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**Note: The bidders, in their own interest are requested to read very carefully Section-I (Instruction to Bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents can be downloaded from website of Jodhpur Discom [www.jdvvn.com](http://www.jdvvn.com) & <http://eproc.rajasthan.gov.in> & can be uploaded on the website <http://eproc.rajasthan.gov.in>. No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in the bidding documents downloaded from the website and appended with the bid (as a bid document) and the original copy of such document available in the office of Superintending Engineer (MM&C), Jodhpur Discom, Jodhpur then the copy available with Superintending Engineer (MM&C), Jodhpur Discom, Jodhpur will be considered as final document for all purposes. The proof of depositing the cost of Bid document, EMD or Vendor registration certificate (if applicable) and tender processing fee be furnished upto 4:00 PM of one day prior to the date of tender opening in the manner prescribed in bid document.**

**Two Part Bid**

**JODHPUR VIDYUT VITRAN NIGAM LIMITED**  
**OFFICE OF THE SUPERINTENDING ENGINEER (MM&C)**  
**NEW POWER HOUSE INDUSTRIAL AREA, JODHPUR.**  
 TELEPHONE: 0291-2742223 / FAX: - 0291-2746539

**SPECIFICATION NO. JDVVNL/SE/MM&C/TN-1315 L.T. EPOXY AND /OR RESIN CAST RING TYPE  
 CURRENT TRANSFORMER OF ACCURACY 0.5s OF RATIO 200/5A.**

Tenders are hereby invited in e-tender system for purchase of Ring Type Current Transformer of Accuracy 0.5s And Assorted Ratios.

Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>. The details are as under-

S.No.	Name of Item	Quantity (Approx)
<b>Ring Type Current Transformer of Accuracy 0.5s</b>		
<b>a)</b>	<b>200/5A</b>	<b>299765 Nos.</b>

<b>A.</b>	NIT No.	TN-1315
<b>B.</b>	Cost of Specification	Rs. 2,500.00 per set (Two Thousand Five Hundred only)
<b>C.</b>	Processing of RISL	Rs. 1,000.00 per set (One Thousand only)
<b>D.</b>	Earnest money	Rs. 2.0 Lac / Exemption Certificate or vendor registration of category class 'A'
<b>E.</b>	Validity	120 days after the date of opening of techno-commercial bid.

**IMPORTANT DATES**

S.N.	Events	Date & Time	Location
<b>1.</b>	Last Date of downloading of tender specifications	Up to 04.05.2017 (6:00 PM)	<a href="http://www.jdvvn.com">www.jdvvn.com</a> & <a href="http://www.eproc.rajasthan.gov.in">http://www.eproc.rajasthan.gov.in</a>
<b>2.</b>	Last Date of Deposit of cost of Tender Specifications, Processing fee & Earnest Money	Up to 04.05.2017 (4:00 PM)	Office of Sr. A.O (Cash & CPC), JdVVNL , New Power House, Industrial Area, Jodhpur
<b>3.</b>	Last Date & time of submission of electronic bid	Up to 05.05.2017 (12:00 PM)	<a href="http://www.eproc.rajasthan.gov.in">http://www.eproc.rajasthan.gov.in</a>
<b>4.</b>	Opening of Technical Bid	05.05.2017 (3:00 PM)	<a href="http://www.eproc.rajasthan.gov.in">http://www.eproc.rajasthan.gov.in</a>
<b>5.</b>	Opening of Price Bid	To be intimated separately to the qualified bidders	<a href="http://www.eproc.rajasthan.gov.in">http://www.eproc.rajasthan.gov.in</a>



## SECTION - III

### TECHNICAL SPECIFICATION No. JdVVNL/SE (MM&C) /TN-1315 FOR L.T. EPOXY AND /OR RESIN CAST RING TYPE CURRENT TRANSFORMER OF ACCURACY 0.5S OF RATIO 200/5A.

#### 3.0 SCOPE

This specification covers the design, manufacturer, assembly, testing at manufacturer's works before dispatch and delivery of single phase, 50 Hz. Epoxy and /or Resin cast ring type LT CTs at F.O.R. destination anywhere in the jurisdiction of Jodhpur Discom.

#### 3.1 APPLICABLE STANDARDS

Unless otherwise modified in this specification the LT CTs shall comply with the Indian Standard Specification IS: 2705/1992 (Part- I & II) and the latest version thereof. Equipments conforming to other internationally accepted standards, which ensure equal or better quality than the standard mentioned above, will also be acceptable and in such case the copy of standards (English Version) adopted should be enclosed with the tender. LT CTs having BIS certification shall be preferred.

#### 3.2 CLIMATIC CONDITIONS

The equipments shall be suitable for satisfactory operation within accuracy limits under climatic conditions as mentioned in "General Conditions of Contract" Section-2 of this specification.

#### 3.3 TYPE AND RATING OF L.T.CURRENT TRANSFORMERS

- |       |   |  |
|-------|---|--|
| i)    | Nominal system voltage  | : 415 Volts  |
| ii)   | Highest system voltage  | : 660 Volts  |
| iii)  | Insulation level (HVPF test voltage for 1 minute)   | : 3 KV   |
| iv)   | Frequency   | : 50 Hz.   |
| v)    | Transformation ratios   | : 200/5 A  |
| vi)   | Type  | : Ring Type  |
| vii)  | Rated output  | : <b>5 VA</b>  |
| viii) | Class of accuracy   | : <b>0.5S</b>  |
| ix)   | Short time thermal current  | : Minimum 5 K Amp for one second.                          |
| x)    | Rated continuous thermal current  | : 120% of the rated primary current                        |
| xi)   | Instrument security factor  | : Shall not exceed 5.                                      |
| xii)  | Ratio (current) error max.  | : Shall not exceed the values prescribed in IS: 2705/1992. |
| xiii) | Phase angle error max.  | : Shall not exceed the values prescribed in IS: 2705/1992. |
| xiv)  | Temperature rise over an ambient temperature of 55 <sup>0</sup> C at rated continuous thermal current (1.2 Ip). | : Shall not exceed the values prescribed in IS: 2705/1992. |

- xv) Current Density (max.) : 1.6 A/ Sq. mm of copper conductor  
 xvi) **Secondary Cross-section area (Min.) : 1.55 Sq. mm of copper conductor**

### 3.4 GENERAL TECHNICAL DESCRIPTION OF EPOXY AND/ OR RESIN CAST RING TYPE L.T. CURRENT TRANSFORMERS:

- i) The current transformer shall have an opening in the center to accommodate a primary conductor which may be cable (with the lugs)/ busbar. The current transformers shall have rated burden as 5 VA burden and class of accuracy as 0.5s. Complete details of secondary windings i.e. the material of conductor, size, number of turns; current density etc. should be furnished separately. The terminals should be complete with connecting screws, nuts and washers. The secondary terminals of LT CTs shall be tin plated brass (with maximum current density of 1.6 Amp./ Sq. mm.).
- ii) The current transformers shall be of Epoxy and /or Resin cast type. The L.T. current transformers shall be complete with transparent terminal **cover on secondary terminals with proper sealing arrangement independently**. The necessary lugs, bolts, nuts, check nuts, washers required for **fixing arrangement** and making connections at secondary terminals shall be supplied in adequate size and Nos. along with each C.T. The diameter of the terminal bolts, made of tin plated brass, should not be less than 5 mm with two nos. of standard nuts and washers. The fixing nut, bolts & washers shall be included in the scope of supply.
- iii) **The minimum internal diameter of the CTs shall be 40 mm for 200/5A.**
- iv) The polarity marking on the CT primary & secondary side should be engraved and One sealing bolt shall be provided with at least two nuts and washers one for tightening the block and the other for cover. Further, for sealing purposes, a small hole should be provided on the sealing bolt across it and the cover shall also have two projections with holes in alignment to the hole of the sealing bolt.
- v) Plastic sealing cover on the secondary terminal side should have opening on only one side with two hole of size 5 mm dia max. for taking out secondary connection from one side only.
- vi) For tightening the secondary connection wires in addition to one nut, one more nut i.e. lock nut must be provided. The hole of sealing wire should be just above the nut provided over **the plastic cover so that in no case consumer can access to the secondary terminal/ technical wire** of the CTs.
- vii) LT Ring Type Current Transformer shall have **“Steel Base Clamp”**.
- viii) The colour of shall be intimated at the time of order.

### 3.5 GUARANTEED TECHNICAL PARTICULARS AND DRAWINGS:

Guaranteed technical particulars in the Performa enclosed with the specification shall be furnished along with the detailed general arrangement, dimensional drawing showing fixing arrangements, connection diagrams etc., with the tender. Particulars, which are subject to guarantee, shall be clearly marked. The offers without complete guaranteed technical particulars and detailed drawings shall not be considered.

### 3.6 INSTRUCTIONS MANUALS:

The successful tenderers shall have to supply ten sets of operating and maintenance instruction manuals along with the erection manuals and requisite sets of drawings of the

equipments, covered by this specification, if required. One set of above manuals and drawing shall also be sent along with L.T. C.T.

### **3.7 INSPECTION, TESTING AND CHECKING:**

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

3.7.1 Each equipment shall comply with and shall be subjected to all routine tests prescribed in relevant IS:2705/1992.

3.7.2 All Routine tests as per relevant standard along with accuracy test of CT as per IS: 2705 (Pt.II)- 1992 clause 7.1.1 shall be carried out on 32 Nos. samples of ratio of offered lot of up to 5000 Nos. LT CTs covered by this specification in the presence of purchaser's representative. All test reports shall be submitted and got approved from the purchaser before dispatch of the equipment.

3.7.3 In the event of order , during the inspection, the supplier will have to get conducted temperature rise test at 120% of rated primary current and instrument security factor test on one CT in the presence of our inspecting officer as per latest relevant IS without any extra charges.

**If LT CTs fails in any of the above tests/verification at works during inspection mentioned at s.no. 3.7.1 to 3.7.3 above, entire lot shall be rejected.**

Further, you shall ensure that all meters/ instruments used during inspection/ testing should be calibrated from recognized Govt. laboratory or from manufacturer of testing equipment & date of calibration should not be older than one year at the time of presenting the same to the inspecting officer.

### **3.8 TYPE TEST:**

The bidder shall enclose certified copies of test reports of all type tests obtained from any **NABL** accredited testing house/laboratory on similar equipments for lowest ratio of LT CT included in this specification along with tender. The type test reports **shall be not older than five years** from date of opening of tender.

3.8.1 In case short time current test reports on similar equipments as offered is not furnished with the offer, the tenderer shall furnish the type test report preferably for the lowest/lower ratio(s) CTs and they will have to furnish the necessary calculations on the basis of type test reports furnished to show that the offered L.T. CTs of various CT ratios are capable to withstand short circuit level as required.

3.8.2 In case appropriate type test report as per relevant standard is not furnished with tender offer, in the event of order, supplier shall have to get all type test conducted from any **NABL** accredited laboratory as per requirement of relevant standards on **one sample of ratio** out of first lot comprising minimum 25% of ordered quantity without any extra

cost. **Under such case, the payment against supplies shall be released after receipt of successful type test reports from the test lab.**

- 3.8.3 In addition to above, the purchaser shall have right to get conducted type test during currency of the contract on the LT CTs received in the Stores at purchaser's cost. In case of failure **in type tests as per clause 3.8.2 above or as per this clause**, following provisions shall be applicable: -

**Failure in Type Tests:** In the event of failure/ unsatisfactory results of the LT CTs in type tests, the supplier shall have to replace the supplies already made and no further LT CTs shall be accepted. The purchaser, however, at his option, may accept the LT CTs already supplied with the following conditions:-

- i- Guarantee period of the supplied LT CTs issued in the field shall be increased by double the normal guarantee period.
- ii- Bank Guarantee shall be extended to cover the additional guarantee period.
- iii- For failure in any of the Type tests, i.e., no further supplies shall be accepted. The Type test charges in this case shall be borne by the supplier.
- iv- The bidder shall, however, be allowed to check the reasons of failure and if need be, to improve/ modify the design. Further supplies, including replacement against supplies already made, shall be accepted only after successful Type test(s) are arranged on the fresh LT CTs selected by the purchaser. All the Type tests shall be arranged in case there is change in design; otherwise, type test shall be repeated only for the tests in which failure has occurred. However, in the event of failure of LT CTs, in the repeat type test, the purchaser may take following actions:-
  - i. Cancel pending orders of the ratio in which failure(s) has occurred, and
  - ii. Not place any order of LT CTs on the firm for one year.
- v- The LT CTs lying in the stores shall be replaced as per Sub-Para (iv) above.

#### 3.8.4 **Verification of material**

a) One sample of LT CT shall be selected & sealed from the first lot received in Nigam's stores for getting them type tested as per relevant standard at CPRI / NABL accredited test house/ laboratory. The cost of such type tests shall be borne by the supplier. LT-CTs shall be utilized in field only after successful type test reports. In case of failure in type test(s), the order of entire quantity shall be cancelled.

b) However, purchaser may allow the supplier to re-offer the material after change/ modification in the design of LT CTs. The balance material shall be accepted only after successful type testing. The payment shall be released only after receipt of successful type test reports.

c) After receipt of supplies of LT CTs, samples as below of LT CTs shall be selected from every lot received in Nigam's stores and shall be subjected to following tests at Nigam's Testing Laboratory/CTL as per relevant standard and specification :-

- i. Instrument Security Factor Test (ISF) (on 3 Nos. samples )
- ii. High Voltage Test of 3 KV (On 10% of supplied quantity).
- iii. One LT CT in each lot of 1000 Nos. or part thereof received in stores shall be opened for verifying the diameter & cross sectional area of secondary conductor including verification of GTP.

iv. In case test facilities for some of the tests are not available in our Testing Laboratory/CTL (ISF & 3KV Test), SE(MM) has discretion to get the test conducted at any NABL accredited independent lab or not.

d) In case the LT CTS do not meet the requirement of above tests as per ISS/Specification, the entire lot shall be rejected and supplier shall lift the rejected lot and shall replace the same at his own cost.

e) Verification of dimensions and weight as per approved drawing/ type tested drawing.

### **3.9 COMPLETENESS OF EQUIPMENT:**

Any fittings, accessories of material which may have not been specifically mentioned in this specification, for LT CTs covered under the scope of this tender enquiry, but which are usual or necessary for the equipment shall be deemed to have been included in this specification. All equipments shall be complete in all respects whether such details are mentioned in the specification or not. Bill of material is enclosed as appendix-A.

### **3.10 NAME PLATE AND MARKING:**

The ratio, VA burden, class of accuracy, name of manufacturer/monogram & year of manufacturing shall be double etching on the nameplate of CT. The ratio & polarity should be embossed as well as painted on the body of the LT CTs. In addition name plate of anodized aluminium indicating the necessary details, year of manufacture etc. etching on it shall be provided in such a manner that the information is clearly visible and effectively secured against removal having markings as per requirement of ISS.

### **3.11 SAMPLES:**

**3.11.1 Bid-Samples:** The bidder shall furnish one sample of LT CT offered along with offer or within 15 days from date of opening of tender for approval failing which the tender is liable to be rejected.

**3.11.2 Commencement-Samples:** In the event of order, the supplier shall furnish one sample of LT CT offered during the commencement period along with two sets of drawing for approval before commencement of supplies.

### **3.12 GUARANTEE PERIOD & REPLACEMENT DURING GUARANTEE PERIOD:**

Performance guarantee of the equipment shall be for the period of 18 months from the date of receipt in stores. The month & year of expiry of guarantee period shall be marked on the nameplate. Equipment failed within such guarantee period shall have to be replaced free of cost within 45 days of intimation. You shall furnish successful routine test reports of the equipment. If purchaser desires inspection prior to despatch an inspecting officer shall be nominated for verification for the test reports. Failed equipment(s) shall only be lifted after receipt of replacement for the same. Transportation for lifting of defective material & delivery of replaced material shall be borne by the supplier.

**3.13 PRICE:**

The quoted prices shall be all adjusted unit FOR destination price inclusive of Excise Duty, Cess and Central Sales tax / VAT , freight ,Insurance and entry tax etc as per tender specifications for ring type LT CTs. If any duty and/ or taxes are applicable at concessional rate, the same shall be clearly mentioned otherwise full rate of ED with cess and CST/VAT shall be taken for working out prices for comparison. The prices shall be quoted with complete break-up of ex-works price along with applicable taxes & duties as mentioned above. **The prices are 'FIRM'.**

**3.14 DELIVERY SCHEDULE:**

The commencement period for supply shall be one month from the date of receipt of PO and supply shall be completed @ 20% of ordered quantity per month after commencement period.

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**SCHEDULE - I****SCHEDULE OF REQUIREMENT**

S.N.	Description of the equipment required	Quantity Required in (Nos.)
1	<b>Ring type LT Current Transformers Of Ratio 200/5A</b>	<b>299765</b>

**Note:**

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

**Signature of tenderer in full****Rubber Seal  
(Name in full and designation)**

**SCHEDULE – III****JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****Prescribed technical specification for supply of Ring Type LT Current Transformer of ratio 200/5A against TN-1315**

(Name of Material/Equipment/Machinery/T&amp;P etc.)

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

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

Name & Designation  
with seal of the bidder.



**PRE - QUALIFICATION REQUIREMENTS**

**RING TYPE LT CURRENT TRANSFORMERS OF BURDEN 5VA AND CLASS 0.5S ACCURACY OF RATIO 200/5A.**

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 Performa only. This prescribed Performa 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 tendered material 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.

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 Performa at Schedule-III C or DD/ Pay Order amounting to Rs.5 Lac in case where the value of the purchase (corresponding to tendered quantity) under consideration is more than 1.5 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 has been black listed in any of the state Discom or with whom business relations have been severed in Jodhpur Discom shall not be considered. Severment of business relations will be done in case of following circumstances for the period and with the recovery mentioned against each:

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

#### **5.0 (A) Black listing of a firm:**

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

- (i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehaviour 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:**

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 Discoms.
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 Performa 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.

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**SCHEDULE – III (B)****MODEL FORM OF BANK GUARANTEE BOND FOR NON-SUBMISSION OF  
APPROPRIATE TYPE TEST AGAINST JDVVNL/TN-1315**

(On Govt. of Rajasthan/Equivalent Stamp Paper of Rs 0.25% of BG value)

To,

The Superintending Engineer (MM&C),  
Jodhpur Vidyut Vitran Nigam Limited,  
Jodhpur.B/G No.....  
Date:.....  
Valid up to:.....  
Amount Rs.....

Whereas the Jodhpur Vidyut Vitran Nigam Limited, Jodhpur, (here-in-after called "The purchaser") has called for tenders for supply of **Ring type LT CTs 200/5A**(Name of item) under tender enquiry No. **JdVVNL/SE (MM&C)/TN-1315**, estimated to cost Rs NA (Rupees NA.only) on **05.05.2017** (date) or any extended date and as per qualifying requirements of subject tender of the Nigam, Demand Draft /Bank Guarantee is to be deposited before or along with the tender in lieu of non-submission of appropriate type test reports, and whereas, the qualifying requirements of subject tender specifications of the Nigam permit deposit of Money in cash, and/or in the form of the Bank Guarantee.

1. In consideration of the Superintending Engineer (MM&C), JdVVNL, Jodhpur having made such a stipulation in Rules 595 (iii) (a) of the Public Works Financial & Accounts Rules and M/s ..... (Name of contractor) are desirous of depositing Such Money, i.e. **Rs. 5,00,000/- (Rupees Five Lac only)** in the form of Bank Guarantee for non-submission of appropriate type test reports as per requirements of subject tender in order to participate in the tender for supply above mentioned as per said Rules, and will be so permitted on production of a Bank Guarantee for Rs 5,00,000/- (Rupees Five Lac only), We ..... (Indicate name of the "Bank"), herein-after referred to as the "Bank" at the request of M/s ..... contractor(s), do hereby undertake to pay to the Nigam an amount not exceeding Rs. .... (Rupees.....Only) on demand.

2. We ..... (Indicate the name of Bank), do hereby undertake to pay Rs. .... (Rupees ..... only) the amount due and payable under this guarantee without any demur or delay. Merely on a demand from the Nigam. Any such demand made on the bank by the Nigam shall be conclusive and payable by the Bank under this guarantee. The Bank Guarantee shall be completely at the disposal of the Nigam and We..... (Indicate the name of Bank), bound ourselves with all directions given by Nigam regarding this Bank Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees .....only)

3. We .....(indicate the name of Bank), undertake to pay to the Nigam any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator etc. relating thereto, our liability under these presents being absolute unequivocal and unconditional.

4. We..... (Indicate the name of Bank), further agree with the Nigam that the Nigam shall have the fullest liberty without our consent and without affecting in any manner

our obligations, hereunder to extended the date of receipt of such tenders for the works as aforesaid or to vary any other terms and conditions of the Notice Inviting Tenders or the tenders or the tender, extend the validity of tenders, or time for completion of the work etc. We shall not be relieved from our liability by reason of any such variation or extension or for any forbearance, act or omission on the part of the Nigam or any indulgence by the Nigam, to the said contractor(s) or by any such matter or thing whatsoever which would but for this provision, have the effect of so relieving us.

5. The liability of us ..... (Indicate the name of Bank), under this guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s)

6. We ..... (Indicate the name of Bank), lastly undertake not to revoke this guarantee except with the previous consent of the Nigam in writing.

7. This Guarantee shall remain valid and in full effect, up to 180 days from the date of opening of tender or until it is decided to be discharged by the Nigam. Notwithstanding anything mentioned above our liability against this guarantee is restricted to Rs.....  
(Rupees \_\_\_\_\_)

8. It shall not be necessary for the Nigam to proceed against the contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the Nigam may have obtained or obtain from the contractor.

9. The Bank Guarantee shall be payable at the headquarters of the Jodhpur Discom at Jodhpur. If the last date of expiry of the Bank Guarantee happens to a holiday of the Bank, the Bank Guarantee shall expiry on the close of the next working day.

Notwithstanding, anything contained herein:-

(a) Our liability under this bank guarantee shall not exceed Rs.....

(b) This bank guarantee shall be valid up to.....

(c) We are liable to pay the guarantee amount or any thereof under this bank guarantee only if you serve upon us a written claim or demand on or before..... (Date of expiry of guarantee)

Yours faithfully,

(Bankers)  
Executants

Witness:

1.

2.

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**SCHEDULE-IV `A`****Must be filled-in by the tenderer and attach with technical bid (Part-I)**

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

Dear Sir,

With reference to your invitation to tender against specification No. **JDVVNL/SE/MM&C/TN-1315**, we agree to supply the following quantity:-

<b>S. No</b>	<b>Particulars of item</b>	<b>Tendered Quantity (In Nos.)</b>	<b>Qty. Offered (In Nos.)</b>	<b>Justification of quantity offered as per Qualifying Requirement.</b>	<b>Status of Type Test Certificates.</b>
1	2	3	4	5	6
1.	<b>L.T. EPOXY AND /OR RESIN CAST RING TYPE CURRENT TRANSFORMER OF ACCURACY 0.5S AND ASSORTED RATIOS (a) 200/5 A</b>	<b>299765 NOS.</b>			

1. The offer is valid for a period of 120 days from the date of opening of this tender.
2. The prices are FIRM in all respect.
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, we are liable to pay recovery for delay in delivery as per clause No. 1.24 of this Schedule-II of this specification. The material shall conform to your specification No. **JDVVNL/SE/MM&C/TN-1315** 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. **JDVVNL/SE/MM&C/TN-1315** and there are no deviations other than as specified in the Schedule VI (A&B).

Yours faithfully,

Dated:

Signature of tenderer  
with stamp

**SCHEDULE – V**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

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

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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:-

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S.No.	Particulars of technical & other Performance data	Reasons for deviations/departure.
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**(Signature)**  
Name & Designation  
with seal of the bidder.

**SCHEDULE-V(A)****GUARANTEED TECHNICAL PARTICULARS FOR RING TYPE LT CURRENT TRANSFORMER OF RATIO 200/5A AGAINST TN-1315**

<b>S. N.</b>	<b>Description</b>	<b>Required Technical Particulars</b>
1	Manufacturers name & Country of Origin	
2	Type, Designation	
3	Type of C.T.s	Ring Type
a	Resin cast or Epoxy and /or Resin housing	
b	Any other type/ details	
4.a.	Nominal system voltage	415 Volts
b	Highest system voltage	660 Volts
5	Insulation level :	3 KV
6	High voltage power frequency with stand test voltage on:	
a	Primary windings	3 KV
b	Secondary windings	3 KV
7	Frequency	50 Hz
8	Transformation ratio(s)	200/5 A
9	Rated output in VA	5 VA
10	Class of accuracy	0.5S
11	Short time current rating for 1 Sec.	Minimum 5VA for one second
12	Rated continuous thermal current	120% of the rated primary current
13	Instrument security factor	Shall not exceed 5.
14	Ratio (current) error (Max.)	Shall not exceed the values prescribed in IS:2705/1992.
15	Phase angle error (Max.)	Shall not exceed the values prescribed in IS:2705/1992.
16	Max. temperature rise of windings over ambient temperature over 50 Deg. C	Shall not exceed the values prescribed in IS:2705/1992.
17	Detail of secondary windings	Cross section: 1.55 Sq. mm of copper conductor
a	Material of conductor	
b	Size of conductor	1.55 sq mm for secondary
c	No. of turns	

d	Any other details	
18	Details of terminal cover with sealing	
19	Whether type test certificates/ calculations enclosed	
20	Approx. weight and size	
21	Over all dimensions	
22 a	Class of Insulation	
b	Insulation material used	
23	Knee Point Voltage	
24	ISI Certificates no & Validity	

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**SCHEDULE – VI (A)**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

**DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

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

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S.No.	Main Deviations from Technical Specification.
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Certified that we agree to all the technical specification of the NIT except for the deviation to the extent indicated above.

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



**SCHEDULE – VI (B)**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

**DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE  
SPECIFICATION**

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

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S.No.	Main Deviations from Specification.
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Certified that we agree to all the commercial terms & conditions as laid down in General Conditions of Contract to the specification except for the deviation to the extent indicated above.

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

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

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

S.No.	Detailed particulars 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 JdVVNL, Jodhpur other State Electricity Boards and other Departments /Organizations.

**(Signature)**

Name & Designation  
with seal of the bidder.

**Schedule – VII-A**  
**TN-1315**

**TO WHOM SO EVER 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 Department / Discoms / SEBs as detailed out below :

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

S. No.	Financial Year in which material supplied	Detailed particulars of item(s) supplied	Name & particulars of Purchasing Authority	Order No. & date against which item(s) supplied.	Unit	Ordered		Actual supplied upto		Remarks
						Qty.	Value (Rs.)	Qty.	Value (Rs.)	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

Signature  
Name & Designation  
With Seal of the Tenderer  
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 has been issued on the request of the company.

CA Firm(\_\_\_\_\_)

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

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

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

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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Commencement period: One month from the date of receipt of purchase order.

Completion period: **@20% of ordered quantity per month after commencement period.**

**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

**SCHEDULE – IX**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

List of Equipments and Technical Hands Available with the Firm

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

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

1. Name and Address of Manufacturer.
2. Place where works exist.
3. Details of machinery particularly with B.H.P. of each item installed.
4. Details of staff employed in the works.
5. Date when started the manufacturing of item under reference.
6. List of items manufactured.
7. Literature and drawings of items manufactured showing their description, size, design and other important technical particulars.
8. Details of order so far, executed along with the names of organization to whom supplied.
9. Manufacturing capacity.
10. Is the workshop open for inspection by the representative of the board, if required?
11. Statement of financial resources and Banking Reference along with Balance-Sheet for previous two years.
12. Testing facilities available for the manufactured articles in the testing laboratory of works.
13. Whether the Firm is a small/medium/large scale industry.
14. Registration No. with :-
  - i. Small Scale, National/State.
  - ii. DGTD
  - iii. State Industries Department.

**(Signature)**

Name & Designation  
with seal of the bidder.