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(TN-2378)

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1. The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website <http://www.eproc.rajasthan.gov.in/nicgcp/app>. The bidders can download bid documents and submit their bids upto 5.00 p.m. one day prior to schedule date of opening of bid.
2. The **cost of tender specification** (non-refundable) and **EMD** in Demand draft/ Banker's cheque in favour of the Accounts Officer (MM), JVVNL, Jaipur (payable at Jaipur) and **tender processing fees of Rs. 1,000/-** (non-refundable) payable by Demand Draft in favour of Managing Director, RISL (payable at Jaipur) can be deposited in the office of the Accounts Officer (MM), JVVNL, Old Power House Premises, Bani Park, Jaipur-302006 upto 2.00 p.m. **upto one WORKING day prior to schedule date of opening of respective bid. However the bidders who possess valid vendor registration issued by JVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract)** for supply of quoted items under appropriate category are not required to furnish Earnest Money Deposit. The Central and State Govt. undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt. (Central/State) undertaking. **They shall upload the proof of such valid registration/exemption certificate with their bid.**

3. The bidders are required to **upload the** receipt of depositing all above payments along with their tender at the relevant place on the scheduled date & time otherwise their bids are liable to be rejected
4. Eligible bidders should submit their bid well in advance instead of waiting till last date. JVVNL will not be responsible for non-submission of Bid due to any website related problems.

Note :- All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.

**JAIPUR VIDYUT VITARAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER (MM)
OLD POWER HOUSE PREMISES, BANI PARK, JAIPUR -06**

TELEPHONE: 0141-2202607

TELE FAX: 0141-2202025

**BID DOCUMENTS FOR PURCHASE OF 36 KV INDOOR VCB UNDER
SPECIFICATION NO.JPD/SE/MM/SPO-V/TN-2378**

LAST DATE AND TIME FOR BID SUBMISSION	12.01.2017 at 5.00 p.m.
DATE AND TIME OF OPENING OF BID	13.01.2017 at 3.00 p.m
EARNEST MONEY TO BE DEPOSITED	Rs.2,00,000.00
COST OF THE SPECIFICATION	Rs.2,500.00(non refundable)
TENDER PROCESSING FEE	Rs.1,000.00(non refundable)
VALIDITY	120 DAYS FROM THE NEXT DATE OF OPENING OF TECHNO- COMMERCIAL BID

SCHEDULE OF REQUIREMENT

S.No	ITEM	QUANTITY
1	36 KV INDOOR VCBs	20 Nos.

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

PRICE ADJUSTMENT FORMULA
36 KV INDOOR VCBs (TN-2378)

The price quoted / confirmed is based on the cost of raw materials / components and labour cost as on the date of quotation and the same is deemed to be related to prices of raw materials / components and all India average consumer price index number of industrial workers as specified in the price variation clause given below. In case of any variation in these prices and Index number, the price payable shall be subject to adjustment up or down in accordance with the following formula :-

$$PV_1 = \frac{P_o}{100} \times \left(25 + 17 \frac{IS}{IS_o} + 18 \frac{C}{C_o} + 10 \frac{Al}{Al_o} + 13 \frac{In}{In_o} + 17 \frac{W}{W_o} \right) - P_o$$

Wherein,

PV_1 = Variation price in Indian rupees on account of variation in Input costs of indigenous content, and labour costs payable in accordance with the above formula.

P_o = Price quoted / confirmed Minus (-) I_o

IS_o = Wholesale price index number for "Ferrous Metals" (base : 2004-05= 100) (refer notes).

This index is as applicable on the first week ending Saturday of the month, three months prior to the date of tendering.

C_o = Price of electrolytic copper wire bars (refer notes).

This price is as applicable on the first working day of the month, one month prior to the date of tendering.

Al_o = Price of busbar grade aluminium (refer notes).

This price is as applicable on the first working day of the month, one month prior to the date of tendering.

In_o = Price of epoxy resin (refer notes).

This price is as applicable on the first working day of the month, one month prior to the date of tendering.

W_o = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2001 = 100).

This index number is as applicable for the month, four months prior to the date of tendering. For example, if the date of tendering falls in May, 2010, the applicable prices of electrolytic copper wire bars (Co), busbar grade aluminium (Al) and insulating material (In) should be for the month of April, 2010 and wholesale price index of Ferrous Metals (IS) should be for the first week ending Saturday of February, 2010 and all India average consumer price index number (W) should be for the month of January, 2010.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA (PVC)SWGR/___/___ prevailing as on first working day of the month _____ i.e. one month prior to the date of tendering.

IS = Wholesale price index number for "Ferrous Metals" (base : 2004-05= 100) (refer notes).

This index is as applicable on the first week ending Saturday of the month, four months prior to the date of delivery.

C = Price of electrolytic copper wire bars (refer notes).

This price is as applicable on the first working day of the month, two months prior to the date of delivery.

Al = Price of busbar grade aluminium (refer notes).

This price is as applicable on the first working day of the month, two months prior to the date of delivery.

In = Price of epoxy resin (refer notes).

This price is as applicable on the first working day of the month, two months prior to the date of delivery.

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base 2001 = 100).

This index number is as applicable for the months, five months prior to the date of delivery.

For example, if the date of delivery in terms of clause given below falls in December, 2010 the applicable price of raw materials viz. C, Al and In should be for the month of October, 2010 and wholesale price index of "Ferrous Metals" (IS) should be for the first week ending Saturday of August, 2010 all India average consumer price Index number (W) should be for the month of July, 2010.

The "date of delivery" is the date on which the switchgear equipment is notified as being ready for inspection / dispatch. (In the absence of such notification the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

Note:- The base date will be 1.12.2016 irrespective of date of tender opening.

PRICES & PRICE VARIATION

- a) The prices quoted shall be variable as per Price Variation Formula given in the Specification (Schedule-III-A) without any ceiling.
- b) If the price variation formula is changed, the same shall be applicable for the price variation. During the transit period when both old and new indices are being circulated, then the admissible Price Variation shall be applicable, which is advantageous to Nigam, and the period from which the old indices are discontinued then the P.V. shall be admissible with the new indices.
- c) The date of delivery applicable for claiming price variation shall be the date prevailing on the first day of Calendar month which shall be determined in the manner prescribed hereunder:-
 - (i) When the material is offered within stipulated delivery schedule : For allowing P.V. the date of delivery shall be considered the date on which material is notified as being ready for inspection or date of receipt of inspection call in the office.
 - (ii) When the material is offered after expiry of stipulated delivery schedule : For allowing P.V. in the cases supplies are made after the expiry of scheduled delivery, the price prevailing in the last month of the stipulated scheduled delivery or the date on which material is notified as being ready for inspection or date of receipt of inspection call in the office, whichever is beneficial to Nigam shall be allowed.
 - (iii) When the material is offered ahead of delivery schedule on the request of Jaipur Vidyut Vitran Nigam Limited : Normally supplies ahead of delivery schedule shall not be accepted. However in case of urgency of material, if supplies are accepted ahead of delivery schedule, PV shall be allowed on the basis of the material is notified as being ready for inspection or date of receipt of inspection call in the office.
 - (iv) When the material is offered ahead of delivery schedule by firm at their own and accepted by Nigam on the request of firm: Normally the request of the firm to accept the material ahead of delivery schedule will not be accepted. In case firm offers supplies ahead of delivery schedule at their own and such request is accepted by Nigam, the price prevailing in the last month of stipulated delivery schedule or the date on which material is notified as being ready for inspection or date of receipt of inspection call in the office, whichever is beneficial to Nigam shall be allowed.



JAIPUR 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 which material/equipment/ Machinery/T&P shall confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.	to
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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 which material/equipment/ Machinery/T&P shall confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.	to
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(Signature)

Name & Designation
 with seal of the bidder.

SCHEDULE-III-A

QUALIFICATION REQUIREMENT

ITEM:- 36 KV INDOOR VCBs

TN- 2378

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 item. 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 of 36 KV Indoor VCBs, 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 and minimum quantity to be offered 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 VCB 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 i) If a bidder has supplied upto 50% of ordered quantity in previous tender upto 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.
ii) However, if the supplies have been completed for a quantity more than 50% but not completed upto 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 any CPRI/ERDA/NABL accredited/ ILAC i.e. International Laboratory Accreditation Cooperation (in case of foreign laboratory) of similar rating and design of tendered material/equipment. The type test certificates by in-house Lab. of tendering firm, even if it is a NABL accredited/ ILAC accredited, will not be acceptable. Such type test certificates should not be older than **5 (Five) years** as on the date of bid opening. For this purpose date of conducting type test will be considered.
- 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 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.

A copy of valid Type Test reports (irrespective of date of issue) may be submitted by the bidder upto official working hours of three days prior to scheduled/ notified date of opening of price bid.

- 3.05 Following 10 type tests are generally required for outdoor VCB/outdoor VCB kiosk/ indoor VCB panel. These type tests can be divided in following two groups:

GROUP I

- (i) Single phase short circuit test
- (ii) Basic short circuit duties test
- (iii) Out of phase making & Breaking test
- (iv) Capacitive current switching test
- (v) Mechanical operation type test

GROUP II

- (vi) Dielectric test on main circuits
- (vii) Short Time Withstand & peak withstand current tests
- (viii) Temperature Rise Test
- (ix) Measurements of resistance of main current:
- (x) IP-55/IP-5X Test (to be conducted on cubicle/control cabinet)

In view of the purchaser, in light of various provisions of IEC/applicable standards, assemblies of outdoor VCB/outdoor VCB kiosk/ indoor VCB panel with following arrangements are generally acceptable:

- (i) Outdoor VCB/outdoor VCB kiosk/ indoor VCB panel of rated current rating (type tested as per group II) fitted with Circuit Breaker of higher current rating (type tested as per as per group I) or vice-versa.
- (ii) Outdoor VCB/outdoor VCB kiosk (type tested as per group II) and fitted with Circuit Breaker (type tested as per group I with indoor panel or type tested as VCB truck alone).
- (iii) Indoor VCB panel (type tested as per group II) fitted with Circuit Breaker (type tested as per group I with Outdoor VCB/outdoor VCB kiosk or type tested as VCB truck alone).
- (iv) Complete type tests conducted on higher current rating outdoor VCB/outdoor VCB kiosk/ indoor VCB panel are also acceptable if bidder confirms to supply the material with such higher rating.

Accordingly, type test reports of Indoor VCB panel when tendered item is Outdoor VCB/ Outdoor VCB Kiosk may be acceptable or vice versa when arrangement is as above. But type tests (as per group II) of indoor VCB panel will not be acceptable when tendered item is Outdoor VCB/outdoor VCB kiosk. Similarly, type tests (as per group II) of Outdoor VCB/outdoor VCB kiosk will not be acceptable when tendered item is indoor VCB panel.

Indoor VCB panel/ Outdoor VCB kiosk, type tested (as per group II) and fitted with type tested (as per group I) Circuit Breaker where one or more type test (as per group I) is carried out on higher current rating or one or more type test (as per group II) is carried out on higher current rating kiosk/panel is acceptable if there is no change in constructional design. In case any change in constructional design is made, the same is acceptable only if manufacture can demonstrate that this change

does not influence the result of the individual type test. The performance of any particular arrangement may be substantiated by test data of comparable arrangements.

- 3.06 In technical specifications operating duty for gang operation is defined as O-0.3 sec.-CO-3 min.-CO, the firms are required to furnish the type test reports of making and breaking tests including Basic short circuit duty tests of circuit breaker as per operating duty for gang operation as defined O-0.3 sec.-CO-3 min.-CO. However, mechanical operation test on other operating sequence conducted as per IEC 62271-100 may be acceptable.
- 3.07 Certain makes of Vacuum Interrupter are approved by the purchaser and mentioned in the technical specifications. It is mandatory for the firm to supply the material with approved make of Vacuum Interrupter, if manufacturer can demonstrate that following changes do not influence the type test results, the same can be accepted/ approved:-
- (a) Make of V.I. is not appearing in some of the type test reports,
 - (b) Make of V.I. is not similar in some of the type test reports,
 - (c) Make of V.I. is not similar with the make of material being supplied
- 3.08 The firms furnish the drawings to the purchaser for approval before commencement of supply. The approved drawing of VCB should be representative of the type tested material and therefore it is irrespective that the type test reports are of fixed type VCB or draw out type VCB. Any change of constructional detail is acceptable, if the manufacture can demonstrate that this change does not influence the result of the individual type test.

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 Jaipur 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.

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

To,

The Superintending Engineer (MM),
Jaipur Vidyut Vitran Nigam Limited,
Jaipur.

Dear Sir,

With reference to your invitation to tender against specification No. JPD/SE/MM/TN-2378 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 Certificates.
1	2	3	4	5	6
	36 KV INDOOR VCBs	20			

1. The offer is valid for a period of 120 days from the date of opening of this tender.
2. The base date of prices will be **1.12.2016** (as per IEEMA latest circular) irrespective of date of tender opening.
3. It is noted that the quantities as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
4. 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. JPD/SE/ MM/TN-**2378** and as per relevant ISS in all respect.
5. We confirm that we agree to all the terms & conditions as well as the technical stipulations of your specification No. JPD/SE/MM/TN-**2378** and there are no deviations other than as specified in the **Schedule VI (A&B)**.

Yours faithfully,

Signature of tenderer
with stamp
Dated



JAIPUR 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.

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 OF GUARANTEED TECHNICAL PARTICULARS OF 36 KV INDOOR
VACUUM CIRCUIT BREAKERS AGAINST TN-2378**

A) Circuit Breakers :

To be furnished by the bidder

- 1) Manufacturer's name and collaborator (if any).
- 2) Type designation:
- 3) Number of poles.
- 4) Rated voltage.
- 5) Rated insulation level.
 - i) Lightning impulse withstand voltage.
 - ii) One minute power frequency withstand voltage.
 - iii) One minute power frequency withstand voltage for auxiliary circuits.
- 6) Rated frequency.
- 7) Rated normal current:
- 8) Rated short circuit breaking current/ capacity.
- 9) Rated short time withstand current and its duration.
- 10) Rated short circuit making current.
- 11) Rated operating sequence (test duty cycle).
- 12) a) Opening time.
b) Closing time.
- 13) Total break time measured from the instant of trip circuit energisation :
 - (a) At 10% breaking capacity(m sec)
 - (b) At 100% breaking capacity(m sec)
- 14) Protection class of Breaker
- 15) Constructional features :
 - i) Mass of complete Circuit Breaker with mechanism and Vacuum Bottle .

ii) Mass of Vacuum Bottle.

16) Operating mechanism of circuit breaker and its associated equipment :

- i) Type of closing mechanism.
- ii) Whether the circuit breaker is trip free or fixed trip and whether it is with lockout preventing closing.
- iii) Rated supply voltage of closing mechanism.
- iv) Current required at rated supply voltage to close the circuit breaker.
- v) Number and type of spare auxiliary switches/contacts.
- vi) Current required at rated supply voltage by other auxiliaries.

17) Other information :

- i) a.Type of breaker (Drawout or fixed)
b.Type of isolation (Vertical or horizontal)
 - ii) Type of arc control device.
 - iii) Main Contact :
 - 1. Type
 - 2. Material.
 - 3. Silver facing provided.
 - 4. Design contact pressure.
 - iv) Life :
 - i) Mechanical operations.
 - ii) Electrical operations.
 - iii) Short circuit operations.
 - v) Maxm. temperature rise over an ambient temp. of 50 Deg.C.
 - vi) Rated Current of Terminal Connectors.
 - vii) Details of interlocks provided.
 - viii) Derating factor for specified 50 Deg.C ambient temp. & site condition if any.
 - ix) Max. chopping current.
 - x) Vacuum interrupter details.
 - a) Make & Code No. of vacuum bottle.
 - b) Pressure inside interrupter.
 - c) Manufacturer's code number/Reference standard.
 - xi) Contact wear indication.
- 18) Thickness of sheet steel
- 19) Whether CRCA Sheet used

The manufacture should give the necessary information as regards the overall dimensions of the circuit breakers and details necessary for the design of the foundation. General information regarding maintenance should also be given.

B) 33 KV VOLTAGE TRANSFORMERS :

- 1) Manufacturer's name.
- 2) Type designation.
- 3) Highest equipment voltage.
- 4) Number of phases.
- 5) System earthing.
- 6) Insulation level :
 - i) One minute power frequency withstand voltage for :
 - a) Primary winding.
 - b) Secondary winding.
 - ii) Impulse withstand voltage.
- 7) Frequency.
- 8) Transformation ratio.
- 9) Rated output.
- 10) Accuracy class.
- 11) Winding connection.

- 12) Type :
 - i) Resin cast
 - ii) Whether three phase.
 - iii) Type of fuses provided.
 - a) Primary.
 - b) Secondary.
 - c) Make.
- 13) Whether Voltage Transformer is mounted on the top part of the Cubical.

C) Current Transformers :

- 1) Manufacturer's name.
- 2) Type designation.
- 3) Rated voltage.
- 4) Type of insulation resin cast.

- 5) Insulation level :
 - i) 1 Mt.PF withstand voltage for primary winding.
 - ii) Impulse withstand voltage.
 - iii)PF withstand voltage for secondary.

- 6) Frequency.
- 7) Transformation ratio.
- 8) Rated output (Core-I and Core-II).
- 9) Class of accuracy (Core-I and Core-II).
- 10) Instrument security factor.
- 11) Short time thermal current and its duration.
- 12) Secondary wdg. rise at 75 C.(Max.)
- 13) Knee point voltage.
- 12) Maximum exciting current (in r.m.s.)

D) RELAYS :

1. Manufacturer's name.
2. Type designation.
3. Rated CT Secondary Current.
4. Tap range.
5. VA burden.
 - i) Highest tap.
 - ii) Lowest tap.
6. Rate Voltage of Coil for Operation.

7. Whether relay is able to store a minimum of two previous fault values including fault current and phase.
8. Whether relay is mounted in flush pattern on the Panel board.
9. Whether test blocks provided as per specification.

10. Whether numerical relay is with communication facility and standard open protocol / SCADA compatibility alongwith IED for purpose of SCADA.
11. Whether communication on RS-485 Port Protocol provided.
12. Type of characteristic.
13. Descriptive leaflet attached or not.
14. Accuracy class of CT needed.
15. Range of setting for over current and earth fault protection.
16. Whether drawout type.

E) AC STATIC HT TRIVECTOR METERS, ACCURACY CLASS 0.5 AS PER LATEST SPECIFICATION OF JVNVL WITH DLMS PROTOCOL

1. Name of Manufacturer.
2. Type of Meter
3. Class of Accuracy
4. Reference Voltage
5. Basic Current
6. Maximum continuous Current

7. Whether sealing arrangement provided on front side of meter for meter body/ terminal cover/ MD Reset button/Communication Port.
8. Programmed into meter memory for identification through CMRI.
9. Burden & Watt loss of voltage circuit per phase.
10. Push Button mode as per specification provided or not.
11. Memory Non-volatile or battery backed.
12. Whether Energy meter conforming to IS and having all the parameters required as per latest specification of JVVNL.

F) INDICATING AND INTEGRATING INSTRUMENTS :

I) Ammeter Voltmeter PF Meter

1. Manufacturer's name
2. Type designation/reference.
3. Accuracy class(es) & governing standard.

4. The burden in VA at normal current and/or nominal voltage.
 - a) Current coil.
 - b) Potential coil.
5. Transformation ratio(s) of instrument transformer(s) for which the instrument has been adjusted, if relevant.
6. Size.
7. Whether suitable for sheet steel mounting.
8. Colour finish.
9. Short duration overload capacity.
10. Make and type of selector switch for Ammeter/Volt meter.

II) Control Switches :

1. Manufacturer's name.
2. Type designation.
3. Type of handle provided.
4. No. of position.
5. No. of contacts.
 - i) Normally closed.
 - ii) Normally opened.
6. Making capacity/breaking capacity.
7. Whether spring return to normal or stay put type.
8. Type of lock provided.

III) Indicating LEDs :

1. Manufacturer's name
2. Type designation.
3. Operating voltage.
4. Wattage of LEDs.

IV) Switch Board Wiring :

1. Insulation of wiring.
2. Size of wiring conductor for
 - a) CT circuits.
 - b) PT circuits.
 - c) AC supply circuits.
 - d) Other circuits.
3. Size of earthing bar for safety earthing.
4. Type of terminals provided on wiring.
5. Conductor material.
6. Colour used.
 - a) AC circuits.
 - i) Ist phase.
 - ii) IInd phase.
 - iii) IIIrd phase.
 - iv) Neutral.
 - v) Earth.
 - b) DC circuits.
7. Identification of suffix used for :
 - a) Metering circuits.
 - b) O/C and E/F indication.
 - c) AC aux. circuits.

G) MISCELLANEOUS INFORMATION :

1. Bushings :
 - a) Make and Drawing No.
 - b) Type of bushing.
 - c) Creepage distance.
 - i) Total
 - ii) Protected.
 - d) 1 minute power frequency withstand test voltage for bushing.
 - i) Dry.
 - ii) Wet.
 - e) Impulse withstand voltage.
 - f) Reference standard
 - g) Permissible safe contiliver loading on bushing
 - h) Catalogue n. of bushing offered and its mechanical strength.
2. Motor :
 - a) Make
 - b) Wattage

- c) Rated voltage
 - d) Protection equipment
 - e) Closing contactor
3. Terminal connectors :
- a) Make/Material.
 - b) Rated continuous current.
 - c) Rated short time current for 3 seconds.
 - d) Max. temp. rise of terminal connector over ambient temp. of 50 Deg.C. & Max. temp. attained.
4. Paint shade of outdoor.kiosk.
5. Main bus bar :
- a) Size.
 - b) Material (Copper only).
 - c) Rated short time current for 3 seconds.
 - d) Current density.
6. Interconnecting Bus Bar.
- a) Size.
 - b) Material (Copper only).
 - c) Rated continuous current for 3 seconds.
 - d) Current density.
7. C.T. Windings :
- a) Primary :
 - i) No. of turns.
 - ii) Cross sectional area.
 - iii) Material.
 - b) Secondary :
 - i) No. of turns.
 - ii) Cross sectional area.
 - iii) Material.
8. Power Cable sealing kits :
- a) Make
 - b) Type
 - c) Size
9. List of interlocks
- i) Mechanical interlock
 - ii) Electrical interlock.
10. Overall dimensions
- a) For vacuum circuit breaker kiosk complete.
 - b) Circuit breakers
 - c) Impact for foundation design to include dead load + impact value on opening at max.interrupting rating in dead load.
11. Constructional Features
- i) Mass of complete circuit breaker with mechanism and vacuum bottle.

- ii) Mass of vacuum bottle.
- iii) No. of breaks in series per pole.
- iv) Minm. clearance in air.
 - a) Between poles.
 - b) to earth.

12. Arrangement provided

- a) Pole discrepancy.
- b) Trip free/fixed trip
- c) Anti pumping

13. Connection for CTs

- a) Size
- b) Material

14. Connection for PTs

- a) Size
- b) Material

Name of Firm
Signature of Bidder
Designation & Seal
Date



JAIPUR 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.



JAIPUR 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.



JAIPUR 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	Qty in Nos.	Order No. & Date	Name & details of purchasing authority	Date of Completion
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.

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



JAIPUR 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.	36 KV INDOOR VCBs	After 60 Days from the date of receipt of detailed Purchase Order/ proto approval.	_____ Nos. per month (to be quoted by tenderer)	Completion in three months at equal monthly rate.

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 of Material	Commencement period per Month.	Rate of supply per Month	Period for completion of delivery of entire material
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- 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.



JAIPUR 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	

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

GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF

**JAIPUR VIDYUT VITRAN NIGAM LIMITED
(MATERIAL MANAGEMENT)
NEAR RAM MANDIR , BANI-PARK, JAIPUR-302006**

TELEPHONE: - 0141 2202607**FAX: - 0141-2202025**

SPECIFICATION FOR SUPPLY OF 36 KV INDOOR VCBs UNDER SPECIFICATION NO.JPD/SE/MM/SPO-V/TN-2378.

LAST DATE AND TIME FOR BID SUBMISSION	12.01.2017 at 5.00 p.m.
DATE AND TIME OF OPENING OF BID	13.01.2017 at 3.00 p.m
EARNEST MONEY TO BE DEPOSITED	Rs.2,00,000.00
COST OF THE SPECIFICATION	Rs.2,500.00(non refundable)
TENDER PROCESSING FEE	Rs.1,000.00(non refundable)
VALIDITY	120 DAYS FROM THE NEXT DATE OF OPENING OF TECHNO-COMMERCIAL BID

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. Departments / Discom for similar or higher rating equipment latest executed.
2. Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
3. The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
4. Quality assurance plan.
5. Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.
6. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
7. Bids shall be furnished **through online**.
8. JVVNL 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. JVVNL 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 **(Schedule-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 (JVVNL):-
 - 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
