



JODHPUR VIDYUT VITARAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER (MM&C)
 NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR –342 003

Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. 08AAACJ8578R1ZJ

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SPECIFICATION NO.JDVVNL/SE/MM&C/TN-1491

Tenders are hereby invited in e-tender system for purchase of PURCHASE OF SINGLE POLE & THREE POLE LT MCCB are to be submitted online in electronic format on website <http://www.eproc.rajasthan.gov.in>. The details are as under-

Name of the Item	Approx. Quantity (Nos.)
1) Three Pole Moulded Case Circuit Breakers (MCCBs)	
i) Frame size 100 Amp. with fixed overload release setting 32 Amp. suitable for 10/16 KVA Three Phase DT.	2000
i) Frame size 100 Amp. with fixed overload release setting 40 Amp. suitable for 25 KVA Three Phase DT.	6922
ii) Frame size 100 Amp. with fixed overload release setting 63 Amp. suitable for 40 KVA Three Phase DT.	9058
iii) Frame size 200 Amp. with fixed overload release setting 110 Amp. suitable for 63 KVA Three Phase DT.	5000
iv) Frame size 250 Amp. with fixed overload release setting 160 Amp. suitable for 100 KVA Three Phase DT.	3000
2) SP MCCB for Single Phase Distribution Transformer for	
i) 150 Amp. Frame Size / Fixed Overload release Setting 135 Amp. suitable for 25 KVA SP Distribution Transformer	1006
ii) 100 Amp. Frame Size / Fixed Overload release Setting 80 Amp. suitable for 16 KVA SP Distribution Transformer.	1000
iii) 60 Amp. Frame Size / Fixed Overload release Setting 25 Amp. suitable for 5/10 KVA SP Distribution Transformer	2000

A.	NIT No.	TN-1491
B.	Last date for receipt of tenders	25.01.2019 upto 12:00PM
C.	Date & time of tender opening	25.01.2019 at 3:00 PM
D.	Cost of Specification	Rs. 2,950.00 (Two Thousand Nine Hundred & Fifty only) For MSME: Rs. 1,475 (One Thousand Four Hundred & Seventy Five only)
E.	Processing of RISL	Rs. 1,000.00 (One Thousand only)
F.	Bid security to be deposited	General Bidder : Rs. 7,13,871 Sick Unit : Rs. 3,56,935 SSI unit of Rajasthan: Rs. 1,78,468 *
G.	Validity	120 days from the next date of opening of techno-commercial bid.

***In case SSI unit of Rajasthan quotes the less than the tendered quantity , then they are required to furnish Bid security @ 0.5% of the value of the quantity offered by them, failing which bid shall be considered non-responsive.**

The micro , small & Medium Scale Industries of Rajasthan and sick Industries , other than Small Scale Industries , whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self attest documentary evidence duly attested by notary to claim the above.

IMPORTANT DATES

S. N .	Events	Date & Time	Location
1.	Last Date of downloading of tender specifications	Up to 24.01.2019 (04:00 PM)	www.jdvvn.com & http://www.eproc.rajasthan.gov.in
2.	Last Date of Deposit of cost of Tender Specifications, Processing fee & Bid Security	Up to 24.01.2019 (4:00 PM)	Office of Sr. A.O (Cash & CPC), JdVVNL , New Power House, Industrial Area, Jodhpur
3.	Last Date & time of submission of electronic bid	Up to 25.01.2019 (12:00 PM)	http://www.eproc.rajasthan.gov.in
4.	Opening of Technical Bid	25.01.2019 (03:00 PM)	http://www.eproc.rajasthan.gov.in
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	http://www.eproc.rajasthan.gov.in

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1. Tender documents will be made available on e-Tendering portal www.eproc.rajasthan.gov.in
The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website www.eproc.rajasthan.gov.in . The bidders can download bid up to 04:00 p.m. one day prior to schedule date of opening of respective bid mentioned above documents and submit their bids online up to 12:00 p.m. on schedule of respective bid mentioned above.
2. Eligible bidders should submit their bid well in advance instead of waiting till last date JdVVNL will not be responsible for non-submission of bids due to any website related problems.
3. The cost of Tender specification **Rs. 2950/- (For MSME Rs. 1475/-)** (Non-Refundable) to be paid by Demand Draft in Favour of the Sr. Accounts officer(Cash & CPC), JdVVNL, Jodhpur and tender processing fees Rs. **1000/-** shall be payable by demand draft in favour of The Managing Director RISL, Jaipur (Non- Refundable). The bidders are required to deposit all these payments in the office of the SE(MM&C), JdVVNL, Jodhpur up to 4.00 PM one day prior to date of tendering otherwise their bids are liable to be rejected.
4. The Bid Security amount (as applicable) to be paid by demand draft/banker's cheque in favours of SR.AO(CASH & CPC), JDVVNL, Jodhpur (Payable at jodhpur) **342003 up to 4.00 p.m upto one WORKING day prior to schedule date of opening** of respective bid or Bank guarantee, in specified format, of a scheduled bank in favour of superintending Engineer (MM&C), JDVVNL, Jodhpur be deposited to the Sr. Accounts Officer (MM&C), JdVVNL,

New Power House, Industrial Area, Jodhpur-342003 **up to 4.00 p.m. up to one WORKING day prior to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable) along with affidavit as per schedule XI on Non-Judicial Stamp of Rs. 100/-.

The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee not in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

**SECTION-III****TECHNICAL SPECIFICATION FOR SUPPLY OF MOULDED CASE CIRCUIT BREAKER AGAINST TN-1491.****3.1 SCOPE:**

This specification covers design, manufacture, assembly, testing at manufacturer's works before dispatch and delivery at Nigam stores any where in the jurisdiction of Jodhpur Discom of Moulded Case Circuit Breakers (MCCBs) of specified current ratings and suitable for three/single phase LT circuits as mentioned hereunder.

3.2 TECHNICAL REQUIREMENTS OF SPECIFICATIONS:**3.2.1 General description and Standards:**

The Moulded Case Circuit Breaker shall be generally conforming to IS: 13947-2/1993 or IEC: 60947-2 as amended up to date. The rated uninterrupted current of Three Pole MCCB shall be 250 Amp with the overload release set at 160 Amps (for MCCBs to be installed with 100 KVA Three Phase DT) & the rated uninterrupted current of Three Pole MCCB shall be 200 Amp with the overload release set at 110 Amps (for MCCBs to be installed with 63 KVA Three Phase DT) & the rated uninterrupted current of Three Pole MCCB shall be 100 Amp with the overload release set at 63 Amps (for MCCBs to be installed with 40 KVA Three Phase DT and overload release set at 40 Amps (for MCCBs to be installed with 25 KVA Three Phase DT) and overload release set at 32 Amps (for MCCBs to be installed with 16/10 KVA Three Phase DT) . The rated uninterrupted current of Single Pole MCCB shall be 150 Amp. for 25 KVA Single Phase Distribution Transformers with fixed overload release setting 135 Amp., 100 Amp. for 16 KVA single Phase Distribution Transformers with fixed overload release setting 80 Amp. and 60 Amp. for 10/5 KVA Single Phase Distribution Transformers with fixed overload release setting 25 Amp. The MCCB meeting the specified tripping characteristic shall be of utilization category-A (To be tested on test sequence 1, 2 & 3 of relevant IS) and fully type tested as per relevant standards and such type test certificates shall be furnished along with the tender.

The manufacturer should have valid ISI license/ applied with BIS for the tendered item shall be preferred. Document in support of having ISI License or have applied for the same with BIS shall be enclosed with the tender offer.

3.2.2 Make and Models:

The MCCB shall directly be purchased from the manufacturers. The make and offered model number shall be indicated invariably in the price schedule as well as Guaranteed

Technical Parameters of the tender documents. All the Manufacturers shall enclose Credentials related with type-testing of their product as per the specifications of this tender and past supplies to the Govt. Purchasers and performance certificates from such users for performance and after sale services provided by the manufacturer. The offer found not furnishing the aforesaid information with tender documents might be ignored.

3.2.3 Electrical Ratings:

The MCCB's shall be manually independent and shall have quick make-quick break Mechanism and **push to trip facility**. The MCCB shall comply with the electrical parameters detailed as under:

S. N.	Parameters	Required parameter range/ ratings.	
		TP MCCB	SP MCCB
1.	Application	Outdoor enclosed type	
2.	Specified reference ambient temperature range for which overload release is independent.	(-) 5 degC to (+) 50 deg C	
3.	No. of Poles	Three	One
4.	Rated Insulation Level	660 Volt	660 Volt
5.	Rated operating voltage	415 Volts	240 Volts
6.	Impulse withstand voltage (kV)	8 kVolts	
7.	Continuous Operating Current rating (Frame size)	100, 200, 250 Amps as specified in 3.2.1 above.	150 Amp. for 25 KVA, 100 Amp. for 16 KVA and 60 Amp. for 5/10 KVA Single Phase Distribution Transformers.
8.	Fixed Overload release setting Amp.	160 Amps MCCBs to be installed for 100 KVA Three Phase DTs & 110 Amps MCCBs to be installed for 63 KVA Three Phase DTs & 63 Amps MCCBs to be installed for 40 KVA Three Phase DTs & 40 Amps MCCBs to be installed for 25 KVA Three Phase DTs & 32 Amps MCCBs to be installed for 16/10 KVA Three Phase DTs.	135 Amp. for 25 KVA, 80 Amp. for 16 KVA and 25 Amp. for 5/10 KVA Single Phase Distribution Transformers
9.	Rated ultimate short circuit breaking capacity (Icu)	Not less than 18 KA at rated voltage and 0.4 PF.	
10.	Rated service short circuit breaking capacity (Ics)	100% of Icu at rated voltage and 0.4 PF.	
11.	Power Factor for Short Circuit (Max.)	0.4 (Lag)	
12.	Utilization Category.	"A" (IS: 13947/1993 as amended up to date)	
13.	Type of MCCB: Trip mechanism.	Hydro-magnetic / Thermal Magnetic with trip free mechanism.	

14.	Design.	Current limiting design with fast operating time & low thermal stress with compact size.
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3.2.4 Time-current characteristics:

The L.T. MCCB shall not cause any nuisance tripping due to switching current of motor & capacitor loads and shall have the following Time Current characteristics:

Multiple of normal current setting	Tripping time
1.05	More than 2.5 Hrs.
1.2	More than 10 minutes & less than 2 Hrs.
1.3	Less than 30 minutes.
1.4	Less than 10 minutes.
2.5	Less than 1 minute.
6.0	Less than 5 seconds.
12.0	Instantaneous (less than 40 milli seconds).

For above time / current characteristics, reference calibration temperature of the breaker shall be 50 Deg. C. Deration (Reduction in continuous rating due to increase in operating temperature), if any, up to ambient temp of 60 Deg. C. shall not exceed 10% of the current setting indicated above.

3.2.5 Additional features:

The Moulded Case Circuit Breaker shall have the following additional features:

- i The three-pole/ Single Pole MCCB to be provided on LV side having overload trip- release with inverse-time characteristics for overload-protection and magnetic trip-release for instantaneous tripping in the wake of short circuits.
- ii The MCCB shall be marked with “brand-name” of the manufacturer and Service breaking capacity, Ics in KA duly embossed on casing on front-side. The other particulars may be marked as per prescribed marking norms in IS:13947 and IEC: 60947-2 with standard practice of manufacturer.
- iii The contacts of MCCB shall be self-wiping type so as to keep the contacts clean and low milli-volt drop.
- iv The MCCB shall preferably have appropriate provision like position of switch different from ON & OFF state to indicate tripping of MCCB.It shall help avoid damages while handling the MCCB at site.
- v The MCCB shall have flexible mounting with line-load reversibility feature i.e. no-change in rating & breaking capacity of MCCB when mounted in different orientations and with line & load connections changed.
- vi The overload element of each pole of MCCB shall be individually calibrated and tested to ensure reliability. Every trip-latch shall be specially heat-treated,

- hardened & polished to grind finish to provide accurate tripping characteristics in close tolerance limits.
- vii In order to facilitate adequate safety to workmen while working on LT feeder beyond Distribution Transformer, the MCCB shall have suitable disconnecting functions with positive isolation feature as per provisions of relevant standard.
- viii In case of thermal type of release, the manufacturer shall be prepared to state the influence of variations in the ambient temperature range of (-) 5 degC to (+) 50 deg C. and further effect on rating and performance with every 5 deg C increase in ambient up to (+) 75 deg C. for the purpose of such derating following information shall be furnished with offer for the offered model of the MCCB by the bidder.
- ix) Purchaser at his option may ask the supplier to supply the MCCB with the extended terminal without any price implication, if at any stage he feels so. Extended terminal should be mounted on the MCCBs properly with help of plain washer backed with spring washer. The correct sequence for termination on MCCBs (incoming & outgoing sides) and connection of cable on extended terminal are as follows:
- a) MCCB side: Extended terminal Lug Plain Washer Spring Washer Bolt of suitable size.
- b) Cable side: (Connection on Extended Terminal): Nut Spring Washer Plain Washer Ext. Terminal Lug Plain Washer Bolt of suitable size.
- x) The brand name of the MCCB along with Ics value in KA should be embossed/engraved on front of the MCCBs to avoid spurious product.
- xi) The consecutive serial number on MCCBs of each rating shall be marked on casing on one side. The MCCB shall also marked tender number along with marking of **PROPERTY OF JdVVNL**.

S.N.	Ambient temperature of surroundings of MCCB in operation	Derating of MCCB in % from its standard rating at reference temperature of 50 degC.
1	55 DegC	
2	60 DegC	
3	65 DegC	
4	70 DegC	
5	75 DegC	
6	80 DegC	

3.2.6 Type, Size and Clearance of input-output terminals:

The terminal of input-output side of MCCB shall be suitable either for bottle type lugs or for U-type lugs of size for various rating of MCCBs as mentioned below:

S.N.	Rating of MCCB IN Frame / fixed overload setting ,	Lugs suitable for Copper cable of size in sq.mm	Remarks

	Amp		
1	100/63, 100/40 Amp, 100/32 Amp, 200/110 Amp & 250/160 Amp	Terminals shall be either cage-clamp type to accommodate bottle type lugs or Screw type to accommodate U-type/Ring type lugs.	Clearance between phases shall be sufficient to insert either bottle/U-type/Ring Type lugs with 35 sq.mm copper cable.

The aforesaid technical parameters of MCCB shall be specifically indicated in the relevant item of GTP. -In order to ensure proper clearance between phases after fixing of lugs; suitable phase-barriers shall be supplies with each MCCB as accessory.

3.3 TYPE TESTS:

The following certificates for type tests are essentially required:

- 3.3.1 The bidder shall enclose type test certificate for all type and acceptance test of sequence of tests-I, II & III of IS13947/IEC60947-2 complete with certified drawings, Oscillograms and approved drawing carried out from any testing house as indicated in clause No. 3 of Qualifying Requirement (Schedule-III-A) for the make and model quoted. It shall be essentially required to be furnished along with the offer clearly stating the ambient conditions under which test has been conducted. The type test certificates furnished with offer should not be older than 5 years from the date of opening of tender.
- 3.3.2 All the necessary tests/checks shall be carried out as per the stipulations of IS: 13947/1993-part-2 (latest amended) / IEC60947-2 or equivalent International standards.
- 3.3.3 **Verification of material and Type tests on sample MCCB of first lot:-**
- i) The successful supplier shall offer first lot of MCCBs comprising minimum 1,000 Nos. of MCCBs (or 20% of ordered quantity whichever is more) for inspection. After satisfactory inspection, testing & clearance from purchaser, the material shall be dispatched to Nigam's stores.
 - ii) Three samples of each rating (**for Test Sequence-I, II & III**) for balance type test shall be selected & sealed by the purchaser from the first lot received in Nigam's stores and shall be sent for type tests as per clause No. 3.3 of specification at any testing house as indicated in Clause No. 3 of Qualifying requirement (Schedule-III-A). The type test charges shall be borne by the supplier. The purchaser however in first instance may pay testing charges to the testing agency, which shall be recovered by Sr.AO (CPC) from the bill of the supplier. **However, the requirement of arranging "type test" not to be insisted on the supplier who have arranged type test reports of Test Sequence- I, II & III of IS13947/IEC947-2 complete with certified drawings, Oscillograms and approved drawing of any NABL accredited test laboratories/ Govt. approved lab for the make and model before commencement of supply. The type test should not be older than Five years from the date of opening of tender.**

- iii) **The supplies, at the option of purchaser, may be utilized in the field after successful testing of 0.1% quantity or minimum 10 Nos. samples whichever is more of each rating from the quantity consigned to each store(s) in respect of the tests mentioned below, at purchaser's lab.** The supplier can continue supplying material in anticipation of successful type test(s) results. The payment to supplier shall be released only after receipt of successful type test reports. However, in case of suppliers who have already got type tested of material of same rating or higher may be allowed to make 70% payment of the supplies.

- 1 Visual examination and overall dimensional checking and weight/ marking.

In case of failure of samples of lot/ sub-lot in the test(s) detailed above, the entire quantity of respective lot/sub-lot shall be rejected and shall have to be replaced by the supplier at his own cost. Repeated failure/ poor results in the testing may render cancellation of order.

The successful testing of all samples in respect of tests mentioned above shall be the acceptability criteria of the lot/sub-lot.

- iv) In case of successful type test results, supplies shall be continued. However, in case of failure in type test(s), double the sample of each rating shall be selected from the supplies already received to get them type tested as per clause 3.3.3(ii) above at supplier's cost. In case of failure of any samples in type test(s), the order of balance quantity including the quantity lying unused in the stores/ field shall be cancelled. The guarantee period of quantity already supplied & used shall be doubled and payment for used MCCBs shall be arranged after deducting 30% cost of consignment (s) used.
- v) However, purchaser may allow the supplier to re-offer the material after change/ modification in the design of MCCBs. The balance material shall be accepted only after successful type testing. The type testing charges shall be borne by the supplier.
- vi) Due notice shall be given to supplier for such sample selection and such testing thereof to enable them to be present for the same if so desired by them. If the supplier or his authorized representative fails to attend the sample selection and testing, the same shall be carried out unilaterally by the purchaser and the results thereof shall be binding upon the supplier.
- vii) The purchaser also reserves the right to get additional samples for all or any of the selected tests at purchaser's cost at any independent test house at any stage of supply if so considered necessary to ensure that the quality of MCCBs being offered for inspection is same as already got type tested. In case of failure, the guarantee period of the quantity already supplied by the supplier shall be doubled and purchaser reserves the right to cancel the balance quantity.

3.4 SAFETY REQUIREMENTS:

The Moulded Case Circuit Breaker shall be designed and constructed in such a way as to avoid introducing any danger in normal use and under normal working conditions, so as to ensure especially Personal safety against electric shock/ against effects of excessive voltage and Safety against spread of fire etc. The Product should be produced from a special material which reduces electrical leakage through and across the moulding in a negligible minimum and all metal parts wherever provided should be well insulated. The metallic parts of the equipment shall not remain exposed.

The design of the equipment should be based on IEC: 60947-2 safety standards enabling safe operation.

3.5 PACKING:

The packing of the equipment shall be such that it should not get damaged during transit. Each MCCB shall be supplied with a hard paper /card board carrying case suitable for easy portability, rugged use and to prevent damage during transit in addition to packing as per relevant clause of GCC. The MCCB should be immune to vibrations and shocks in normal transportation and handling.

3.6 INSPECTIONS AND TESTING:

It shall be governed by clause 1.27 of General conditions of Contract. Before dispatch, the MCCBs shall be inspected and tested by the authorized inspecting officer/Agency of the Purchaser at the works of the manufacturer. The manufacturer/supplier shall furnish the details of routine and acceptance tests, which shall be arranged at the time of inspection required as per relevant ISS to ascertain testing at the manufacturer's works in presence of purchaser's representative with following.

3.6.1 All Acceptance tests as laid down in the ISS/purchaser's specification of TN-1491 including following Routine & Acceptance Tests in addition to tests of test sequence I as per IS 13947/ 1993 shall also carried out at the works of manufacturer during inspections:

1. Visual examination and overall dimensional checking.
2. Inspection of wiring and electric operation test.
3. Verification of dielectric properties test.
4. High Voltage test at 2.5 KV for one minute between:
 - a)-Main circuit & earth.
 - b)-Each pole with other two poles shorted with MCCB in closed condition.
 - c)-Control circuit and earth.
 - d)-Shorted top and bottom terminals with MCCB in open conditions.
5. Insulation resistance test (IS: 8623) with 1000 V MEGGER between above points of S.N.4.
6. Checking availability of all special features such as line-load reversibility & positive isolation etc. and accessories specified.
7. Power frequency test(IS:8623)

8. Milli-volt drop (IS:5147)
9. Degree of protection(IS:8084)
10. Temperature rise test (conducted one sample of each rating out of 1000 Nos. or part thereof) in which contact resistance (mili volt) shall also be indicated.
11. Verification of time current characteristics (conducted one sample of each rating out of 1000 Nos. or part thereof).

3.6.2 The criteria for selection of number of samples and for acceptance of lot shall be on 0.1% quantity or minimum 10 Nos. samples whichever more of each rating is. Before dispatch, the MCCBs shall be inspected and tested by the authorized inspecting officer/Agency of the Nigam at the works of the manufacturer. The manufacturer/supplier shall furnish the details of tests, which shall be arranged at the time of inspection as per relevant ISS/IEC to ascertain routine testing at the manufacturer's works in presence of purchaser's representative.

The successful testing of all samples in respect of tests mentioned at s.no. 3.6.1 to 3.6.2 above shall be the acceptability criteria of the lot/sub-lot.

3.7 COMPLETENESS OF EQUIPMENT:

Any fittings accessories or apparatus, which may not have been specifically mentioned in the specification, shall be deemed to be included and shall be supplied by the supplier without any extra charges. The MCCB shall be a complete unit in all respect whether such details are mentioned in this specification or not.

3.8 MAINTENANCE AND GUARANTEE:

It shall be governed by clause no. 1.40 of General Conditions of Contract except that the successful bidder shall have to provide the guarantee of 36 (thirty six) months from the date of receipt of material in Nigam's store. The MCCBs found defective within the above guarantee period shall be replaced by the supplier free of cost within a period of one month from date of intimation.

3.9 BID SAMPLES:

Each bidder have to furnish one No. sample of each rating of Three Phase & single Phase MCCB along with their offer failing which their offer may be ignored.

3.10 PRICES:

The quoted prices shall be all adjusted unit FOR destination price inclusive of freight ,Insurance and GST etc in respect of MCCB. The prices shall be quoted with complete break-up of ex-works price along with applicable taxes as mentioned above. **The prices are 'FIRM'.**

3.11 ADDITIONAL ORDER

Repeat orders for additional quantities, upto 50% of original ordered quantities, may be placed by the Nigam, on the same rates, terms and conditions given in the contract.

- 3.12** As GST act has been effected from 01.07.2017, therefore, BOQ has been prepared accordingly with applicability of GST. Further, old tax structure wherever appearing in ITB/GCC/Specification may be replaced by GST as per notification. Further, GST registration number of Jodhpur Discom is 08AAACJ8578R1ZJ.

- 3.13** Every Micro, Small & Medium enterprises of Rajasthan shall be required to submit an affidavit in schedule-XI, along with duly filled bid document.

Schedule – I**SCHEDULE OF REQUIREMENT**

Name of the Item	Approx. Quantity (Nos.)
1) Three Pole Moulded Case Circuit Breakers (MCCBs)	
i) Frame size 100 Amp. with fixed overload release setting 32 Amp. suitable for 10/16 KVA Three Phase DT.	2000
ii) Frame size 100 Amp. with fixed overload release setting 40 Amp. suitable for 25 KVA Three Phase DT.	6922
iii) Frame size 100 Amp. with fixed overload release setting 63 Amp. suitable for 40 KVA Three Phase DT.	9058
iv) Frame size 200 Amp. with fixed overload release setting 110 Amp. suitable for 63 KVA Three Phase DT.	5000
v) Frame size 250 Amp. with fixed overload release setting 160 Amp. suitable for 100 KVA Three Phase DT.	3000
2) SP MCCB for Single Phase Distribution Transformer for	
i) 150 Amp. Frame Size / Fixed Overload release Setting 135 Amp. suitable for 25 KVA SP Distribution Transformer	1006
ii) 100 Amp. Frame Size / Fixed Overload release Setting 80 Amp. suitable for 16 KVA SP Distribution Transformer.	1000
iii) 60 Amp. Frame Size / Fixed Overload release Setting 25 Amp. suitable for 5/10 KVA SP Distribution Transformer	2000

NOTE:-The quantities as mentioned in the schedule of requirements are tentative and may increase/decrease as per the requirement of the Nigam.

SCHEDULE- II

PRICES

PURCHASE OF SINGLE POLE & THREE POLE LT MCCB AGAINST TN-1491

PRICE ARE 'FIRM'

Schedule – III**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of
(Name of Material/Equipment/Machinery/T&P etc.)

S.No.	Technical specification particulars	Name of IS/other to which material/equipment/ if any.	Other
	standard specification Machinery/T&P shall confirm	to which material should confirm	

Certified that we agree to all the aforesaid technical specification except at
S.No..... for which our technical specification shall be as under:-

S.No.	Technical specification particulars	Name of IS/other to which material/equipment/ if any.	Other
	standard specification Machinery/T&P shall confirm	to which material should confirm	

(Signature)
Name & Designation
with seal of the bidder.

SCHEDULE-III A**QUALIFICATION REQUIREMENT****ITEM:- SINGLE POLE & THREE POLE LT MCCB****TN- 1491**

The bidder should fulfill following qualifying requirements for successful participation in the tender along with relevant documentary evidence supporting each qualifying requirement without which the offer shall be considered non-responsive & rejected.

1.0 STATUS OF BIDDER:-

- a) The bidder should be a Manufacturer of offered items. The offers from sole selling agent/ authorized dealers shall not be entertained.
- b) Old/ New suppliers:- Any bidder located within or outside the state of Rajasthan has participated for the first time in a particular Discom & meeting minimum qualification requirement and has supplied the tendered material/or of higher rating in other utility shall be treated as an old supplier. Rajasthan's firms although supplied in past but not meeting minimum quantity supplied criterion including altogether new units which have not supplied any quantity but having adequate & required manufacturing and testing facility and technical know-how of the tendered material shall be considered as new firms and would be eligible for trial order only. In case of supply made to the licensed power utility outside India, the C.A. certificate furnished by firm shall be considered.

2.0 PAST SUPPLY & PERFORMANCE CRITERIA :-

The bidder shall meet both past supply and performance criteria as detailed below for opening of tenders:-

2.01 PAST SUPPLY:-

- 2.01.1 The bidder is required to quote for minimum **10%** of tendered quantity failing which their offer may be considered Non-Responsive.
- 2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to utility / Discoms / Govt. Departments at least 2 X QQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last 3 financial years from the date of opening of technical-commercial bid.

Note: Requirement of quantity manufactured, minimum quantity to be offered and amount of Bank Guarantee to be furnished in absence of test certificate shall be reduced to 25% for Rajasthan based units.

- 2.01.3 In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the enclosed prescribed proforma only. This prescribed proforma should be furnished either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the C.A. Certificate. The certificate should have membership number with the name & address of the chartered accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage Class, Rating of the Transformer etc. in the format prescribed, any deviation to format or information diverted format, will not be considered and rejected.

Note:-The material supplied and accepted for same/higher rating for Turnkey projects to a licensed power utility/Govt. shall be considered for the purpose of evaluating criteria. The certificate given by C.A. shall indicate above quantity separately.

2.02 **PERFORMANCE CRITERIA:-**

- 2.02.1 If a bidder has supplied up to 50% of ordered quantity in previous tender up to date of opening of subsequent tender and scheduled delivery period expired, the bid of such bidder will not be opened in the Discom for that item.
- 2.02.2 However, if the supplies have been completed for a quantity more than 50% but not completed up to date of opening of subsequent tender and scheduled delivery period expired, the quantity equal to the quantity pending in previous tender for that item shall be reduced from the subsequent tender quantity to be allocated to the bidder.

3.0 **TYPE TEST CRITERIA:-**

- 3.01 The bidder shall furnish valid and authenticated type test certificates from a Govt. approved / Govt. recognized / NABL Accredited laboratory / ILAC i.e. International Laboratory Accredited Laboratory (in case of foreign laboratory) of similar rating and design of tendered material/ equipment. Such type test certificates should not be older than 5 years as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a Govt. approved / Govt. recognized / NABL accredited / ILAC accredited, shall not be accepted, in case of their own tender. This will not apply if tendering firm is Govt. company / public Sector undertaking.

- 3.02 The bidder should furnish documentary evidence in support of the laboratory whose type test have been furnished, that the said laboratory is a Govt. / a Govt. approved / a Govt. recognized / NABL accredited laboratory / ILAC accredited (in case of foreign laboratory).
- 3.03 The type test certificates shall be furnished either in original or copy duly attested by notary.

3.04 The bids of only those bidders shall be considered to be meeting the type test criteria who furnishes complete type test certificate with the bid as per above provision.

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from a Govt. / Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished from first lot (without asking any delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed proforma at Schedule-III C or DD/ Pay Order amounting to Rs.5 Lac / Rs.1.5 Lac / Rs.0.5 Lac in case where the value of the purchase (corresponding to tendered quantity) under consideration is more than 1.5 Crore / up to 1.5 Crore/ Upto 0.5 Crore respectively. The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

- i) A new Rajasthan based unit who does not possess valid type tests reports subject to technically competent.
- ii) Where one or more type tests) is/ are older than 5 years.
- iii) Where new type tests have been added in the specification.
- iv) Where some changes in respect of type test procedure of existing type tests have been introduced in the relevant standard.
- v) Where a new item is being purchased by Nigam for the first time.
- vi) The Rajasthan & outside Rajasthan firm who does not possess valid type tests certificates, if type test reports of higher rating are furnished.

4.0 POOR RECORD OF PERFORMANCE AND DELIVERY :

The bidder who have been black listed **in any of the state Discom** or with whom business relations have been severed in Jodhpur Discom shall not be considered. Severment of business relations will be done in case of following circumstances for the period and with the recovery mentioned against each:

i) When vendor does not accept order awarded on its accepted price and terms and conditions or does not comply with contractual formalities.	Forfeiture of EMD/cancellation of vendor registration to recover amount of EMD along with severment of business relations for three years from the date of issue of order.
ii) When vendor complies with contractual formalities but does not commence supplies.	Levy of maximum recovery on account of delay in delivery along with severment of relations for a period of 2 years from the date of issue of order or in next two bids whichever is later along with forfeiture of EMD / cancellation of vendor registration.

5.0 (A) Black listing of a firm:

After having given Show Cause Notice of 30 days, and having established & cogent reasons for blacklisting of the firm as given below, the firm should immediately be blacklisted for a period of 5 years indicating reasons of doing so, in the letter itself, and a copy of such blacklisting should be given to the firm, with the approval of CLPC:-

- (i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehavior with Government official by supplier or his partner/employee, bribery, corruption or abatement of such a offence in a position where he could corrupt Nigam's official, fraud, vitiating fair tender process including substitution of or interpolation in tender, mis-representation, pilfer-aging or unauthorized use or disposal of Nigam's material issued for specific work etc.

(ii) Where a supplier or his partner or his representative has been convicted by a court of Law for offences involving moral turpitude in relation to the business dealing or where security considerations including suspected disloyalty to the Nigam/state so warrant the blacklisting.

(iii) If the State Bureau of Investigation or any other authorized investigating agency recommends for blacklisting after completing the investigation.

Note: - 1 If a supplier after having tendered for a supply or after negotiations gives application voluntarily vitiating the fair tendering process, it shall also tantamount to malpractice.

Note:-2 A register containing the reasons for blacklisting the supplier as also the names of all the partner of the suppliers and the allied concerns coming within the effective influence of the blacklisted supplier will be maintained.

Note: - 3 A register of black listed supplier will be maintained which will not only include suppliers enlisted with the Enlisting Authority but also black listed suppliers in Nigam.

Note :-4 A Black listed supplier (i) shall not be entitled for registration in any of the Discom (ii) shall not be awarded any supply order in future in any Discom during the notified period.(iii) his registration if any shall stand cancelled immediately and his registration security /EMD/S.D. shall stand forfeited. (iv) In case of blacklisting of the firm by any one of Discom for the cogent prescribed reason(s) as stipulated above, the same shall be applicable to all the three Discoms and as a consequence of blacklisting, all the pending orders to that firm, will be cancelled in all three (3) Discoms with immediate effect. However in respect of completed/executed contract G.P. obligations as well as other liabilities shall be fulfilled by the supplier.

(B) Severment of Business relation:

(a) After having given Show Cause Notice of 30 days, and having established & cogent reasons for Severment of business relation as given below, the firm should immediately be severed the business relations for a period of 2 to 3 years indicating reasons of doing so, in the letter itself, and a copy of such severment should be given to the firm, with the approval of CLPC:-

(i) The supplier continuously refuses to pay Nigam dues without showing adequate reasons and where the purchasing authority is satisfied that no reasonable dispute attracting reference to Settlement Committee or Court of Law exists for the supplier's action of non-supply.

(ii) When vendor does not accept LOI/detailed purchase order awarded on its accepted prices and terms & conditions or does not comply with the contractual formalities.

(iii) When vendor/supplier who otherwise completed contractual formalities but does not commence supplies on the date of opening of technical bid of the fresh tender/completion of schedule delivery period whichever is later.

Note-1-In case supplier does not deposit outstanding dues towards Nigam, even after completion of severment period, the period of severment will continue.

2. Severment done purely/ mainly on account of non-deposition of dues against the supplier/vendor/contractor could be lifted by CLPC, if the dues are deposited prior to the expiry of such severment period.

3. Severment done by one Discom for non-supply of material and /or corresponding non-recovery of dues will not be effective in other Discoms except in respect of common purchase cases of three Discom.

4. On severment of business, the EMD/SD/vendor registration security will be forfeited.

5. The orders in execution satisfactorily will not be cancelled other than the order on which severment have been done.

(C) DEBARMENT

Reasons on which Debarment can be made:-

(i) The competent authority may debar the supplier on account of his performance or other disabilities, if it is no longer considered fit to remain under vendor registration as per his obligation under vendor registration.

(ii) If at any subsequent stage of inspection of firms after award of contract, it is found that firm does not have sufficient tech. staff or required/necessary technical

equipments, the purchasing authority can debar the firm for one year or next tenders whichever is later. The debarment will be lifted only on re-inspection of firm's works; the defects noticed earlier are fully rectified to the satisfaction of Nigam.

(iii) When contract agreement executed and supplies commenced but could supply only up to 50% of ordered quantity and scheduled delivery period expired, then the firm can be debarred for one year or next tender whichever is later in that Discom only for that particular item/rating/ capacity/size etc.

(iv) The suppliers who have been awarded contract for supply of material is not adhering to the periodic delivery schedule, the contract awarding authority reserve the right to terminate the contract and may debar the firm in participating in tender for a period of 2 to 3 years.

Note:-1. On debarment, the EMD/ SD/Vendor Registration security shall be forfeited.

Note:-. 2. If the firm is debarred in one Discom for any reasons then the same should not be applicable in other Discom subject to exception that in case of common Discoms purchases such debarment of a firm would be applicable to all three Discoms for that particular item and rating/capacity/size etc.

6.0 APPEALS AND APPLICATIONS:-

Appeal against the order of blacklisting, severment and debarment can be filed before BOD within a period of 3 months from the date of intimation. The letter of appeal will be addressed to the order placing authority. Who will process the case for placing the matter in B.O.D. with in a period 60 days. The BOD may reduce or waive the penalty, if sufficient reasons/supporting documents are furnished by the supplier.

GENERAL CONDITIONS : - (ALL CONDITIONS BE DULY SIGNED & SEALED)

- I) The bidder shall clearly indicate the deviations such as 'Technical Deviation & Commercial Deviations' in the prescribed proforma only. The deviations indicated elsewhere in the bid shall not be accepted.
- II) The bidder must clearly fill up each and every particular of guaranteed technical particulars annexed with Technical Specifications otherwise he will be responsible for Technical Non-responsiveness.
- III) All documents required in the prescribed format are to be furnished along with the bid itself only except an attested copy of BIS license (wherever it is required), failing which the bid will be summarily rejected.

- IV) However, a copy of BIS License may be submitted by the bidder up to the official working hours of one working day prior to the schedule / notified date of opening of price bid.

- V) **The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type Test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the Type Test BG issued on or after opening of technical bid shall not be accepted.**

Schedule – III –B**BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST
CERTIFICATE**

(On Rajasthan Non-Judicial Stamp Paper worth 0.25% of BG Value or maximum upto Rs. 25,000/-)

To,
The Superintending Engineer (MM&C),
Jodhpur Vidyut Vitran Nigam Limited,
Jodhpur.

Dear Sir,

Whereas Jodhpur Vidyut Vitran Nigam Limited, Jodhpur (hereinafter called the Purchaser) has issued a tender enquiry under TN_____for procurement of _____(name of material).

Whereas M/s _____(hereinafter called the bidder) has furnished a bid for supply of _____to the Superintending Engineer(MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur.

Whereas in accordance with the provision of the specification of the aforesaid TN_____, the bidder can deposit a bank guarantee in lieu of the requirement of furnishing the type test certificates.

Whereas M/s _____(the bidder) have requested us (Name of the Bank) to furnish the bank guarantee, in lieu of the type test certificate, for an amount equivalent to Rs. _____(in words also) only.

Under this Bank Guarantee, we (Name of the Bank) hereby undertake unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to the purchaser on his first demand without whatsoever right of objection on our part and without his first claim to the bidder, in the amount not exceeding (amount of guarantee in figures and words).

Payment pursuant to this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the bidder, on receipt of the order and/or after the acceptance of this tender, makes default in furnishing the required type test certificates as to whether the occasion or ground has arisen for such demand the decision of the Superintending Engineer(MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur shall be final.

The liability of the Bank shall not at any time exceed Rs. _____(Rupees_____).

The undertaking will be determined on but will not withstanding such determination, continue to be in force till the expiry of 3 months from that date.

No indulgence or grant of time by the purchaser to the bidder without the acknowledgement of the Bank will discharge the liabilities of the Bank under this guarantee.

The guarantee herein contained shall not be affected by any change in the constitution of the bidder.

All disputes arising under the said guarantee between the Bank and the bidder or between the bidder and the purchaser pertaining to the guarantee shall be subject to the jurisdiction of Courts only at Jodhpur in Rajasthan.

The Bank further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer(MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur.

Notwithstanding anything contained herein before, the Bank's liability under this guarantee i.e. restricted to Rs. _____(Rupees _____) and the guarantee shall remain in force within three months from that date, the Bank shall be released and discharged from all liabilities there under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

IN WITNESS WHEREOF THE Bank has executed these presents the day ____month__ and year_____.

Yours faithfully,

(Bankers)
EXECUTANT

Witnesses:

1.

2.

SCHEDULE-IV `A`

Must be filled-in by the tenderer and attach with technical bid (Part-I)

To,

The Superintending Engineer (MM&C),
Jodhpur Vidyut Vitran Nigam Limited,
Jodhpur
Dear Sir,

With reference to your invitation to tender against specification No. JdVVNL/SE/MM&C/TN-1491 we agree to supply the following quantity:-

S. No	Particulars of item	Tendered Quantity (Nos.)	Qty. Offered	Justification of quantity offered as per Qualifying Requirement.	Status of Type Test Certificate
1	2	3	4	5	6
	1) Three Pole Moulded Case Circuit Breakers (MCCBs)				
	i) Frame size 100 Amp. with fixed overload release setting 32 Amp. suitable for 10/16 KVA Three Phase DT.	2000			
	ii) Frame size 100 Amp. with fixed overload release setting 40 Amp. suitable for 25 KVA Three Phase DT.	6922			
	iii) Frame size 100 Amp. with fixed overload release setting 63 Amp. suitable for 40 KVA Three Phase DT.	9058			
	iv) Frame size 200 Amp. with fixed overload release setting 110 Amp. suitable for 63 KVA Three Phase DT.	5000			
	v) Frame size 250 Amp. with fixed overload release setting 160 Amp. suitable for 100 KVA Three Phase DT.	3000			
	2) SP MCCB for Single Phase Distribution Transformer for				
	i) 150 Amp. Frame Size / Fixed Overload release Setting 135 Amp. suitable for 25 KVA SP Distribution Transformer	1006			
	ii) 100 Amp. Frame Size / Fixed Overload release Setting 80 Amp. suitable for 16 KVA SP Distribution Transformer.	1000			
	iii) 60 Amp. Frame Size / Fixed Overload release Setting 25 Amp. suitable for 5/10 KVA SP Distribution Transformer	2000			

- The offer is valid for a period of 120 days from the date of opening of this tender.
- The Prices are `FIRM`
- It is noted that the quantities as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery clause as given in **Schedule-VIII** of this specification. In case we fail to deliver the material as indicated in the clause No. 1.23 of G.C.C. (Schedule-II), we are liable to pay recovery for delay in delivery as per clause No. 1.24 of this Schedule-II of this specification.
The material shall conform to your specification No. JdVVNL/SE/MM&C/TN-1491 and as per relevant ISS in all respect.
- We confirm that we agree to all the terms & conditions as well as the technical stipulations of your specification No. JdVVNL/SE/MM&C/TN-1491 and there are no deviations other than as specified in the **Schedule VI (A&B)**.

Yours faithfully,

Signature of tenderer
with stamp
Dated

Schedule – V**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking**

Statement of guaranteed technical particulars and other performance data for supply of
 (Name of material) against specification
 no.....

S.No.	Particulars of technical & other performance data guaranteed.
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Certified that we agree to all the aforesaid technical particulars and other performance data except following :-

S.No.	Particulars of technical & other Performance data	Reasons for deviations/departure.
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(Signature)

Name & Designation
with seal of the bidder.

Schedule – V(A)

**GUARANTEED TECHNICAL PARTICULARS FOR MOULDED CASE
CIRCUIT BREAKER AGAINST TN-1491
(TO BE FURNISHED ALONG WITH TENDER)**

S.N.	Description	Technical Particulars Offered
1a.	Name of the manufacturer & Address of office.	
b.	Address of works	
C	GSTIN	
2.	Make	
3.	Type and Model of MCCB	
3.	Number of Poles	
4.	Rated frequency , Hz.	
5.	Utilization category.	
6.	Standards to which confirms to for:	
	a- Accuracy	
	b-protection/ safety	
7.	Rated Operating Current, Frame size Amp(In)	
8.	Conventional thermal current(Ith)	
9.	Rated Operational Voltage, Volts	
10.	Fixed Overload release setting (Amp)	
11.	Rated Insulation Voltage ,(Ui)	
12.	Rated service short ckt. Breaking capacity, Ics (KA rms) at 0.4 pf.	
13.	Rated ultimate short ckt. Breaking capacity, Icu (KA rms) at 0.4 pf.	
14.	Rated short Ckt. Breaking capacity, Ics (KA) is 100% of ultimate breaking capacity, Icu.	
15.	Power factor for short ckt. (Max.)	
16.	Temperature dependent or independent with reference ambient.	

17.	In case of thermal type of release, the manufacturer shall state the influence of variations in the ambient temperature range of (-) 5 degC to (+) 50 deg C. and further effect on rating and performance with every 5 deg C increase in ambient up to (+) 75 deg C.	
18.	Deration permissible and actual duration up to max. temperature of 80 deg C.	
	Ambient temperature of surroundings of MCCB in operation	Derating of MCCB in % from its standard rating at reference temperature of 50 degC.
i	55 DegC	
ii	60 DegC	
iii	65 DegC	
iv	70 DegC	
v	75 DegC	
vi	80 DegC	
19.	Power loss and milli volt drop values.	
20.	Protection against Over load.	
21.	Withstand voltage.	
22.	Type of operating mechanism with Operating principle.	
23.	Type of release.	
A	Overload release.	
B	Short circuit release.	
24.	Whether Short circuit release is at (N x In) Amp and type of release Fixed/Variable.	
25.	Is Rated short time withstands current of offered MCCB is 12 x In as per IS.	
26.	Whether time-current characterstics is as per specifications with limit of de-rating with temperature rise.	
27.	Whether the MCCB is having disconnecting functions with positive isolation features.	

28.	Whether the MCCB is having flexible mounting with line-load reversibility features i.e. no-change in rating & breaking capacity of MCCB when mounted in different orientations and with line & load connections changed.	
29.	Type of input-output terminal Screw type or cage-clamp type.	
30.	Whether clearance between terminals is as per requirement of specifications clause 3.2.6.	
31.	Weight of the MCCB	
32.	Dimensions of the MCCB	
33.	Whether samples submitted with offer as specified.	
34.	Whether Instructions and operating manual supplied with each MCCB.	
35.	Details of Type test report enclosed with offer.(To be verified during inspection in case successful bidder)	

Date

**Name of Firm
Signature of Bidder
Designation & Seal**

Schedule – VI (A)

JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION

The bidder shall state under this schedule the departure from the Purchaser's specification in respect of technical is as under:-

S.No.	Main Deviations from Technical Specification.
-------	---

Certified that we agree to all the technical specification of the NIT except for the deviation to the extent indicated above.

(Signature)
Name & Designation
with seal of the bidder.

Schedule – VI (B)

JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE
SPECIFICATION

The bidder shall state under this schedule the departure from the Purchaser's specification in respect of Commercial terms & conditions:-

S.No.	Main Deviations from Specification.
-------	-------------------------------------

Certified that we agree to all the commercial terms & conditions as laid down in General Conditions of Contract to the specification except for the deviation to the extent indicated above.

(Signature)
Name & Designation
with seal of the bidder.

Schedule – VII**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking
LIST OF PAST SUPPLIES**

The bidder shall state under this schedule whether material and equipments, similar to those offered in the tender have been previously supplied by him. A list shall be given of such orders executed by him together with information regarding the names of purchasing organizations, quantities supplied and when the supplies were effected. This list should be in form given below:-

S.No.	Detailed particulars of items supplied Completion	Qty in Nos.	Order No. & Date	Name & details of purchasing authority	Date of
1	2	3	4	5	6

If executed partially to be mentioned (Qty. in Nos..)	whether still to be executed	Delivery stipulated in order	Remarks
7	8	9	10

Note: Separate schedules are to be furnished by the bidder for past supply to the **JVVNL/AVVNL/JdVVNL**, other State Electricity Boards and other Departments /Organisations.

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-VIIIA**TN-1491****TO WHOMSOEVER IT MAY CONCERN**

This is to certify that M/s. _____ (Complete with address) have manufactured and supplied the goods / equipments / material during the following financial year(s) to the Utilities / Government Departments / Discoms/ SEBs as detailed out below:

FOR THE LAST THREE FINANCIAL YEARS FROM THE DATE OF OPENING OF TECHNO-COMMERCIAL BID.

S.No	Financial year in which material supplied	Detailed Particulars of item(s) supplied	Name and particulars of purchasing authority	Order No. & date against which item(s) supplied	Unit	Ordered		Actual Supplied up to		Remarks
						Quantity	Value (Rs)	Quantity	Value (Rs)	
1	2	3	4	5	6	7	8	9	10	11

Signature ,
Name & Designation
With Seal of the Bidder
Date _____
Place _____

Signature of C.A
Name :
Address:

Membership No

The above particulars are true and correct based on explanations, records and books of accounts produced before us. Further the above certificate issued on the request of the company

CA Firm (_____)

Note:- The CA Certificate should be furnished on the letter head of CA and must be signed by the bidder and C.A. firm. The details i.e. address of C.A. & membership No. shall clearly be mentioned on C.A. certificate. In case C.A. certificate is not signed by the bidder/furnished without membership No. & address of C.A. then same may not be considered for which responsibility rests with the bidder.

Schedule – VIII**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking
DELIVERY SCHEDULE****PART-A**

The delivery schedule of the material by the Purchase Officer is as mentioned hereunder:-

Sr. No.	Particulars of Material	Commencement period	Rate of supply per month	Period for completion of delivery of entire material
1.	Single Pole & Three Pole LT MCCB	After 60 Days from the date of receipt of detailed Purchase Order.	_____ Nos. per month (to be quoted by tenderer)	Completion in six months at equal monthly rate, thereafter.

PART-B

In case bidder deviates from the delivery schedule mentioned by the purchaser in Part-A then the delivery schedule shall be indicated/mentioned by the bidder as under:-

S.No.	Particulars	Commencement	Rate of supply	Period for
	completion		of Material	period per Month.
	per Month	of delivery of entire		
	material			

- Note:** 1. During the commencement period the process of model assembly and submission of B.O.M. for approval shall be got completed.
2. During the commencement period the contractual formalities shall be got completed.

(Signature)
Name & Designation
with seal of the bidder.

Schedule – IX**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****List of Equipments and Technical Hands Available with the Firm**

(To be filled in by the bidders & enclosed with the bid)

Manufacturers and / or their authorized agents who are quoting against this bid are requested to furnish the following information along-with the bid. The Purchaser will have the discretion to ignore the bid without the under noted particulars and/or ignore the bid particulars.

1.	Name and Address of Manufacturer (with landline, mobile & FAX No.)	
2.	Official email ID	
3.	Whether firm is proprietorship/partnership/ Limited (Please give details and also enclose copy of memorandum of constitution of firm along with name of directors/ partners/proprietor & their address.	
4.	Place where works exist (indicate the name of the only one works from where you want to supply the offered material).	
5.	Details of machinery particularly with B.H.P. of each item installed.	
6.	Details of staff employed in the works	
7.	Date when started the manufacturing of item under reference	
8.	List of items manufactured.	
9.	Literature and drawings of items manufactured showing their description, size, design and other important technical particulars	
10.	Details of order so far, executed alongwith the names of organization to whom supplied.	
11.	Manufacturing capacity.	
12.	Is the workshop open for inspection by the representative of the board, if required?	
13.	Statement of financial resources and Banking Reference along with Balance-Sheet for previous two years	
14.	Testing facilities available for the manufactured articles in the testing laboratory of works.	
15.	Whether the Firm is a small/medium/large scale industry.	
16.	Registration No. with :-	
	i. Small Scale, National/State.	
	ii) DGTD	
	iii) State Industries Department	

(Signature)Name & Designation
with seal of the bidder.

Schedule - X**GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF**

**JODHPUR VIDYUT VITRAN NIGAM LIMITED
(MATERIAL MANAGEMENT)
NEW POWER HOUSE, INDUSTRIAL AREA JODHPUR-342003**

TELEPHONE: - 0291-2651376**FAX: - 0291-2746539**

SPECIFICATION FOR SUPPLY OF SINGLE POLE & THREE POLE LT MCCB UNDER SPECIFICATION NO.JdVVNL/SE/MM/SPO-V/TN-1491.

Last date for receipt of tenders	25.01.2019 upto 12:00PM
Date & time of tender opening	25.01.2019 at 3:00 PM
Bid security to be deposited	General Bidder : Rs. 7,13,871 Sick Unit : Rs. 3,56,935 SSI unit of Rajasthan: Rs. 1,78,468 *
Cost of the specification	Rs. 2,950.00 (Two Thousand Nine Hundred & Fifty only) For MSME: Rs. 1,475 (One Thousand Four Hundred & Seventy Five only)
Processing of RISL	Rs 1,000.00 (non-refundable)
Validity	120 days from the next date of opening of techno-commercial bid

***In case SSI unit of Rajasthan quotes the less than the tendered quantity , then they are required to furnish Bid security @ 0.5% of the value of the quantity offered by them, failing which bid shall be considered non-responsive.**

The micro , small & Medium Scale Industries of Rajasthan and sick Industries , other than Small Scale Industries , whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self attest documentary evidence duly attested by notary to claim the above.

VERY VERY IMPORTANT

The bids not accompanied with qualification requirement, technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:

1. Capacity, capability and competency proofing documents.
 - a. Capacity/orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b. Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt.

2. Departments / Discom for similar or higher rating equipment latest executed.
3. Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
4. The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
5. Quality assurance plan.
6. Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.
7. Bids without Section-I, II, III & Schedules (I to XI) shall be rejected.
8. Bids shall be furnished **through online**.
9. JdVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.
10. JdVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (**Section-III**).
11. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
12. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of Nigam (JdVVNL):-
 - i. Suitable accommodation.
 - ii. Local conveyance between arrival point, place of stay, works and departure point.
 - iii. The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided

Schedule- XI

**Format of Affidavit
(ON NON JUDICIAL STAMP OF RS. 100/-)**

I _____ S/o _____ Aged _____ Yrs. _____
Residing at _____

_____ Proprietor/Partner/Director of
M/s _____ do hereby solemnly affirm and declare that:

(a) My/Our above noted enterprise M/s _____ has been issued acknowledgement of Entrepreneurial Memorandum Part II by the District Industries Centre _____. The acknowledgement No. is _____ dated _____ and has been issued manufacture of following items:

Name of Items	Production Capacity (Yearly)
---------------	------------------------------

- (i)
- (ii)
- (iii)
- (iv)
- (v)

(b) My/Our above noted acknowledgement of Entrepreneurial Memorandum Part-II has not been cancelled or withdrawn by the Industries Department and that the enterprise is regularly manufacturing the above items.

(c) My/Our enterprise is having all the requisite plant and machinery and is fully equipped to manufacture the above noted items.

Place _____

Signature of
Proprietor/Director Authorized Signatory
With Rubber Stamp and date

GENERAL
Amendments in GCC & ITB

- 1) **Wherever EMD and Security Bank Guarantee (SBG), are appearing in the ITB, GCC & other Bidding Documents, same is hereby replaced by BID SECURITY as under:-**

BID SECURITY

Bid security shall be 2% of the estimated value of subject matter of procurement put to bid. In case of Small Scale Industries of Rajasthan it shall be 0.5% of the quantity offered for supply and in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of bid. Every bidder, if not exempted, participating in the procurement process shall be required to furnish the bid security as specified in the notice inviting bids.

In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the value of the quantity offered by them, failing which bid shall be considered non-responsive.

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur) 342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favour of Superintending Engineer (MM&C), JDVVNL, Jodhpur, be deposited to the Sr.Accounts Officer (MM&C), JDVVNL, New Power House, Industrial Area, Jodhpur-342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable) along with affidavit as per schedule XI on Non-Judicial Stamp of Rs. 100/-.

The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee not is proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence duly attested by Notary to claim the above.

- 2) **Wherever Performance Bank Guarantee (PBG) and Composite Bank Guarantee (CBG) are appearing in the ITB, GCC & other Bidding Documents, same are hereby replaced by PERFORMANCE SECURITY as under:-**

PERFORMANCE SECURITY

- (i) Performance security shall be solicited from all successful bidders except the department's of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.
- (ii) Performance security from the successful bidder shall be **5%** of the amount of supply order (in case of established suppliers)/ **1%** of the amount of supply order (in case of Micro, Small & Medium scale industries of Rajasthan)/ **2%** of the amount of supply order (in case of sick industries) / **10%** of the amount of supply order (in case of other suppliers). In case of successful bidder, the amount of bid security may be adjusted in arriving at the amount of the performance security, or refunded if the successful bidder furnishes the full amount of performance security.

3) VENDOR REGISTRATION

The relaxation/exemption given to the registered vendors of the Nigam in respect of EMD/SBG, wherever appearing in the ITB, GCC & other Bidding documents, are hereby WITHDRAWN.

4)The indirect taxes i.e. Excise Duty, Service Tax, VAT/CST, Entry Tax etc. mentioned in G.C.C., may now be read as G.S.T.

5) Due Date of payment:

Payment shall be due and payable by the purchaser in accordance with the provision of the contract within a reasonable period from the date of receipt of each invoice by the contractor / supplier duly supported by a certificate of the Engineer. The purchaser will take all possible effort to make payment to the contractor / supplier generally on **45th day** after receipt of duly verified challans / receipts / bill in the office of paying authority (Sr. Accounts Officer (Cash &CPC) Jodhpur Discom, Jodhpur / Concerned Circle Accounts Officer) and completion of contractual formalities. But in case of delay in payment the purchaser shall not be liable to pay any interest on the outstanding amount to the contractorsupplier.

APPENDIX-A

Bank Guarantee No. _____.
 Security Amount : _____.
 Issued on dated : _____.
 Valid upto : _____.
 Claim upto / Grace period: _____.

PERFORMA OF BANK GUARANTEE FOR BID SECURITY

(Bank Guarantee in lieu of bid Security on non-judicial Stamp Paper of Rajasthan State of 0.25% of the B.G. value or Rs.25,000/-, whichever is less)

To,

The Superintending Engineer (MM&C),
 Jodhpur Vidyut Vitaran Nigam Limited,
 Jodhpur.

1. Whereas _____ (name of the Bidder) (hereinafter called “the Bidder”) has submitted its bid dated _____ (date of submission of bid) for _____ (name of contract/ name of the material with Bid no. / TN No. _____) (hereinafter called ‘the Bid”).
2. KNOW ALL PEOPLE by these presents that WE _____ (name and address of branch of Bank) of _____ (name of country), having our registered office at _____ (addresses of bank) (hereinafter called ‘the Bank”), are bound unto _____ (name of Purchaser) (hereinafter called “the Purchaser”) in the sum of Rs. * _____ 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____.
3. THE CONDITIONS of this obligation are :
 - i. If the bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Form; or
 - ii. If the bidder refuses to accept the correction of error in his Bid; or
 - iii. 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 Agreement within the time specified in purchase / work order, if required, or
 - b. Fails or refuses to furnish the performance security within the time specified in purchase / work order in accordance with the GCC, or
 - c. Fails to commence supply of goods or services or execute work as per purchase / work order within time specified.
 - iv. If the bidder breaches any provision of the Code of integrity specified in the RTPP Act and Chapter VI of the RTPP Rules.
4. We undertake unconditionally and irrevocably to guarantee as primary obligator and not as surety merely to pay to the purchaser a sum of Rs. _____ (in words Rs. _____)

- upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the above three conditions specifying the occurred condition or conditions.
5. The decision of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.
 6. This guarantee shall not cease or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Contractor or without our consent or knowledge.
 7. The guarantee herein contained shall not be affected by any change in the constitution of the Contractor.
 8. We _____(Bank Name) further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur.
 9. All disputes arising under the said guarantee between the Bank and the Nigam or between the Contractor and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of the Courts in Jodhpur, Rajasthan alone.
 10. This guarantee will remain in force up to and including one hundred eighty (180) days after the date of the opening of bids, i.e. upto _____, with a further grace period of Ninety (90) days and any demand in respect thereof should reach the Bank not later than the above date.

Yours faithfully,
Bankers (EXECUTANT)
Signed by the above named Bank in presence of :
(signature with full Name and Address)

Witness :

1. _____.
2. _____.

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing Bank.

* The Bidder should insert the amount of the guarantee in words and figures denominated in the currency of bid.

Note : In case the bid is submitted by a Joint Venture, the Bid Bank guarantee shall be in the name of Lead partner or in the name of joint venture partners submitting the Bid covering all the partners of the joint venture.

Appendix-B**IMPORTANT INSTRUCTION**

As discussed following instructions/clarifications are required to be incorporated in the tender specification:

1. All the intending bidders are requested to submit hard copy of all the document(s), uploaded on the e-procurement web-portal, in a sealed envelop in the office of the SE (MM & C), JdVVNL, Jodhpur. This sealed envelop shall be opened on the same date of bid opening i.e. on website of e.proc.rajasthan.
2. Bidders are requested to read the bid documents very carefully and upload their bid well in time. Please note that no further chance shall be given for attending shortcoming(s), if any and in the event of shortcoming in any tender document(s), the bid is likely to be rejected.
3. At the time of accepting counter offer given or at the time of negotiation, bidders change the quantity of original offer & give the conditional acceptance of counter offer which is not in accordance with RTPP rules and Act therefore Negotiation with the bidders or counter offer given to bidder shall be accepted in terms of price only. Restriction on quantity to be supplied or any other conditional offer shall not be accepted. If any conditional offer is given then that bidder shall be treated for violation of the code of integrity in terms of sec 11 of RTPP Act and Rule 80 of RTPP Rules and action shall be taken against defaulter bidder in accordance with RTPP Rules and Act.
4. In case of bid security deposited, the firm deposits lesser security than the required amount, bid shall be rejected.
5. As per notification SO 165 issued by Fin. Dept. dt. 19.11.2015 on reference to RTPP rules, "clause 8(A)" bidding document shall be provided to MSME at 50% of prescribed cost.
6. RTPP Act 2012 & RTPP rules 2013 shall be applicable for the procurement process.
7. A declaration regarding debarment/blacklisting/code of integrity shall be given by bidder in Annx-'A' .

ANNEXURE-A

SELF ATTESTED UNDERTAKING TO BE GIVEN ON FIRM'S LETTER HEAD

We, the undersigned declare that:

- 1. Our firm, its affiliates of subsidiaries including any subcontractor or suppliers for any part of the contract have not debarred by the state government or the procuring entity or a regulatory authority under any applicable law.**

- 2. We declare that we have complied with and shall continue to comply with the provision of the code of integrity including conflict of interest as specified for bidders in the RTPP Act 2012, RTPP Rules 2013 and the bidding document during the procurement process and execution of contract till completion of all our obligation under contract.**

**Firm's Name
Seal & Signature**