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

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BID DOCUMENTS FOR PURCHASE OF HT XLPE INSULATED PVC SHEATHED ACSR RABBIT CONDUCTOR SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 11000 VOLTS AGAINST SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAII/TN-1288

S.No	ITEM	Quantity (Approx)
1	HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor Suitable for Working Voltage upto & including 11000 Volts.	5,134 Kms.

LAST DATE AND TIME FOR : DOWNLOAD OF BID DOCUMENT	02.01.2017 UPTO 6:00 P.M.
LAST DATE AND TIME FOR : SUBMISSION OF BID DOCUMENT (Online)	03.01.2017 UPTO 12.00 P.M.
DATE AND TIME OF : OPENING OF BID	03.01.2017 AT 3.00 P.M.
EARNEST MONEY TO BE : DEPOSITED	RS.5,00,000/-(Rs. Five Lacs)
VENDOR REGISTRATION : CLASS	Category "A "
COST OF THE : SPECIFICATION	RS.2,500.00(non refundable)
TENDER PROCESSING : FEE	RS.1000.00 (non refundable)
VALIDITY :	120 DAYS FROM THE NEXT DATE OF OPENING OF TECHNO-COMMERCIAL BID.

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, www.sppp.rajasthan.gov.in & <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.

SECTION – III

TECHNICAL SPECIFICATION & SCHEDULE OF REQUIREMENT FOR HT XLPE INSULATED PVC SHEATHED ACSR RABBIT CONDUCTOR. SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 11000 VOLTS AGAINST TN-1288

1. SCOPE:

This section provides for manufacture, testing before dispatch, supply and delivery F.O.R. destination of ACSR Rabbit Conductor, Cross linked polyethylene Insulated and PVC Sheathed suitable for working voltage up to and including 11000 Volts. The HT Insulated PVC Sheathed ACSR Rabbit Conductor shall be conforming to IS:398(Pt.2)/1996 , **IS:7098(Pt.2)/1985 and IS:5831(1984) with latest amendments.**

The requirement of HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor. shall be as per schedule of requirement annexed with this section at Schedule-I, it may be noted that the requirement indicated in Schedule is tentative & may vary at the time of placement of order.

The bidders should be a manufacturer of ACSR RABBIT Conductor and also of HT XLPE Insulated PVC Sheathed Aerial Bunched / Power Cables. The Offers from sole selling agents / authorized dealer shall not be entertained. The firms (manufacturers) must possess valid ISI License for the ACSR Rabbit Conductor as per IS:398(Pt.2)/1996 as well as XLPE Insulated PVC Sheathed Power Cable suitable for working voltage up to and including 11000 volts As per IS:7098(Pt.2)/1985 with latest amendment. The technical bid of the bidder shall be considered for opening in the absence of non-furnishing of above required ISI License along with the bid. However, Price bid of the responsive bidder shall only be opened if bidder furnishes above valid BIS License up to the official working hours of one working day prior to the schedule / notified date of opening of price bid, along with undertaking on NJS of Rs. 100.00 duly notorised that BIS License so furnished is valid till date and same has not been withdrawn/cancelled by Bureau of Indian Standard, failing which price bid of the bidder shall not be opened.. Similar undertaking of validity of BIS License be also furnished by the bidder who furnishes BIS License along with Technical Bid.

2. STANDARDS:

Unless otherwise stipulated in this specification the following standards with latest amendments shall be applicable for HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor. Any departure from the standards be indicated in Schedule-III:

- | | | | |
|-----|--------------------|---|--|
| i) | IS:398 (Pt.2)/1996 | : | Specification for Aluminum Conductor for over-head transmission line. |
| ii) | IS:7098(Pt-2)/1985 | : | Specification for Cross linked Polyethylene Insulated PVC Sheathed cables from working |

Voltage 3.3. KV up to & including 33 KV.

- iii) IS: 5831 : PVC Insulation and sheath of Electrical Cables
- iv) IS:10810 : Methods of test for cables.
- v) IS:10418 : Drums for Electric Cables

3. CLIMATIC CONDITIONS:

- i) Peak ambient temperature in shade. 50 Deg.C
- ii) Maximum average ambient temperature in a 24 hours period in shade. 40 Deg.C
- iii) Min. ambient air temperature in shade (-)5 Deg.C
- iv) Maximum temperature attainable by an object exposed to sun. 60 Deg.C
- v) Maximum relative humidity 100%
- vi) Average number of thunder storm days per annum 40
- vii) Average number of rainy days per annum. 100
- viii) Average annual rainfall 10 to 100 cm
- ix) Number of months of tropical monsoon conditions 4 months
- x) Maximum wind pressure. 100 Kg/ Sq. mm
- xi) Altitude not exceeding 1000

4. GENERAL REQUIREMENT OF HT XLPE INSULATED PVC SHEATHED ACSR RABBIT CONDUCTOR:

4.1 MATERIAL

A) FOR ACSR RABBIT CONDUCTOR

The material offered shall be of the best quality and workmanship. The conductor shall be constructed of hard drawn aluminum and galvanized steel wires which have the mechanical and electrical properties specified in IS: 398 (Part.2)/1996 with latest amendment, if any, the Zinc coating on the galvanized steel wires may be applied by the hot process in accordance with IS:4826/1979 with latest amendment if any. The ACSR RABBIT to be used shall be BIS marked.

B) FOR XLPE INSULATION

The Conductor shall be provided with cross linked polyethylene insulation applied by extrusion conforming to the requirement given in Table-1 of IS:7098(Part-2)/1985 with latest amendment. The insulation shall be so applied that it fits closely on the conductor and it shall be possible to remove it without damaging the conductor. **The nominal thickness of insulation shall be of 3.60 mm. as per Clause No.11 of IS:7098(Part-2)/1985 and the smallest of measured value of thickness of insulation shall be 3.14 mm as per Clause No.11.3 of IS:7098(Part-2)/1985.**

C) OUTER SHEATH INSULATION

The outer sheath shall be of polyvinyl chloride (PVC) compound conforming to requirement to type ST-2 of IS:5831/ 1984 . **The nominal thickness of insulation shall be of 2.0 mm. as per Clause No.17.3.1 of IS:7098(Part-2)/1985 and the smallest of measured value of thickness of insulation shall be 1.4 mm as per Clause No.17.3.1 of IS:7098(Part-2)/1985. The colour of outer sheath shall be black.**

5. TEST AND TYPE TEST CERTIFICATES:

5.1 The insulated conductor shall be conformed to requirement of latest edition of IS:398 (Part.2)/1996, IS:7098(Part-2)/1985 and IS:5831 / 1984 .

5.2 The material offered shall be fully type tested as per relevant standard of specification of IS:398(Pt.II)/1996, IS:7098(Part-2)/1985 and IS:5831 / 1984 with all subsequent amendments issued time to time. The bidder shall furnish valid type test report of similar rating and design of tendered material along with bid as detailed at Schedule-III A "Pre Qualification Requirement".

The following shall constitute type tests as per requirement of IS-398 Part 2/1996 and IS-7098(Pt-2)/1985 amended up to date.

A) ACSR RABBIT CONDUCTOR (IS-398 Part-2/1996) AMENDED UP TO DATE

- i) Measurement of Dia meter for individual Aluminum and steel wires
- ii) Measurement of lay ratio
- iii) Breaking Load of individual Wires.
- iv) Ductility test
- v) Wrapping test

- vi) Resistance Test
- vii) Galvanizing test.

B) ON XLPE INSULATION AND PVC SHEATHING IS-7098(Pt-2)/1985 AND IS:5831/1984 AMENDED UPTO DATE

- I) Test for thickness of insulation and sheath.
- II) Physical tests for insulation:
 - a) **Tensile strength and elongation at break**
 - b) **Ageing in air oven**
 - c) **Hot set test**
 - d) **Shrinkage test**
 - e) **Water absorption (gravimetric)**
- III) Insulation resistance (volume resistivity test)
- IV) High Voltage Test
- V) Flammability
- VI) Physical Tests for outer sheath :-
 - a) **Tensile strength and elongation at break**
 - b) **Ageing in air oven**
 - c) **Loss of mass in air oven**
 - d) **Shrinkage test**
 - e) **Hot deformation**
 - f) **Heat shock test**
 - g) **Thermal stability**

5.3 The bidder must also clearly indicate various testing facilities available at their works for testing the material as per relevant standards. In case of otherwise particulars of the place where such testing is proposed to be conducted during the course of inspection shall be indicated with the offer.

6. INSPECTION:

6.1 The inspection & testing shall be governed by Clause No.1.27 of Section-II (General Condition of Contract). The inspection may be carried out by the purchaser at any stage of manufacture. The successful bidder shall grant free access to the purchaser's representative at a reasonable time when the work is in progress. Inspection and acceptance of any equipment / material under this specification by the purchaser shall not relieve the supplier of his obligation of furnishing equipment in accordance with the specification and shall not prevent subsequent rejection if the equipment / material is found to be defective.

Following acceptance tests shall be done as per IS:7098(Pt-2)/1985 for XLPE Insulation and PVC Sheathing suitable for working voltage up to & including 11000 Volts as per Clause No.18.2 of IS:7098(Pt-2)/1985, As per clause No.14.2 of IS:398 (Pt-

2)/1996 for ACSR Conductor and shall be conducted in presence of the purchaser's authorized representative / agency on each lot of offered insulated ACSR Conductor. The sampling shall be done as per Appendix-A (Clause No.18.2.1) of IS:7098(Pt-2)/1985 for finished Insulated ACSR Conductor suitable for working voltage up to & including 11000 Volts. Further cold bend /cold impact test(IS-5831/1984) on outer sheath shall constitute the optional test and shall be conducted on first lot or from other lot of the offered insulated conductor as per clause no 18.4 of IS-7098(Pt -2)/1985.

(A) FOR XLPE INSULATION AND PVC SHEATH:

- a) Test for thickness of Insulation and sheath.
- b) Tensile Strength & elongation at Break Test for Insulation and sheath.
- c) Hot Set for Insulation.
- d) Insulation Resistance Test.
- e) High Voltage Test.
- f) Cold impact test

(B) FOR ACSR RABBIT CONDUCTOR:

- i) Measurement of dia of individual Aluminum & Steel Wire.
- ii) Measurement of Lay Ratio.
- iii) Breaking Load of Individual wires.
- iv) Ductility Test.
- v) Wrapping Test.
- vi) Resistance Test.
- vii) Galvanizing Test.

The routine test certificates to be furnished to the Inspecting Officer at works as per IS-398 Part-2/1996 and as per IS:7098(Pt-2)/1985 amended up to date for verification.

6.2 The supplier / manufacturer must offer conductor for inspection through a letter of offer mentioning size and quantity of the conductor along with Packing List duly signed indicating drum Serial No. individual lengths total length, net weight & gross weight in DUPLICATE. This letter of offer shall be addressed to this office. The packing list shall also be furnished to the Inspecting Officer prior to carrying out the inspection at the works.

6.3 The supplier shall keep the purchaser informed in advance about the manufacturing programme so that arrangement can be made for inspection.

6.4 The purchaser reserves the right to insist for witnessing the acceptance / routine test of the bought-out items.

6.5 At least 5% of total nos. of drums subject to minimum of one (1) in any lot put up for inspection shall be selected at random to ascertain the length of insulated conductor by the following method:

“At the works of the manufacturer the insulated conductor shall be transferred from one drum to another for checking any manufacturing defects in the insulated conductor, at the same time measuring its length with the help of the graduated pulley & cyclometer. The difference in average length thus obtained from the declared length by the supplier in the packing list shall be applied to all the drums if the insulated conductor is found short during checking the sample lot(s).”

6.6 The supplier shall present the latest Calibration Certificate(s) of testing instruments / equipments to be used for the testing of the material covered in the Purchase Order to the authorized inspecting officer / inspecting agency of the purchaser. The testing instruments / meters/ apparatus etc. should be got calibrated by the supplier from time to time from Govt. or Independent test laboratory / house having valid accreditation from National Accreditation Board for Testing and Calibrating Laboratories for the testing equipments or original manufacturer having traceability to NABL / NPL or equivalent accredited lab.

The calibration certificate(s) should not in any case be older than one year at the time of presenting the same to the inspecting officer / inspecting agency of the purchaser. The testing instruments / equipments should be duly sealed by the Calibrating Agency and mention thereof shall be indicated in the calibration certificate(s).

7.0 TYPE TEST ON SAMPLE(S) TO BE SELECTED FROM MATERIAL RECEIVED IN STORE:

7.1 The first lot offered for Inspection shall not be less than 10% of ordered quantity of HT XLPE Insulated ACSR Rabbit Conductor or minimum quantity of 20 Kms. whichever is more.

7.2 If the bidder has already got conducted the requisite type test from the 1st lot of material received in Nigam's Store against any previous / earlier tender of JdVVNL 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 bidders do not meet above requirement then one sample of 15 Mtr. Length from the 1st Lot of HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor as received in purchaser's store shall be selected and sealed in the presence of representative of supplier for getting it type tested from a Govt. / Govt. approved / Govt. Recognized / NABL Accredited laboratory / ILAC Accredited laboratory (Suppliers own lab shall not be considered for the purpose of type test). **The selected and sealed sample for type test shall be identified by providing Polycarbonate Seals on both ends of conductor and two stickers seals provided along the length of the conductor. 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. Name of Test House shall be intimated separately by purchaser.**

In case sample from first lot fails then:

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

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 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.

d) In case the 1st sample fails, the supplier shall have to pay the type test charges again for testing house for which the testing charges should be remitted through D.D. in favour of Test House by the supplier with the 2nd inspection offer.

In case sample again fails in the type test then:

a) The quantity lying unused at various stores shall be rejected.

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.

“At the option of purchaser, the material received in the stores may be utilized in the field after receipt of successful test report from CTL, Jodhpur 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 report(s).”

NOTE:

1. **The 70% payment shall be released after receipt of successful Test reports from CTL, Jodhpur for the mandatory testing 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.**

2. **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.**

8.0 STANDARD LENGTH:

8.1 The standard length of the HT XLPE Insulated PVC Sheathed ACSR RABBIT conductor drum shall be **1000 meters**. A tolerance of (+/-) 5% on the standard length offered

by the Bidder shall be permitted. All length outside this limit of tolerance shall be treated as random lengths.

8.2 Random lengths will be accepted provided no length is less than 80% of the standard length and the total quantity of such random length shall not be more than 5% of the total quantity ordered.

8.3 The maximum length in one drum shall be **3000 meter**.

9.0 **TEST CHECKING OF MATERIAL AT STORES:**

i) Sample drums from the material received at stores shall be selected for testing at CTL as per sampling plan given hereunder in presence of firm's representative.

ii) **The selected sample drum for CTL testing shall be identified by the seals provided by Inspecting Officer / Inspecting Agency during pre-dispatch inspection at firm's works and these sealing details shall be invariably mentioned in the sample selection Memo by the nominated officers of Nigam.**

iii) The tests in the Nigam Testing laboratory (CTL) shall be conducted in the presence of representative of supplier for which a 7 days notice shall be issued through Fax / Speed Post stating Date & Time to the firm, so that supplier can depute their representative to witness the test. In case the supplier or his representative does not turn up the testing shall be proceeded & completed. **The payment shall be released only after receipt of successful CTL test reports** for the samples selected at purchaser's stores for mandatory test checking on the samples to be selected from material received at Nigam's stores by officers to be nominated by Circle SE's / SE (I&S) for testing at CTL.

iv) One drum out of each lot / sub-lot of 25 Nos. drums or part thereof for HT XLPE Insulated ACSR Rabbit Conductor received in Nigam Stores. **The selected sample drum / drums shall be transported to CTL by concerned ACOS / SS.**

v) **TESTS:**

The following tests shall be carried out on each selected drum by drawing sample of 10 Mtrs. at CTL from random distance from any length of the selected drum of Insulated ACSR Conductor during rewinding the sample drum :

- a) Rewinding Test (Measurement of Length) & checking of Manufacturing Defects.
- b) Measurement of lay ratio of Bare Conductor during rewinding of Conductor Drum.
- c) Measurement of dia of Aluminum & Steel Strands.
- d) Breaking Load as per IS:398(Pt.2)/1996.
- e) Galvanizing of Steel Wire Test (Uniformity) and Mass of Zinc Coating.

- f) Measurement of Resistance of Conductor as per IS 398 Part-2/ 1996 amended up to date.
- g) Tensile and Elongation test for insulation and Sheath as per IS-7098(Pt-2)/1985 amended up to date.
- h) Thickness of Insulation and Sheath as per IS-7098(Pt-2)/1985 amended up to date.
- i) Hot Set (for XLPE Insulation) as per IS-7098(Pt-2)/1985 amended up to date.
- j) Verification of marking.

NOTE: In addition to above tests remaining acceptance tests as per relevant IS shall also be conducted at CTL provided the testing facility is available at CTL for these tests time to time. Only those tests shall be conducted for which testing facilities are available in NIGAM's Lab.

- (a) The Officer In charge of central Testing Lab (CTL) of Nigam shall send copies of test reports to the Purchasing Officer / Sr. AO (CPC), consignee and the supplier.

(b) The payment of every lot shall be released after receipt of successful test report from Nigam's Lab (CTL) on the samples selected from the material received in Nigam stores.

vi) **CRITERIA FOR ACCEPTANCE:**

- a) Rewinding Test (Measurement of Length):

The results of measurement of length test shall be made applicable to all drums contained in each lot/sub-lot by making deduction of less length of conductor in a sample drum. . In case short length is observed more than 1% of the length contained in Lot/Sub-lot then the lot /sub-lot shall liable to be rejected.

b) If the sample(s) fails in any above tests, the material shall be rejected and shall have to be replaced by the supplier.

c) All test charges incurred towards test checking of the material received in stores shall be borne by the Nigam.

d) If the contractor / supplier fails to lift the material declared rejected or any part thereof from the consignee within a period of 15 days from the date of dispatch of information from the purchaser, the purchaser shall be entitled to effect recovery along with other actions as per Clause No. 1.62 of Section-II (General Condition of Contract).

10. PRICES :

- a) The bidder shall quote the Prices in BOQ (Online) strictly in the manner prescribed in Clause No. 1.09 of Section-I (Instruction to Bidders) & Clause No. 1.33 of Section-II (General Conditions of Contract).
- b) The prices quoted shall be variable as per PV formula given in the specification at Clause No.11 without any ceiling with Base Date as 1.06.2016. The Price Variation shall be governed by Clause No. 1.10 of Section-I (Instruction to Bidder).

11. PRICE VARIATION FORMULA:

The price of XLPE Insulated ACSR RABBIT conductor shall be variable without any ceiling, based on the average prices of ex-prime producer of EC grade Aluminum rod and High Tensile Galvanized steel wire prevailing on **1st day of one month prior to the date of opening of technical bid**, as per CACMAI Circular. The average price of the EC grade Aluminum wire rod and price of High Tensile Galvanized steel wire shall be furnished along with the bid.

No Price Variation shall be allowed on XLPE Insulation and PVC Sheath.

No base price other than the prices prevailing on 1st day of one month prior to the date of opening of technical bid, as per CACMAI Circular will be acceptable in any case.

No variation shall be allowed on labour, packing, forwarding, freight and insurance charges.

The duties / taxes shall not be allowed on basic price of Aluminum Rods and Steel Wire while evaluating the price variation.

Any statutory variation on ED and CST / VAT on the finished conductor shall be payable according to Clause No.1.09.15 of Section-I " Instructions to Bidders".

The Price Variation amount shall be determined as under:

- A. For every one Rupee, increase / decrease per Kg. in the above price of EC grade Aluminum wire Rod, the price per Km. for ACSR Rabbit Conductor shall be increase / decrease by @ Rs.145.00.
- B. For every one rupee, increase / decrease per Kg. in the above price of high tensile galvanized steel wire the price per Km. of ACSR Rabbit Conductor shall be increase / decrease by Rs.69.00.
The above price variation bears no ceiling limit.

The applicable price for claiming price variation on account of change in the price of EC grade Aluminum Wire rod and High Tensile Galvanized Steel wire shall be the price prevailing on the delivery date which shall be considered as per Clause No.1.10 of Section-I “Instructions to Bidders”

The quoted price should be based on the above price variation clause only.

In case there is any decrease in the base price of Aluminum and Steel, supplier shall give an undertaking in the shape of Indemnity Bond on Non Judicial Stamp Paper of Rajasthan State Government Worth Rs.100/- that such decrease will be immediately accounted for and brought to the notice of the purchaser to revise price accordingly. In case of failure to do so, the purchaser shall be at liberty to recover the excess amount drawn by you from any pending payments due or by operating the Bank Guarantee(s) or in the manner as may be deemed appropriate and expedient.

However, if any amount of Excise duty / Sales tax / VAT is claimed from the Nigam and subsequently got refunded back to the supplier from the Government of India / State Government the same shall be refunded to the purchaser within 15 days. Failing which purchase shall be at liberty to recover the excess amount drawn by supplier from any pending payment due or by operating Bank Guarantee(s) or in the manner deemed to be appropriate and expedient.

12. **PACKING AND MARKING:**

The HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor shall be wound on a non returnable wooden drum conforming to IS: 10418/1982 of suitable size.

The conductor drums shall carry the following information either stenciled or painted.

- i) Manufacturer’s name, Brand or trade mark.
- ii) Type of Insulated Conductor and voltage grade.
- iii) Nominal cross-sectional area of the Insulated Conductor.
- iv) Length of Insulated Conductor on the drum
- v) Number of lengths on the drum (if more than one).
- vi) Direction of rotation of drum (by means of an arrow).
- vii) Gross mass.
- viii) Year of manufacture.
- ix) Purchase order / tender No. and
- x) Name of Consignee.

13. **GUARANTEED TECHNICAL PARTICULARS:**

The bidder shall furnish guaranteed technical particulars in the Performa of GTP enclosed at Schedule – VA & VB. Any departure from the GTP be indicated in Schedule-V.

14. **MANUFACTURER:**

The bidder should be a manufacturer of ACSR Rabbit Conductor and XLPE Insulated Aerial Bunched / Power Cables size 50 Sq.mm and above. The inspection / Testing shall be carried out at manufacturer works.

15. **IDENTIFICATION:**

i) **The manufacturer shall be identified throughout the length of HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor by providing legible Embossing as under:**

ii) **EMBOSSING**

The HT XLPE Insulated PVC Sheath ACSR Rabbit Conductor shall also be required to be embossed with the word **Manufacturer's Name or Trade Mark, Electric, Voltage Grade, JODHPUR DISCOM / TN1288, Size of Conductor & year of manufacture at every meter length for which no extra charges shall be paid.**

iii) **MARKING**

The progressive length of HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor in meter shall be marked on every meter length of HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor.

16. **QUANTITY TOLERANCE:**

The ordered quantity of the Insulated Conductor can be supplied with quantity tolerance of (+/-) 2%.

17. **QUANTITY:**

- a) The quantities as mentioned in the schedule of requirement are tentative & these may increase/decrease as per the requirement of the Nigam (**Schedule-I**).
- b) Details of offered quantity along with justification with reference to Qualifying Requirement shall be furnished in **Schedule-IVA**

18. **DETAILS OF PAST EXPERIENCES:**

The details of past orders executed by the bidder may be indicated in the relevant **Schedule- VII & VII A** . The bidder must furnish the documentary evidence like copy of purchase order placed for detailing of past supplies.

19. **DELIVERY:**

The bidder is required to quote monthly delivery in Schedule-VIII. The delivery of quoted quantity of conductor should be **commenced after 30 days from the date of receipt of purchase order and shall be completed in 6 (Six) months thereafter at equal monthly**

installments. In case of ordered quantity is different than the quoted quantity, then monthly delivery shall be adjusted proportionately. **Bids of bidders in which monthly delivery schedule is not quoted shall be considered as Non Responsive.**

20. **CHALLENGE TESTING CLAUSE:**

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 cost of testing. This is likely to deter unnecessary challenges. The challenger would have the opportunity to select the sample from the store and any such challenge should be made within the guarantee period. The party challenged, the challenger & the utility could witness the challenge 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, Bangalore / Muradnagar / Bhopal. 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 asked for fresh selection of two more samples from the stores and the 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 samples does not confirmed 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 - 1
TN-1288

SCHEDULE OF REQUIREMENT

S.No.	Name of Item	Quantity (Kms.)
1	HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor suitable for working voltage up to & including 11000 Volts	5,134 Km.

The above mentioned quantity is approximate and may increase or decrease as per the requirement of the Nigam.

Schedule – III
TN-1288



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 which material/equipment/ Machinery/T&P shall confirm confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.	to
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Certified that we agree to all the aforesaid technical specification except at S.No..... for which our technical specification shall be as under:-

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

Name & Designation
with seal of the bidder.

SCHEDULE-III**PRE-QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF HT XLPE INSULATED PVC SHEATHED ACSR RABBIT CONDUCTOR AS PER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAII/TN-1288**

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

1) STATUS OF BIDDER:

- a) The bidder should be a manufacturer. The offers from sole selling agents / authorized dealers shall not be entertained.
- b) Old / New suppliers : Any bidder located within or outside the state of Rajasthan has albeit participated for the 1st time in a particular discom and meeting minimum qualification requirement (Whether Rajasthan Or Outside Rajasthan) has supplied the tendered material / higher rating in other utility shall be treated as an old supplier. Rajasthan based firms not meeting minimum quantity supplied criteria but having manufacturing and adequate testing facility and technical know how shall be considered as new firms and would be eligible for trial order only.

2) PAST SUPPLY AND PERFORMANCE CRITERIA :

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

2.01) PAST SUPPLY :

2.01.1) The bidder is required to quote for minimum 10% of tendered quantity, failing which the offer may be considered as Non-Responsive.

2.01.2) The bidder should have designed manufactured / fabricated, tested and supplied to utility / Discoms / Govt. Departments at least 2xQQ (QQ being the quoted quantity in Kms.) of similar item / higher rating of tendered material / equipment (HT XLPE Insulated Aerial Bunched / Power Cable of size 50 Sq.mm. & above / HT Insulated PVC Sheathed ACSR Rabbit Conductor) in last three 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 prescribed Performa (Schedule-VIIA) only. This prescribed Performa should be either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the prescribed format C.A. Certificate. The certificate should have Membership Number with the name and address of the Chartered Accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage class / accuracy class of material etc. in the format prescribed. Any deviation to the format or information diverted format will not be considered and rejected.

2.02. PERFORMANCE CRITERIA:

- i) **If a bidder could supply up to 50% of ordered quantity in previous bid up to date of opening of subsequent bid 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 bid and scheduled delivery period expired, then quantity equal to the quantity pending in previous bid for that item shall be reduced from the subsequent bid quantity to be allocated to the bidder.**
- iii) **If a bidder does not fulfill G.P. failed contractual obligations in previous bids then quantity equal to G.P. failed quantity pending for repair / replacement shall be reduced from the subsequent new bid quantity for fresh item to be allocated to the bidder. This action will be in addition to the penal provisions applicable in respective bids**
- iv) **where supply is incomplete.**

3.0) TYPE TEST CRITERIA :

3.01) The bidder shall furnish valid and authenticated type test certificate from a Govt. approved / Govt. Recognized / NABL Accredited laboratory / ILAC i.e. International laboratory Accreditation Corporation (In case of foreign laboratory) / of **similar rating and design** (with Carbon Contents 2.5 +/- 0.5% in XLPE in well dispersed manner) of tendered material / equipment. Such type test certificate should not be older than Five 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 bidding firms even if it is 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.

- 3.02) The bidder should furnish documentary evidence in support of laboratory whose type test have been furnished, that the said laboratory is a Govt./ Govt. approved / Govt. recognized / NABL Accredited laboratory / ILAC accredited (In case of foreign laboratory).
- 3.03) The type test certificate 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 provisions.

In case the bidder is not in a position to furnish type test certificate of tendered item, 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 1st 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 Perform at Schedule-III B or D.D. / Pay Order amounting to **Rs.5 Lacs**. The initial validity of bank guarantee shall be nine months with claim period of three months in addition.

4.01 POOR RECORD OF PERFORMANCE AND DELIVERY :

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

i) When vendor does not accept order awarded on its accepted price and terms and conditions and 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.

5.01 Black Listing:

Bids of the firms black listed shall not be opened. Bidders are liable for black listing for five years in any of the following circumstances ;

- i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as bribery, corruption, fraud, vitiating fair under process including substitution of or interpolation in bids, pilfering or un-authorized use or disposal of NIGAM's material issued for specific works etc.
- ii) The supplier continuously refuses to pay Nigam dues after registered notice even after lapse of six months without showing adequate reasons and where the registering authority is satisfied that no reasonable disputes attracting reference to Settlement Committee or court of law exist for the supplier's action.
- iii) 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 dealings or where security considerations including suspected disloyalty to the Nigam so warrant.
- iv) If a registered supplier being non-renderer for supply but still submits applications giving his offer after receipt / opening of bids received after due process.

NOTE : I If a supplier after having tendered for a work / supply or after negotiations acceptance of order gives applications voluntarily vitiating the fair bidding process, it shall also tantamount to malpractice.

NOTE: II. Severment once done will continue for the notified period of debarment even if the dues are deposited prior to the expiry of such severment period.

However, the relations be deemed to have been restored after expiry of severment period mentioned in the order but the bid of such bidder will not be opened in the Discom where severment was done if the recoverable amount has not been deposited by the firm i.e. severment done by one Discom for non-supply and corresponding recovery will not be effective in other Discom after expiry of notified period but the bid of such bidder will not be opened in that particular discom if the firm has not deposited amount recoverable.

APPEALS AND APPLICATIONS :

Appeal against the order of black listing, debarment and severment can be filed before BOD. The BOD may reduced or waive the penalty if sufficient reasons / supporting documents are furnished by a 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 valid BIS License irrespective to date of issue 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" along with undertaking that BIS License so furnished is valid till date and same has not been withdrawn/cancelled by Bureau of Indian Standard. Similar undertaking of validity of BIS I License be also furnished by the bidder who furnishes BIS License along with Technical Bid.**

SCHEDULE-III-B

BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE

(On Rajasthan Govt. Non-Judicial Stamp Paper worth Rs.0.25% of BG value or Rs. 25000/- whichever is less)

To,

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

Dear Sir,

Whereas Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur (hereinafter called the purchaser) has issued a bid enquiry under TN-1288 for procurement of (Name of material)

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

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

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

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

Payment pursuant to this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the bidder , on receipt of the order and / or after the acceptance of this 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 Vitaran Nigam Limited, Jodhpur, shall be final.

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

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

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

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

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

The bank further undertake not to revoke this guarantee during its currency except with the previous consent of The Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran 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 there under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

IN WITNESS WHEREOF the bank has executed these presents the day month..... and year.....

Yours faithfully,

(Bankers)
Executants

Witness:

1.

2

Schedule-IV A**ITEM - HT XLPE Insulated ACSR Rabbit CONDUCTOR****Must be filled in by the bidder and attached with Technical Bid**

To,
The Superintending Engineer (MM&C),
Jodhpur Vidyut Vitaran Nigam Limited,
New Power House ,
Jodhpur.

Dear Sir,

With reference to your invitation to bid against specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1288**, we agree to supply the following quantity:

S. No.	Particulars of Items	Bid Quantity (KM.)	Qty. Offered (KMS.)	Justification of quantity offered as per Qualifying Requirement
1.	2.	3.	4.	5.
1.	HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor Suitable for Working Voltage upto & including 11000 Volts.	5,134		

- The offer is valid for a period of 120 days from the next date of opening of Techno-Commercial Bid.
- The prices are variable with **base date 1st day of one month prior to the date of opening of technical bid.**
- 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 (Schedule-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification. The material shall conform to your specification No. **JdVVNL/SE(MM&C)/EIIAII/TN-1288** 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-1288** and there are no deviations other than as specified in the Schedule-III, V & VI (A & B).

Yours faithfully,

Signature of bidder with stamp & Date

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

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

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

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 – VA

**GUARANTEED TECHNICAL AND OTHER PARTICULARS OF HT XLPE
INSULATED PVC SHEATHED ACSR RABBIT CONDUCTOR FOR WORKING
VOLTAGE UPTO & INCLUDING 11000 VOLTS.AGAINST TN-1288**

(A)	FOR ACSR RABBIT CONDUCTOR	
1.	Manufacturer's name	
	Office address	
	Works address	
	Telephonic address	
	Telephone	
	Fax	
	Telex	
2.	Standard according to which the conductor will be manufactured & tested	As per IS:398/1996 (Part.II) with latest amendments
3.	Whether conductor offered bears BIS Standard Mark. If Yes, furnish copy of registration certificate of Bureau of Indian Standards	
4.	Aluminum Wires used in the construction of aluminum conductors, galvanized steel reinforced (ACSR) as per tables of IS:398/Part.II/1996	
a)	Diameter	
i)	Nominal (mm)	3.35
ii)	Minimum (mm)	3.32
iii)	Maximum (mm)	3.38
b)	Cross sectional area of nominal dia, wire (Sq. mm)	8.814
c)	Mass (Kg/Km)	23.82
d)	Resistance at 20 Degree C. maximum (Ohms/ Km.)	3.265
e)	Breaking load (Minimum)	
i)	Before stranding (KN)	1.43
ii)	After Stranding (KN)	1.36

5.	Steel Wires used in the construction of aluminum conductors, galvanized steel reinforced (ACSR) as per tables of IS:398/Part.II/1996	
a)	Diameter	
i)	Nominal (mm)	3.35
ii)	Minimum (mm)	3.28
iii)	Maximum (mm)	3.42
b)	Cross sectional area of nominal dia, wire (Sq. mm)	8.814
c)	Mass (Kg/Km)	68.75
d)	Breaking load (Minimum)	
i)	Before stranding (KN)	11.58
ii)	After Stranding (KN)	11.00
6.	Aluminium conductor galvanized steel reinforced as per tables of IS:398/(Part.II/1996)	
a)	Nominal Aluminum area (Sq. mm)	50
b)	Stranding and wire diameter	
i)	Aluminum (mm)	6/3.35
ii)	Steel (mm)	1/3.35
c)	Sectional area of Aluminum (Sq. mm)	52.88
d)	Total sectional area (Sq. mm.)	61.70
e)	Approx. Overall diameter (mm)	10.05
f)	Approx. mass (Kg./Km.)	214
g)	Calculation resistance at 20 Degree C (Max.) (Ohms/Km.)	0.5524
h)	Approx. Calculated breaking load (KN)	18.25
7. a)	Zinc coating of steel wire (IS:4826/1979 with latest amendment)	
i)	No. of 1 minute dip	3
ii)	No. of ½ minute dip	-
b)	Minimum weight of zinc coating (Gm/Sq. mtr.)	237.5

8.	XLPE INSULATION :	By Extrusion
a)	Thickness of Insulation: i) Smallest measured value ii) Nominal measured value	3.14 mm 3.60 mm
b)	Weight of XLPE Kg./Km	To be furnished by bidder
c)	Applicable standard for XLPE Insulation	IS-7098(Pt-2)/1985
9.	PVC OUTER SHEATH:	ST-2 By Extrusion
a)	Thickness of Sheath: i) Smallest measured value ii) Nominal measured value	2 mm 1.4 mm
b)	Weight of PVC Kg./Km	To be furnished by bidder
c)	Applicable standard for PVC Sheathing	IS:5831/1984
10. a)	Standard length of insulated conductor in meters	1000
b)	Tolerance in standard length	+/-5%
c)	No. of the short length(s) i.e. 80% length of standard length will be limited to 5% of the total ordered quantity.	As per Clause No.8 of Specification
11.	No. of standard lengths in Drum	To be furnished by bidder
12..	Total length of insulated conductor in one drum (Kms)	Upto 3 Kms
13.	Net mass of Insulated conductor in one drum (Kg.)	To be furnished by bidder
14.	Tare mass of the drum with lagging (Kg.)	To be furnished by bidder
15.	Gross weight of the drum including weight of the Insulated Conductor (Kg.)	To be furnished by bidder
16.	Size and dimension of Drum as per IS:10418 / 1982 latest amendments	To be furnished by bidder

Note : Bidder are required to furnish value of each parameter. The word **i.e.** to be furnished later on, etc., or as per IS, shall not be allowed and offer liable to be ignored.

Date:

SIGNATURE

RUBBER SEAL

Schedule – VI (A)
TN-1288



JODHPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking
DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION

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

S.No. Main Deviations from Technical Specification.

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

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

Schedule – VI (B)
TN-1288



JODHPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking
DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE
SPECIFICATION

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

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

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

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

Schedule – VII
TN-1288



JODHPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking
LIST OF PAST SUPPLIES

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

S.No.	Detailed particulars of items supplied	Qty in KM	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 KM)	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-VIIA**TN-1288****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 and particulars of purchasing authority	Order No. & date against which item(s) supplied	Unit	Ordered		Actual Supplied during the Financial Year		Remarks
						Quantity	Value (Rs)	Quantity	Value (Rs)	
1	2	3	4	5	6	7	8	9	10	11

Signature
With Seal of the Bidder

Signature of C.A

Name & Designation

Name :

Address:

Date _____

Place _____

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 (_____)

TN-1288

SCHEDULE-VIII**JODHPUR VIDYUT VITRAN NIGAM LIMITED****DELIVERY SCHEDULE****PART – A**

The delivery Schedule of the material by the Purchaser Officer is as mentioned hereunder:-

S. No	Particular Of Material	Commencement Period	Rate of Supply per Month	Period for Completion of delivery of Entire material
1.	HT XLPE Insulated PVC Sheathed ACSR Rabbit Conductor as per Specification against TN-1288	After 30 Days from the date of receipt of P.O.	At equal monthly installment	6 (Six) Months thereafter

Note – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. **Tenders in which monthly delivery schedule as above is not indicated, shall be considered as NON-RESPONSIVE.**

PART - B

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

S. No	Particular Of Material	Commencement Period	Rate Of Supply per Month	Period for Completion of delivery of Entire material

Note: (i) During the commencement period, the process of model assembly and submission of B.O.M. for approval shall be got completed.

(ii) During the commencement period the contractual formalities shall be got completed.

**Signature
Name & Designation
With Seal of the Bidder**

TN-1288
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 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.

SCHEDULE-X

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

TELEPHONE: 0291-2742223**TELE FAX: 0291-2746539**

**BID DOCUMENTS FOR PURCHASE OF HT XLPE INSULATED PVC SHEATHED ACSR RABBIT
CONDUCTOR SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 11000 VOLTS
AGAINST SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAII/TN-1288**

S.No	ITEM	Quantity (Approx)
1	HT XLPE Insulated PVC Sheathed ACSR RABBIT Conductor Suitable for Working Voltage upto & including 11000 Volts.	5,134 Kms.

LAST DATE AND TIME FOR : DOWNLOAD OF BID DOCUMENT	02.01.2017 UPTO 6:00 P.M.
LAST DATE AND TIME FOR : SUBMISSION OF BID DOCUMENT (Online)	03.01.2017 UPTO 12.00 P.M.
DATE AND TIME OF : OPENING OF BID	03.01.2017 AT 3.00 P.M.
EARNEST MONEY TO BE : DEPOSITED	RS.5,00,000/-(Rs. Five Lacs)
VENDOR REGISTRATION : CLASS	Category "A "
COST OF THE : SPECIFICATION	RS.2,500.00(non refundable)
TENDER PROCESSING : FEE	RS.1000.00 (non refundable)
VALIDITY :	120 DAYS FROM THE NEXT DATE OF OPENING OF TECHNO-COMMERCIAL BID.

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, www.sppp.rajasthan.gov.in & <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.

1. **Furnishing of Proof of deposition of Cost of Bid Document, tender processing Fees, Earnest Money/ exemption certificate as per Clause 1.03 & 1.16 of Section-I (Instruction to Bidder) along with downloaded Bid Document is essential otherwise the "BID OFFER" will not be opened. However the bidders who get themselves registered with JdVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract)**

2. The Central and State Govt. undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt. (Central/State) undertaking.

3. The bidder shall quote the Prices strictly in the manner prescribed in Clause No. 1.09 of Section-I (Instruction to Bidders) & Clause No. 1.33 of Section-II (General Conditions of Contract) in **BOQ (on line)** otherwise their bid is liable for rejection. The price quoted should be variable without any ceiling as per CACMAI price variation formula detailed in **Section - III**. The **Base date** for price variation shall be **1st day of one month prior to the date of opening of technical bid.**

i) **The bidder shall ensure that bid is furnished / submitted strictly in the manner detailed in the Specification.**

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

i) Capacity, capability and competency proofing documents.

a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.

b) Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt. Departments / Discoms for similar or higher rating equipment latest executed.

iii) Year wise past experience for last 5 years of similar or higher rating of tendered equipment.

iii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.

iv) Quality assurance plan.

v) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.

5. Bids without Section-I, II, III & Schedules (I,III to X) shall be rejected.

6. JDVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.

7. JDVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (**Schedule-III**).

8. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.

9. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of JDVVNL.

A. Suitable accommodation.

- i. Local conveyance between arrival point, place of stay, works and departure point.
- ii. The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.