Contract', for due performance of the contract.

We agree to keep our tender valid for acceptance for a period up to, as required in the GIT clause 19, read with modification, if any in Section-III - 'Special Instructions to Tenderers' or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

.....
(Signature with date)

.....
(Name and designation)

Duly authorized to sign tender for and on behalf of

.....

.....



Section XI: Price Schedule

SUMMARY OF PRICE SCHEDULE (FOR INDIAN BIDDERS): PRICES SHOULD BE ON, FOR CNP, NASHIK ROAD BASIS.

Tender No:

Date:

Sl. No	Item description	HSN CODE / SAC NO.	UOM (Unit of measurement)	Basic price (Rs)	Freight, Insurance /Other charges (if any) (Rs)	IGST @...%	CGST @...%	SGST @...%	UNIT rate per unit (Rs) (FOR CNP, Nashik) inclusive of GST, freight and insurance charges	Quantity	Total amount for required quantity of store (Rs) (FOR CNP, Nashik) inclusive of GST, freight insurance charges and Other Charges if any
1	2	3	4	5	6	7	8	9	10	11	12
i.	Outdoor V.C.B. 33KV		JOB							1	
ii.	Installation & Commissioning of 33KV VCB		JOB							1	
GRAND TOTAL (INR)											

FOR CNP Nashik price in words.....

(Name and Signature with date)

Office Seal/Stamp

1. The order will be placed on Grand Total basis.
2. We confirm that there would not be any price escalation during the supply period. PO will be issued to the single lowest offer.
3. We confirm that we will abide by all the tender terms and conditions and we do not have any counter conditions
4. Bidders have to submit their offer strictly as per the above price schedule in their commercial bid in a separate sealed cover.
5. Dispatch Point: _____ (Bidder to indicate dispatch point from where goods dispatched)
6. Bid shall remain valid for acceptance for a period of 120 days from the date of tender opening.
6. Price Bid should be submitted in the prescribed form only. Plain paper/Letter Head will not be considered.

- Notes-**
- i. The bidder has to quote the applicable GST (i.e. IGST, CGST, SGST) as per GST law.
 - ii. Taxes and duties as applicable on the date of opening of price bid shall be taken into consideration for evaluation of bid.
 - iii. Price bids with conditions/ counter conditions are liable to be rejected.
 - iv. The bidder has to indicate SAC/ HSN code in the space provided above



- SECTION XII: QUESTIONNAIRE
 SECTION XIII: BANK GUARANTEE FORM OF EMD
 SECTION XIV: MANUFACTURER'S AUTHORIZATION FORM
 SECTION XV: BANK GUARANTEE FORM FOR PERFORMANCE SECURITY
 SECTION XVI: CONTRACT FORM
 SECTION XVII: LETTER OF AUTHORITY FOR ATTENDING A BID OPENING
 SECTION XVIII: SHIPPING ARRANGEMENT FOR LINER CARGOES
 SECTION XIX: PROFORMA OF BILLS FOR PAYMENTS
 Please [CLICK](#) the link for further details

<http://cnpnashik.spmcil.com/SPMCIL/UploadDocument/SBDTEMPLATE1.pdf>

TWO BID, SINGLE STAGE (TWO PACKETS) TENDER
BIDDER'S CHECK LIST BEFORE TENDER SUBMISSION

Part I: - TECHNO-COMMERCIAL BID

Sl. No.	Tender Submission Check Points	Check before submission Tick (✓)
1	Tender Fee	
2	Earnest Money Deposit	
3	Tender Document (Sec. I to XIX) duly Sealed & Signed.	
4	Term of Delivery :- FOR, CNP Nashik road, duly unloaded.	
5	Tender Validity 120 days as per the tender.	
6	Technical Specification –Section VII as per tender on firm's Letter head.	
7	Submit Manufacturer's Authorization form (As Applicable)	
8	Accept the Warranty clause as per tender (As Applicable)	
9	Submit the documents as per Qualification / Eligibility criteria – Section IX	
10	Fill Tender Form – Section X duly seal & sign (Without mentioning price)	
11	Delivery Period: Acceptance of delivery period as per Section VI of tender Document.	
12	Blank price schedule format as per Section XI indicating 'XXXX'	
13	Power of Attorney for signing the bid document and contract, if awarded.	

Part II: - PRICE BID

Sr. No.	Tender Submission Check Points	Check before submission Tick (✓)
1	Price Bid as per Section XI (Price including all taxes & other charges)	

.....
 (Bidder's Seal & Sign)