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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://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 scheduled date and time to deposit the cost of Bid document, EMD or Valid Vendor Registration Certificate (if applicable) and furnishing of tender processing fee, be as stated / mentioned in published Notice Inviting Tender / tender document.



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

TELEPHONE: 0291-2742223

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TENDER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAII/TN-1290

Tenders are hereby invited in e-tender system for purchase of **11 KV PIN INSULATORS**.
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
1	11 KV PIN INSULATORS	5,69,996 Nos.

A	NIT No.	TN-1290
B	Cost of tender specifications	Rs.2500.00 (Two Thousand Five Hundred Only)
C	Processing fee of RISL	Rs.1000.00 (One Thousand Only)
D	Earnest money	Rs.2.0 Lacs /Exemption Certificate / Vendor Registration of Class A/B/C
E	Validity	120 days from the next date of opening of techno-commercial bid.
F	Base date for price variation	1st day of one month prior to the date of opening of technical bid.

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 30.01.2017 (06:00 PM)	www.jdvvnl.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications & Earnest Money and furnishing of Processing fee	Up to 30.01.2017 (04:00 PM)	Office of Sr. A.O (Cash & CPC) / SE (MM&C), JdVVNL , New Power House, Industrial Area, Jodhpur
3	Last Date & time of submission of electronic bid	Up to 31.01.2017 (12:00 PM)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	31.01.2017 (03:00 PM)	http://eproc.rajasthan.gov.in
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	http://eproc.rajasthan.gov.in

SECTION - III**TECHNICAL SPECIFICATION AND OTHER REQUIREMENT
FOR 11 KV PIN INSULATORS AGAINST TN-1290**

3.00 SCOPE : This specification covers the design, manufacture, testing, supply and delivery of 11 KV Pin Insulators for use of 11 KV over head power lines in Rajasthan.

3.01 The 11 KV Pin Insulator shall be brown glazed porcelain and shall have minimum failing load of 5 KN.

3.02 The 11 KV Pin insulator shall comply in all respects with the IS:731/1971 (With latest amendments).

3.03 The insulator marked with ISI certification mark will be given preference.

3.04 GENERAL REQUIREMENT :

a) The porcelain should be sound, free from defects thoroughly vitrified and smoothly glazed.

b) The glaze of the insulators shall be brown in colour. The glaze shall cover all the porcelain parts of the insulators except those which serve as supports during fixing or are used for the purpose of assembly.

c) The design of the insulator shall be such that the stresses due to expansion and contraction in any part of the insulator shall not lead to deterioration. The porcelain shall not engage directly with hard metal.

d) Cement used in the construction of the insulator shall not cause fracture by expansion or loosening by contraction and proper care shall be taken to locate the individual parts correctly during cementing. The cement shall not give rise to chemical reaction with metal fitting and its thickness shall be uniform as possible.

3.05 THIMBLES :

The insulators shall suitably be provided with cemented in zinc or lead thimbles.

3.06 FAILING LOAD :

The 11 KV Pin Insulator shall have a minimum failing load of 5 KN .

3.07 CREEPAGE DISTANCE :

The 11 KV pin insulators must have a minimum creepage distance of 230 mm.

3.08 TEST VOLTAGE :

The test voltage for 11 KV Pin Insulators shall be as under :

a) Highest system voltage. (KV rms)	12
b) Wet power frequency withstand test (kv rms)	35
c) Power frequency puncture withstand test (KV rms)	105
d) Impulse voltage withstand test (KV peak)	75

3.09 THREADS :

The 11 KV Pin Insulators with cemented in thimbles shall have the threads suitable for use with large & small steel head galvanised M.S. Forged Pins covered under ISS:2486 (with its latest amendments if any).

3.10 MARKING :

Each insulators shall be legibly and indelibly marked to show the following :

- a) Name or trade mark of the manufacturer.
- b) Month and year of manufacture.
- c) Minimum failing load in K Newton.
- d) ISI certification mark if any.

Marking on porcelain shall be originated and shall be applied before firing.

3.11 DRAWING :

The bidder shall submit detailed drawing along with bid showing design and dimensions in absence of which, the offer is likely to be ignored.

3.12 TESTS BEFORE DESPATCH :

The material shall be subjected at manufacturer's works before despatch to the routine & acceptance tests given here-under as per IS:731/1971 (latest amended).

3.12.1 ROUTINE TESTS:

These tests are to carried out to check various requirements of Pin insulators which are likely to vary during production. The following tests shall be conducted / carried out on each insulator by the bidder at his works as per relevant IS:731/1971 (Latest amended) and he should furnish certificate / record thereof during pre-despatch inspection:-

- i) Visual Examination (clause 10.13)
- ii) Electrical Routine Test (clause 10.15)

3.12.2 ACCEPTANCE TESTS :

These tests shall be carried out on the samples taken from the lot for the purpose of the acceptance of lot which are to be conducted as per relevant IS:731/1971 (latest amended) :

- i) Verification of dimensions (Clause 10.5)
- ii) Temperature Cycle test (Clause 10.6)
- iii) Mechanical Failing Load test (Clause 10.8)
- iv) Puncture test (Clause 10.10)
- v) Porosity Test (Clause 10.11)

3.12.3 ADDITIONAL ACCEPTANCE TEST- INSULATION RESISTANCE TEST

In addition to acceptance test, insulation resistance test shall also be conducted on the samples. For carrying out test, the sampling procedure given in appendix C of IS:731/1971 (2nd revision) shall be followed.

The procedure for carrying out this test shall be as under:

- a) Clean insulator and dry properly, then meggar the insulator with 2.5 KV/ 5 KV meggar.
- b) IR value so measured should not be less than 1000 (one thousand) mega ohms. The testing and criteria for conformity shall be as applicable to puncture test.

3.13. TYPE TESTS:- The following tests shall be conducted on the samples of 11 KV Pin Insulators as per relevant IS:731/1971 (latest amended).

- a) Visual examination.(Cl.10.13)
- b) Verification of dimensions.(Cl.10.5)
- c) Visible discharge test.(Cl.10.2)
- d) Impulse voltage withstand test.(Cl.10.3)
- e) Wet power frequency voltage withstand test.(Cl.10.4)
- f) Temperature cycle test.(Cl.10.6)
- g) Mechanical failing load test.(Cl.10.8)
- h) Puncture test.(Cl.10.10)
- i) Porosity test.(Cl.10.11)

3.14. TYPE TEST ON SAMPLES SELECTED FROM MATERIAL RECEIVED IN STORES FROM 1st OFFERED LOT :

3.14.1 The first lot offered shall not be less than 10 % of the ordered qty or 5000 Nos. 11 KV Pin Insulators whichever is less.

3.14.2 If the bidder has already got conducted the requisite type test from the first lot of material received in Nigam's store against any previous / earlier Bid of JVVNL/JDVVNL/AVVNL and such Type Test reports are valid i.e not older than **5 years** on the date of opening of Techno-Commercial Bids, then the requirement of conducting Mandatory Type Test on the sample selected from 1st Lot of supply received in Nigam's store is **RELAXED**. For this purpose date of conducting type test will be considered.

ALTERNATIVELY

In case the bidder do not meet above requirement than two sample of 11 KV Pin Insulator from the 1st lot of received in purchaser's store shall be selected and sealed in the presence of representative of supplier for getting it Type Tested at Govt. / Govt. approved / Govt. recognized / NABL accredited Laboratory / ILAC Accredited.

3.14.3 However, suppliers own lab shall not be considered for the purpose of type test reports. The selected and sealed sample for type test shall be identified by providing **Polycarbonate seals**. The transportation charges of sample from store to test house shall be borne by NIGAM, Whereas the charges incurred towards type test of the material at test house shall be borne by the supplier. The testing charges should be remitted through D.D. in favour of Test House. The name of the test house shall be intimated separately..

The bidder shall have to deposit type test charge(s) immediately with the supply of 1st lot . If the type test charge(s) are not deposited then acceptance of 2nd offered lot shall be at the discretion of purchaser.

3.14.4 In case sample(s) from first lot fails in type tests then:

a) Supplier shall have to replace the full quantity of the respective inspected lot supplied to various stores which is lying unused.

b) For the quantity already utilized against the order in field a deduction of 30% (thirty percent) of F.O.R. destination price of the material supplied shall be made

c) Sample(s) from next lot shall be selected again for type test . All test charges incurred towards type test of the material for second time shall be borne by the Supplier for which the testing charges should be remitted through D.D. in favour of the Test House by the supplier with the 2nd inspection offer.

3.14.5 In case sample again fails in the type test then:

a)The quantity supplied/received in stores and lying unused in stores shall stand rejected and shall be lifted back by the supplier.

b) For the quantity already utilized against the order in field a deduction of 30% (thirty percent) of F.O.R. destination price of the material supplied shall be made

c) Further supplies shall not be accepted and order shall stand cancelled .

3.15 SAMPLING :

The sampling procedure as laid down in IS:731/1971 with latest amended shall be followed for carrying out specified acceptance tests.

3.16 TOLERANCE ON DIMENSIONS / TEST RESULTS :

As per IS:731/1971 (latest amended).

3.17 TESTS AT SITE :

The purchaser reserves the right to conduct all tests on each type of insulator after arrival at site and bidder shall guarantee test certificates figures under actual service conditions.

3.18 TESTING FACILITIES :

The bidder should possess adequate testing facilities for carrying out routine & acceptance test of item as per relevant standard at their works. The bidder shall furnish documentary evidence in support of conducting routine & acceptance test. The bidder should indicate whether they have conveyor belt system at their works for conducting continuous and 100% Routine test on Pin Insulators and Disc Insulators. In case bidder is not having such infrastructure of Conveyor Belt System, they should indicate their per day capacity for conducting 100% routine test. The per day capacity of testing facilities at the works of the bidder shall be verified by the representative of the purchaser.

3.19 INSPECTION :

3.19.1 All the routine /acceptance tests as mentioned above for pre-despatch inspection shall be conducted at the place of manufacturer unless otherwise especially agreed upon by the bidder and purchaser at the time of purchase. The bidder shall afford the inspection officer(s) representing the purchaser all reasonable facilities without charges, to satisfy him that the material is being furnished in accordance with this specification. The purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is a dispute regarding the quality of supply.

3.19.2 The inspection may also be carried out by the purchaser at any stage of manufacture / before despatch as per relevant standard.

3.19.3 Inspection and acceptance of any material under the specification by the purchaser, shall not relieve the bidder of his obligation of furnishing material in accordance with the specification and shall not prevent subsequent rejection if the material is found to be defective. The bidder shall keep the purchaser informed in advance, about manufacturing programme so that arrangements can be made for inspection.

3.19.4 The purchaser reserves the right to insist for witnessing the acceptance / routine testing of the bought out items.

3.19.5 The bidder shall give 15 days advance intimation to enable the purchaser to depute his representative for witnessing the acceptance and routine tests. The inspection charges would be to the purchaser's account.

3.20 PACKING :

All insulators shall be packed in suitable crates or boxes so as to withstand rough handling of packing.

3.21 GUARANTEED TECHNICAL AND OTHER PARTICULARS :

The full guaranteed technical and other particulars shall be given in the proforma given in Schedule-V Any deviation from the specifications referred to above shall be supported by adequate justification.

3.22 PRICES AND PRICE VARIATION:

a) The prices shall be quoted in Rs. per unit on F.O.R. destination basis in the manner detailed in schedule of Prices(Schedule-IV) indicating details of ex-works price, Excise Duty, freight & Insurance charges, Sales tax / VAT, and Entry Tax, etc. for delivery at our stores.

b) The quoted price shall be variable as per Price Variation formula given in this specification at Schedule-II without any ceiling. The base date of price variation shall be **1st day of one month prior to the date of opening of technical bid** and shall be governed as per **clause No.1.10. of Instructions to bidders**. The offers in which prices have not been quoted in prescribed manner are liable to rejection.

c) 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.

3.23 DELIVERY SCHEDULE

The delivery of quoted quantity should be completed in **Ten months period including commencement period of maximum 30 days at equal monthly rate**. In case ordered quantity is different than quantity monthly delivery shall be adjusted proportionately. Bids in which monthly delivery schedule is not indicated shall be ignored.

3.24 DELAY IN DELIVERY :-

The "Delay in Delivery" shall be governed as per clause 1.24 of General Condition of Contract.

3.25 TEST CHECKING OF MATERIAL AT STORES

The material received in the stores of the NIGAM shall be subjected to the test checking at stores before final acceptance of the material, the procedure for the same shall be as under :

3.25.1 SAMPLING

One sample out of each sub-lot / lot consisting of 3000 Nos. or part thereof from each inspected lot received in stores shall be selected from each store for test checking of material and shall be got tested. **One extra sample of 11 KV Pin insulator for conducting Puncture test.**

The sample selection shall be done as soon as the material is received in stores, without calling the representative of supplier. However, testing at CTL or else where as arranged by NIGAM shall be done in the presence of representative of supplier after identification/ confirmation by the supplier's representative that sample(s) so selected belong to them.

3.25.2 TESTS

The following tests shall be carried out on the above items :

- a) Visual examination, verification of dimensions, creepage distance etc,
- b) Mechanical failing Load Test
- c) Porosity test
- d) Puncture Test

In case if the facility for conducting any of the above test(s) is not available at the NIGAM's CTL, the purchaser reserve the right to get such test (s) conducted at any independent NABL Test House.

- i) For witnessing of the testing, clear 7 days notice shall be given to the supplier stating date, time & place where the test is to be conducted. The testing shall be started after identification / confirmation of sample by the representative of the supplier that sample selected for testing pertain from the lot supplied by them. In case the supplier does not attend for witnessing the testing, the testing shall be proceeded and completed and action be taken as per the contract.
- ii) The CTL shall send copies of test reports to the purchaser, consignees and the supplier and Sr. Accounts Officer (CPC).
- iii) Only those tests shall be conducted at CTL for which facility with CTL is available.

3.25.3 CRITERIA FOR ACCEPTANCE

In case of failure of any of sample (s) in any of the above tests, the material contained in the lot / sub-lot received in store to which the samples belong, shall be rejected. The rejected material shall have to be replaced by the supplier free of cost.

3.25.4 TEST CHARGES :

All test charges incurred towards test checking of the material received in our stores shall be borne by the NIGAM.

3.26 PAYMENT : The Payment shall be governed in accordance with the clause No. 1.42 of GCC with the following modifications :-

A) If bidder have submitted valid type test reports with bid:

The 100% payment shall be released after receipt of successful test reports from CTL.

B) If bidder have not submitted valid type test reports with bid:

i) The 70% payment shall be released after receipt of successful test reports from CTL for the mandatory test checking on the samples selected from the material received at stores against first lot and subsequent lot(s) in anticipation of successful type test reports.

ii) The balance 30% payment shall be released after receipt of successful type test reports on the samples selected from the material received in the stores.

C) The due dates for payment shall be considered from the date of submission of the bills along with receipted challans to Sr. Accounts Officer (CPC) of Jodhpur Discom.

3.27 PLANT, MACHINERY & TESTING EQUIPMENTS;

3.27.1 The bidder should have required plant, machinery and testing equipment for manufacturing & testing of Pin insulators.

3.27.2 The bidder should have conveyor belt system at their works for conducting continuous and hundred percent routine test on 11 KV Pin Insulators . The bids of bidder not having such arrangement (infrastructure) may be ignored.

3.27.3 The bidders should furnish details of plant, machinery and testing equipment with the bids failing which bids may be ignored.

3.28 QUANTITY TOLERANCE :

Quantity tolerance of plus minus 2% of ordered quantity shall be allowed for completion of supply .

3.29 CHALLENGE TESTING :

The other manufacturer can also request challenge testing for any test based on specification. The challenger would request for testing with testing fee. The challenge test fees are proposed at least three times the cost of testing. This is likely to deter unnecessary challenges. The challenger would have the opportunity to select the sample from the store of Nigam and any such challenge should be made within the guarantee period. The party challenged, challenger and the utility could witness the challenged testing. The challenged testing would cover all the type tests as per relevant IS.

The challenge test could be conducted at NABL accredited laboratory, like ERDA/ CPRI . If the values are within limit, the product gets confirmed, else not confirmed. If the product is not confirmed the manufacturer would pay the challenge fee and challenger would get the fee refunded. However, as a redressal system the challenger would be allowed to ask for fresh selection of two more samples from the store of Nigam and same be tested in a NABL laboratory (which shall be other than previously selected NABL accredited lab) at the cost of supplier, in presence of party challenged, challenger and the utility. If any one or both sample does not confirm the tests, then the product is said to have failed the tests. In such cases the manufacturer will be declared as unsuccessful manufacturer for the said product and balance supply shall not be availed and the order shall be cancelled with levy of maximum penalty.

SCHEDULE-I**SCHEDULE OF REQUIREMENT**

The total quantity to be purchased is as under:

S. No.	PARTICULARS OF ITEM	QUANTITY In Nos.
1.	11 KV Brown glazed porcelain Pin Insulator having minimum failing load of 5 KN and suitable for use with small steel head galvanized M.S. Forged Pins. The insulators shall conform to ISS:731/1971 (With latest amendments).	5,69,996

The quantity indicated above is provisional and the purchaser reserves the right of revising the same at the time of placing the order.

SCHEDULE-II

IEEMA/PVC/INSL/2003

Effective from : 1st April,03

PRICE VARIATION CLAUSE FOR INSULATORS

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

$$P = \frac{P_o}{100} \left(15 + 5 \frac{Zn}{Zno} + 53 \frac{IN-INSLR}{Ino_INSLR} + 27 \frac{W}{Wo} \right)$$

Wherein

P = Price payable as adjusted in accordance with the above formula.

Po = Price quoted/confirmed.

Zno = Price of electrolytic high grade zinc(refer notes).

Ino-INSLR = Index number for insulators based on relative prices and weightage (as given in brackets) of wholesale price index for fuel, power, light & lubricants (28), whole sale price index for basic metals, alloys & metal products (15), wholesale price index for wood & wood products(6) and Ball clay (4), calculated considering their values as on 1st January, 2003 as base equal to 100 (Refer Notes).

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

NOTE:- The above and indices are as published by IEEMA vide circular reference No. IEEMA(PVC) INSLR --/-- of the month of 1st day of one month prior to the date of opening of technical bid.

Zn = Price for electrolytic high grade zinc (refer notes) . This price is as applicable on the first working day of the month , two months prior to the date of delivery.

IN - INSLR = Index number for insulators based on relative prices and weightages (as given in brackets) of whole-sale price index for fuel power, light

and lubricants (28) wholesale price index for basic metals, alloys & metal products (15), wholesale price index for ball clay (4), wholesale price index for wood and wood products (6), calculated considering their values as on 1st January 2003 as base equal to 100 (Refer Notes). This index number is as applicable on the first working day of the month, two months prior to the date of delivery.

W = All India average consumer price index number for industrial workers (base 2001 = 100), as published by Labour Bureau, Ministry of Labour, Govt. of India. This index number is as applicable on the first working day of the month, four months prior to the date of delivery.

BASE DATE:- 1st day of one month prior to the date of opening of technical bid

The "date of delivery" (i.e. date of readiness of material) is to be considered as per clause no. 1.10 of Section-I (Instructions to bidders)

NOTES :

a) All prices of raw material considered for arriving at the index number for insulators are exclusive of Modvatable excise duty and exclusive of any other central, state or local taxes, octroi etc.

b) All prices as on 1st working day of calendar month.

c) The details of the prices considered are as under :

- 1) The prices of electrolytic high grade Zn (in Rs./MT) is ex-works price as quoted by primary producer of Zn.
- 2) The prices of ball clay (in Rs./Kg) is the average price of "N-1" type ball clay as quoted by the two manufacturer.
- 3) The wholesale price index for fuel, power, light & lubricants, basic metals, alloys and metal products and wood and wood products are as published by the office of the Economic Advisor, Ministry of Industry, Govt. of India, New Delhi with base 1993-94=100. These wholesale price indices are being published weekly on provisional basis. However, the same get finalized after eight weeks and are normally available after two months. Therefore, we are considering in our calculations these final indices published by Economical Advisor for the Saturday of the Month, two month prior to the date of which the price of ball clay and Zn is considered. For example for calculating index number for insulators on 1st working day of month of Oct., the basic price of Zn and ball clay are to be considered as on 1st working day of Oct., and the wholesale price indices for fuel, power, light and lubricant, basic metal, alloy and metal products and wood and wood products are to be considered as published by economic adviser for the first week ending Saturday of the month of August.

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

**A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of**

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

S.No.	Technical specification to which material/equipment/ Machinery/T&P shall conform	Name of IS/other standard specification to which material should conform	Other particulars if any.
1.	11KV Pin Insulators	IS 731/1971 with latest amendments	
2.	11 KV Pin Insulators (for threads)	IS 2486 with latest amendments	suitable for use with large & small steel head galvanized M.S. Forged Pins

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 conform	Name of IS/other standard specification to which material should conform	Other particulars if any.	to

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-III (A)**TN-1290****11 KV Pin Insulators****PRE-QUALIFICATION REQUIREMENT**

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.

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.

2.0 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

3.0.1 The bidder shall furnish valid and authenticated type test certificate from a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC i.e. International Laboratory Accredited laboratory / ILAC i.e International Laboratory Accrediation Corporation (In case of foreign laboratory) of similar rating and design of tendered material.

The bid of the bidders be also considered for meeting the Type Test criterion if the bidder have the requisite type test conducted successfully on the samples selected from the 1st Lot (**If Applicable**) supplied to JVVNL/JdVVNL/AVVNL against previous tenders and its report are available with the Nigam & furnish certified copy of such Type Test Reports with the bid or reference of order / tender be mentioned in Bid document for verification purpose . Such type test certificates should not be older than **five years** as on the date of bid opening. For this purpose date of conducting type tests will be considered.

The type test certificates by in house laboratory of bidding firm even if it is a Govt approved/ Govt recognized/ NABL accredited Laboratory / ILAC accredited, shall not be accepted, in case of their own bid. This will not apply if bidding firm is Govt. Company/ Public Sector Undertaking.

3.0.2 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)

3.0.3 The type test certificates shall be furnished either in original or duly attested by notary.

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

3.0.5 However, in following cases the 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. approved / Govt. recognized / NABL Accredited laboratory / ILAC Accredited laboratory shall be furnished from first lot received in Nigam store (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 **value as detailed below** . The initial validity of bank guarantee shall be nine months with claim period of three months in addition

- i) Where a new Rajasthan based firm is participating & is technically competent.
- ii) Where one or more type test(s) is/ are older than **5 years**.
- iii) Where Rajasthan/outside Rajasthan firm furnishes requisite type test report of higher rating material.

4.0

Amount of Bank Guarantee in lieu of type test	
For Rajasthan based firms	For Outside Rajasthan based firms
Rs. 1,25,000/-	Rs. 5,00,000/-

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/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.

Note.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.

Note 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.

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

Note 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 failing which the bid will summarily rejected.**
- IV) The bidder should possess adequate testing facilities for carrying out routine & acceptance test of items as per relevant standard(s) at their works. The bidder shall furnish documentary evidence in support for conducting routine & acceptance test.**

Signature of bidder
With stamp
Dated

SCHEDULE-III-B

BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE
 (On Rajasthan Non-Judicial Stamp Paper worth Rs. @ 0.25% of BG amount or Rs. 25,000/-,
 whichever is less.)

To,

The Superintending Engineer (MM&C),
 Jodhpur Vidyut Vitran Nigam Limited,
 New Power House Premises,
 Industrial Area,
 Jodhpur -342003.

Dear Sir,

Whereas Jodhpur Vidyut Vitran Nigam Limited , Jodhpur (hereinafter called the purchaser) has issued a bid enquiry under TN..... for procurement of (Name of material) .

Whereas M/s (hereinafter called the bidder) has furnish a bid for supply of to The Superintending Engineer (MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur or his Nominated officer (s) .

Whereas in accordance with the provision of the specification of the afore said 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 bid, makes default in furnishing the required type test certificates. Also whether the occasion or ground has arisen for such demand the decision of The Superintending Engineer (MM&C), Jodhpur 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 JODHPUR in Rajasthan.

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

Notwithstanding anything contained herein before, the Bank's liability under this guarantee i.e restricted to Rs..... (Rupees) and the guarantee shall remain in force 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 thereunder. 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

Witness:

- 1.
- 2.

TN-1290

ITEM- 11 KV PIN INSULATORS

Must be filled in by the bidder and attached 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 bid against specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1290**, we agree to supply the following quantity :

S. No.	Particulars of Items	Bided Quantity	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates.
1.	2.	3.	4.	5.	6.
1	11 KV Pin Insulators	5,69,996 Nos.			

- The offer is valid for a period of 120 days from the next date of opening of this bid.
- The prices are variable as per PV Formula given at Schedule-II
- It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery schedule as given in Schedule-VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Section-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification.
The material shall conform to your specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1290** and as per relevant ISS in all respect.
- We confirm that we agree to all the terms & conditions as well as the technical stipulation of your specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1290** and there are no deviations other than as specified in the Schedule-VI (A & B).

Yours faithfully,

**Signature of bidder with stamp
Dated.**

SCHEDULE-V-A**GUARANTEED TECHNICAL PARTICULARS FOR 11 KV
PIN INSULATORS (WITHOUT PINS) AGAINST TN-1290.**

S.NO	DESCRIPTION	11 KV PIN INSULATOR
1	Maker's name and Address	
2	Type of Insulators	
3	Minimum failing load(KN)	
4	Standard Specification to which material shall conform.	
5	Type of glaze.	
6	Dimensions(mm)	
	a) Over all height	
	b)Maximum diameter of Insulators	
	c) Groove diameter	
	(i) Top	
	(ii) Neck	
7	Creepage distance(mm).	
	(i) Total	
	(ii) Protected	
8	Working voltage (KV)	
9	Dry power frequency 1 Min. Withstand voltage(KV).	
10	Wet power frequency withstand voltage(KV).	
11	Dry Power frequency flashover voltage (KV)	
12	Wet power frequency flashover voltage(KV).	
13	Power frequency puncture withstand voltage(KV).	
14	Impulse flashover voltage	
	a) + Ve (KV)	
	b) - Ve (KV)	
15	Impulse withstand voltage (KV)	
16	Visible discharge test voltage (KV)	
17	No. of threads per mm	
18	Type of threads	
19	Thimble	
	a) Type of material	
	b) Type	

S.NO	DESCRIPTION	11 KV PIN INSULATOR
20	Net weight of insulator	
21	Tolerance as per specification	
22	Marking details	
23	Packing of details	
	i) Type of packing	
	ii)No. of insulators/crate in each packing	
	iii)Weight of each packing (approx) in Kg	
24	Furnished drawing No./other relevant information if any.	
25	Email ID	
26	Contact No. & Fax No.	

(Signature)

Name and designation with seal.



JODHPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

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

S.No. Particulars of technical & other performance data guaranteed.

Certified that we agree to all the aforesaid technical particulars and other performance data
 except following :-

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

Name & Designation
 with seal of the bidder

Schedule – VI (A)**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

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

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

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

(Signature)

Name & Designation
with seal of the bidder.

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

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

S.No.	Main Deviations from Specification.
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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 bid 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	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

If executed partially to be mentioned (qty.)	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.

TN-1290**Schedule-VII-A****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 Electrical Utilities/ Government Departments/ Discoms/ SEBs as detailed out below:

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 Up to		Remarks
						Qty	Value (Rs.)	Qty	Value (Rs.)	

Signature

Signature of C.A.

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

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(_____)



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
1.	11KV PIN INSULATORS	30 DAYS	EQUAL MONTHLY RATE	TEN MONTHS INCLUDING 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 material	Period for completion of delivery of entire
-------	-------------------------	--------------------------------	-----------------------------------	---

- 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.



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 alongwith 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 alongwith 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.