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(TN-2367)

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- 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/nicgep/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 respective bid mentioned above.
- The Tender process fee Rs.1,000/- paid by Demand Draft/Banker's Cheque in favour of MD,RISL, Jaipur and **cost of tender specification and EMD amount (wherever applicable)** paid by Demand Draft/Banker's Cheque in favour of AO(MM), JVVNL, Jaipur (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.**
- 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 :-** 1. All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.
2. If any difficulty arises, in down downloading/ uploading of tender you may contact in the RISL, Jaipur Rajasthan at following Contact/address

Address of RISL:-

RajCOMP Info Services Limited (RISL)
1st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan)
Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: info.risi@rajasthan.gov.in

**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 5.0 MVA 33/11 KV POWER TRANSFORMERS UNDER SPECIFICATION NO.JPD/SE/MM/SPO-V/TN-2367

LAST DATE AND TIME FOR BID SUBMISSION	14.12.2016 at 5.00 p.m.
DATE AND TIME OF OPENING OF BID	15.12.2016 at 3.00 p.m
EARNEST MONEY TO BE DEPOSITED	Rs.5,00,000.00
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	5.0 MVA 33/11 KV Power Transformers	50 Nos.

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

PRICE ADJUSTMENT FORMULA

PRICE VARIATION FORMULA FOR COPPER WOUND POWER TRANSFORMERS COMPLETE WITH ALL ACCESSORIES AND COMPONENTS (TN-2367).

IEEMA

IEEMA/PVC/DIST-CU_2.5-10 MVA/2015

Effective from: 1st June 2015

PRICE VARIATION CLAUSE FOR COPPER WOUND DISTRIBUTION TRANSFORMERS COMPLETE WITH ASS ACCESSORIES AND COMPONENTS (For Single and Three Phase of ratings above 2500 KVA up to 10 MVA and voltage up to 33 KV) supplied against domestic contracts

This price variation clause is applicable for ‘copper Wound Distribution Transformers’, with rating above 2500 KVA up to 10 MVA and voltages up to 33 KV; supplied against domestic contracts. A separate price variation clause IEEMA/PVC/DIST-CU_2.5-33 KV/DE/2015 has been evolved for above types of Transformers supplied against export/deemed export contracts under special imprest licensing scheme.

The price quoted/confirmed is based on the input 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 and all India average consumer price index number for industrial workers as specified in the price variation clause given below. In case of any variation in these prices/indices, the price payable shall be subject to adjustment, up or down in accordance with the following formula:

$$P = \frac{P_o}{100} \left(10+33 \frac{C}{C_o} + 24 \frac{ES}{ES_o} + 8 \frac{IS}{IS_o} + 4 \frac{IM}{IM_o} + 6 \frac{TO}{TO_o} + 15 \frac{W}{W_o} \right)$$

Wherein,

- P = price payable as adjusted in accordance with the above formula.
P_o = Price quoted /confirmed.
C_o = Average LME settlement price of copper wire bars (refer notes)
This price is as applicable for the month, one month prior to the date of tendering.
ES_o = Price of CRGO Electrical Steel Lamination (refer notes)
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering
IS_o = Price of MS Plate of 6 mm thickness (refer notes).
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.
IM_o = Price of insulating Material (refer notes)
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.
TO_o = Price of Transformer Oil (refer notes)
This price is as applicable on the 1st 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 on the 1st working day of the month, three months prior to the date of tendering.

For example, if date of tendering falls in December 2015,, applicable prices of Copper (C_o), Transformer Oil (TO_o) CRGO Steel Sheets (ES_o), MS Sheet (IS_o) and insulating material (IM_o) should be as on 1st Nov 2015 and all India average consumer price index no. (W_o) should be for the month of September 2015.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/DIST_PWR_TRF/ / / one month prior to the date of tendering.

C = Average LME settlement price of copper wire bars (refer notes)
This price is as applicable for the month, one month prior to the date of delivery.

ES = Price of CRGO Electrical Steel Lamination (refer notes).
This price is as applicable on the 1st working day for the month, one month prior to the date of delivery.

IS = Price of MS Plate of 6 MM thickness (refer notes).
This price is as applicable on the 1st working day of the month, one month prior to the date of tendering

IM = Price of Insulating Materials (refer notes)
This price is as applicable on the 1st working day for the month, one month prior to the date of delivery.

TO = Price of Transformer Oil (refer notes)
This price is as applicable on the 1st working day of the month, one month 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 on the 1st working day of the month, three months prior to the date of delivery.

For example, if date of tendering falls in December 2015,, applicable prices of Copper (C_o), Transformer Oil (TO_o) CRGO Steel Sheets (ES_o), MS Sheet (IS_o) and insulating material (IM_o) should be as on 1st Nov 2015 and all India average consumer price index no. (W) should be for the month of September 2015.

The above prices and indices are as published by IEEMA vide circular reference number IEEMA(PVC)/DIST_PWR_TRF/ / / one month prior to the date of tendering.

The date of delivery is the date on which the transformer 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.

Notes: (a) All prices of raw materials are exclusive of modvatable excise /CV duty amount and exclusive of any other central, state or local taxes, octroi etc. In deemed export contract under special imprest licence, some raw materials which are imported are of duty free. While modvatable CVD is already excluded, the customs duty is also not considered while arriving at the raw material price of imported items.

(b) Most of the prices are as on first working day of the month.

(c) Date of Tendering is the due date of tender submission or date of tender opening whichever is earlier.

(d) The details of prices are as under:

1. The LME price of Copper Wire Bars (in Rs./MT) is the LME average settlement price of Copper wire bars converted in to Indian Rupees with average exchange rate of the month.

2. The price of CRGO Electrical Steel Lamination suitable for Transformers of rating up to 10 MVA and voltage up to 33 KV (Non-BEE & energy efficiency levels not as per IS-1180 (part-1):2014) in Rs./MT is the average price as quoted by processing centers of overseas mills and lamination suppliers which is same as applicable for Power Transformers (of rating above 10 MVA or voltage above 33 KV) after removing the applicable Customs duty on the CRGO Electrical Steel.

3. Price of steel is the average retail price of MS Plate 6 mm thickness as published by Joint Plant Committee (JPC) in Rs./MT as on 1st working day of the month.

4. The average price of Insulating materials (in Rs./Kg) of pre-compressed pressboards of size 3 mm and 10 mm thick, 3200 mm x 4100 mm C&F price in free currency per MT converted into Indian Rupees with applicable exchange rate prevailing as on 1st working day of the month as quoted by primary suppliers.

5. The price of Transformers Oil (in Rs./K. Ltr) is the average price on ex-refinery basis as quoted by two manufacturers for supply in drums.

(e) Some purchase are purchasing oil immersed Transformers from manufacturers without first filling of oil, Oil for first filling is procured and filled by the purchasers. For such supplies PVC formula, excluding Oil will apply as under:

$$P = \frac{P_0}{94} \left(10+33 \frac{C}{C_0} + 24 \frac{ES}{ES_0} + 8 \frac{IS}{IS_0} + 4 \frac{IM}{IM_0} + 15 \frac{W}{W_0} \right)$$

Where description of P, P₀, C, ES, IS, IM, W etc. remains same as mentioned earlier.

- Note :- 1. The base date will be 01.11.2016 irrespective of date of tender opening.**
2. If there is any contradiction observed in above formula than IEEMA circular IEEMA/PVC/DIST-CU_2.5-10 MVA/2015 Effective from: 1st June 2015 is final and also available in tender documents namely IEEMA formula at eProcurement documents under TN-2367.

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 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:- 33/11 KV Power Transformers

TN- 2367

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 i) 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.
- ii) 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.

The above Type test shall be carried out by the firm at the Testing house as specified above. Type test carried out by above testing house at firm's works will not 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 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/ Upton 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 3 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 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.

BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE

(On Rajasthan Non-Judicial Stamp Paper worth Rs.100/-)

To,

The Chief Engineer (MM)
Jaipur Vidyut Vitran Nigam Limited
Old Power House Premises,
Near Ram Mandir, Bani Park,
JAIPUR.

Dear Sir,

Whereas Jaipur Vidyut Vitran Nigam Limited, Jaipur (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 Chief Engineer (MM), Jaipur Vidyut Vitran Nigam Limited, Jaipur or his nominated officer(s).

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 Chief Engineer (MM), Jaipur Vidyut Vitran Nigam Limited 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 JAIPUR in Rajasthan.

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

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 upto _____. Unless demand or claim in writing is presented on the Bank 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.

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-2367 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
1.	5.0 MVA 33/11 KV Power Transformers	50			

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 1.11.2016 (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-2367 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-2367 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.
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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.
-------	---	-----------------------------------

(Signature)

Name & Designation
with seal of the bidder.



Schedule-V

(To be filled by the Bidder)

Schedule of Guaranteed Technical Particulars Against TN-2367 for supply of 5.0 MVA Power Transformers				
Sr. No.		Particulars	Unit	5.0MVA
1		Manufacturer's Name		
		a) Postal Add.		
		b) Works Add.		
2		Type , Make & Country of origin		
3.A		Rated Voltage		
	a	Voltage between phases on HV side at No LOAD	KV	
	b	Voltage between phases on LV side at No LOAD	KV	
3.B		Rated Current		
	a	Rated HV Current	Amp.	
	b	Rated LV current	Amp.	
4		Continuous Max. rating (CMR) under peak ambient air temp. 50deg C with temperature rise as per item 7	KVA	
5	a	Over load for time of one hour	Min.	
	b	20%overload duration	Min.	
	c	10%overload duration	Min.	
6		Method of connection		
	a	HV winding		
	b	LV winding		
7		Vector group reference		
8	i	Max. temp. rise obtained by the transformer when run at the max. continuous rating at a peak ambient temp. of 50 degC		
	a	of winding by resistance	deg C	
	b	of oil by thermometer	deg C	
	ii	The hottest spot temp.on an annual weighted average ambient temp.of 35 deg. C	deg C	
9		Type of cooling		
10		Indoor/outdoor installation		
11		Range of voltage variation		
12		% Variation of steps & No. of steps /positions		

13		Is volts/turn constant regardless of tap position?		
14		Magnetising current in Amp. & P.F. at rated voltage & frequency		
15		Maximum Guaranteed No Load Loss at rated current, rated frequency & rated voltage	KW	
16	a	Maximum Guaranteed Load Loss at rated current, rated voltage & rated freq at a ref. temperature of 75 deg. C (AT NORMAL TAP)	KW	
	b	Maximum Guaranteed Load Loss at current voltage & rated freq at temperature of 75 deg. C (AT MIN. TAP)	KW	
	c	Max. Total guaranteed loss at rated current, rated voltage & rated freq, at 75 deg. C (At Normal Tap)	KW	
	d	Max. Total guaranteed loss at current voltage & rated freq, at 75 deg. C (At min. tap for heat run test only)	KW	
17	a	Resistance of HV winding per phase at 75 deg. C (App. at normal tap)	Ohm	
	b	Resistance of LV winding per phase at 75 deg. C	Ohm	
18		Efficiency at 75 deg. C		
	a	Unity Power Factor :-		
	i	100% Load	%	
	ii	75% Load	%	
	iii	50% Load	%	
	iv	25% Load	%	
	b	Maximum efficiency and corresponding % load at which Occurs	%	
	c	0.8 power Factor		
	i	100% Load	%	
	ii	75% Load	%	
	iii	50% Load	%	
	iv	25% Load	%	
19		Reactance drop at rated current and rated freq.	%	
20		Impedance drop on full load at 75 deg. C		
	a	At Normal tap	%	

	b	At Maximum tap	%	
	c	At Minimum tap	%	
21		Duration Of thermal Short Circuit with reference to impedance voltage	Sec.	
22		Regulation on full load		
	a	At unity power & temperature of 75 deg.	%	
	b	At 0.8 power factor and temperature of 75 deg.	%	
23		Impulse strength on 1.2/50 ms in KV (peak)		
	i	of HV winding	KVP	
	ii	of LV winding	KVP	
24		Power frequency withstand voltage of		
	i	HV winding	KVrms	
	ii	LV winding	KVrms	
25		Minimum clearance to earth		
	a	of primary winding		
	i	in oil	mm	
	ii	out of oil	mm	
	b	of secondary winding		
	i	in oil	mm	
	ii	out of oil	mm	
	c	Width oil duct between		
	i	Core & LV	mm	
	ii	LV & HV	mm	
	iii	out of oil	mm	
26		Whether oil temp. indicator with alarm contacts provided		
27		Whether two winding temp. indicator with alarm contacts provided		
28		Make, Type & Size of oil temperature indicator		
29		Make, Type of magnetic oil level indicator		
30		Make, Type & Size of prismatic oil level gauge		
31		Make, Type & Size of gas operated relay (Buchloz relay)		
32		Ratio & type of CT used for W.T. indicator		
	a	H.V.	Ratio	
	b	L.V.	Ratio	
33		Make of Winding Temperature Indicator		

34		Make of Radiator valve		
35		Make of filter valve & Drain valve		
36		Type of resistance used for W.T. Indicator		
37		No. of breaters provided & type thereof		
38		Type of dehydrating agent used for breathing & quantity		
39		Outline dimensions		
	i	overall height	mm	
	ii	overall Length	mm	
	iii	overall Breadth	mm	
40		Tank Dimensions		
	i	Height	mm	
	ii	Length	mm	
	iii	Breadth	mm	
41		Weight in Kg. Of		
	a	Transformer Core	Kg.	
	b	Copper	Kg.	
	c	Transformer Core coils and insulations	Kg.	
	d	Tank & Fittings	Kg.	
	e	Oil	Kg.	
	f	Transformer tank only	Kg.	
	g	Transformer complete with oil	Kg.	
42		Oil :		
	A	Quantity required for first filling		
	a	Total	Ltrs.	
	b	In Radiators	Ltrs.	
	c	In Conservator	Ltrs.	
	B	Class & specification to which it conforms		
	C	Make, Type & Brief description		
43		Particulars of Tap Changing Device/tap changer		
	a	Make, Type & Brief description		
	b	Is an indication arrangement fitted to show the voltage which the circuit tap in circuit gives off		
	c	Can it be locked in position?		
	d	Position of tap changing wheel of the transformer		
	e	% variation of OFF LOAD tap changing switch		
	f	Number of steps/positions		
44		Accessories and list of fittings with each transformer		

45	i	Minimum electrical clearance between phases		
	a	H V	mm	
	b	L V	mm	
	ii	Min. clearance between phase and earth(in air)		
	a	H V	mm	
	b	L V	mm	
46		State whether the transformer comply fully with this specification and its requirement.		
47		Whether make, rating, Sr. No. & TN No. punched at four side of Transformer Tank		
48		Whether Radiator valve have OPEN/ CLOSE Indication embossed/ casted as well as Painted on both sides of main body of Valve.		

Additional Technical Guaranteed Particulars Against TN-2367

Sr. No.		Particulars	Unit	
1		Whether painting at site is required & provided for.		
2		Maximum out of balance force in windings on short circuit with external reactance zero	MT	
3	i	Magnetising current & power factor at 110% rated voltage & rated frequency in Amps.	Amp	
	ii	Neutral Unbalanced current	Amp	
4		No load loss at 110% of rated voltage & rated frequency	kw	
5	a	Max. flux density at normal voltage and frequency	Lines/cm Sq.	
	b	Max. flux density at 110% of normal voltage and frequency	Lines/cm Sq.	
	c	Time capability of the transformer to withstand 110% of normal voltage & frequency		
6		WINDING DETAILS		
	a	Max. current density in winding		
	l	H V Winding (all parts including tapped winding min. tap)	Amps/sq.mm	

	ii	LV winding	Amps/ sq.mm	
	b	No. of HV coils/phase		
	c	No. of LV coils/phase		
	d	No. of turns/coil (HV)		
	e	No. of turns/coil (LV)		
	f	Weight of HV coil (3)	kg	
	g	Weight of LV coil (3)	kg	
	h	Voltage per coil (HV)	kv	
	i	Voltage per coil (LV)	kv	
	j	Inside dia of HV coil	mm	
	k	outside dia of HV coil	mm	
	l	Inside dia of LV coil	mm	
	m	outside dia of LV coil	mm	
	n	Axil length of coil	mm	
7		Type of Transformer shell or core		
8		Type of Winding		
	a	H V		
	b	L V		
9		Type of axial Coil supports		
10		Type of radial Coil supports		
11		Type of insulation used		
	a	Core Bolts		
	b	Core Washers		
	c	Core laminations		
12		End clearance from top of HT coil to Yokes	mm	
13		Cooling arrangements		
	a	No. of radiators bank		
	b	Size of radiator	mm	
	c	No. of fins	Nos.	
	d	Total Cooling surface		
	i	Tank surface	Sq.mtr.	
	ii	Radiators surface	Sq.mtr.	
	iii	Size of radiators fins (Length,Width etc.)	mm	
	e i	Vertical distance between transformers core & live parts of trfs.		
	ii	Horizontal distance between Radiators.		
14		Material used for gasket		
15		Fittings & parts to be detached for transport		
16		Material & size of relief Outlet diaphragm		
17		Type of tank		

18		Thickness of mild steel plate used in the constructions of tank		
	a	Side walls	mm	
	b	Top cover	mm	
	c	Bottom plate	mm	
19		Type of insulation used		
	a	H V Conductor		
	b	L V Conductor		
	c	L V to core		
	d	L V to H V		
	e	Tappings		
	f	Tapping connections		
20		Section of copper used		
	a	For H V winding	Sq.mm	
	b	For L V winding	Sq.mm	
21		Type terminal arrangement		
22		Grade of core Laminations used		
23		Make & Type of bushing		
	a	H V		
	b	L V		
	c	Neutral		
	d	Creepage distance between HV & LV	mm	
24		Reference No. & voltage class to which the bushing conform		
	a	H V	KV	
	b	L V	KV	
	c	Neutral	KV	

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.



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.	5.0 MVA 33/11 KV Power Transformers	After 60 Days from the date of receipt of detailed Purchase Order.	_____ Nos. per month (to be quoted by tenderer)	Completion in eight 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

- 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	
	iii) State Industries Department	

(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 5.0 MVA 33/11 KV POWER TRANSFORMERS UNDER SPECIFICATION NO.JPD/SE/MM/SPO-V/TN-2367.

LAST DATE AND TIME FOR BID SUBMISSION	14.12.2016 at 5.00 p.m.
DATE AND TIME OF OPENING OF BID	15.12.2016 at 3.00 p.m.
EARNEST MONEY TO BE DEPOSITED	Rs.5,00,000.00
COST OF THE SPECIFICATION	Rs.2,5000.00(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
