

	<p>AJMER VIDYUT VITRAN NIGAM LIMITED (MATERIAL MANAGEMENT WING) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmajmer@gmail.com, Website: www.avvnl.com</p>
---	--

Specification No. AVVNL/SE (MM)/TN -1126

SPECIFICATION FOR NFC TYPE PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS UNDER TN -1126.

LAST DATE & TIME OF UPLOADING OF TENDER / OFFER (E-TENDERING).	:	06.02.2017 (2.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	:	07.02.2017 (2.30 PM)
TENDER PROCESSING FEES (NON-REFUNDABLE)	:	Rs. 1,000.00
COST OF SPECIFICATION (NON-REFUNDABLE)	:	Rs. 2500.00
VALIDITY OF TENDERS REQUIRED UPTO	:	Minimum 120 Days from the Next Date of opening of Techno Commercial Bid.
EARNEST MONEY TO BE DEPOSITED	:	Rs. 2,00,000.00 (Rs. Two Lac only) or Exemption Certificate or Vendor Registration Of Class “A” Category
TENDERING QUANTITY	:	H/W for Aerial Bunched Cable LT Connector Type A – 5,00,000 Nos.
CONTACT PERSON (AUTHORIZED BID SIGNATORY)	:	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS	:	Vidyut Bhawan, Panchsheel, Makadwali Road, Ajmer
MOBILE NO.	:	9414004258
TELEPHONE NO.	:	0145 - 2644529
FAX NO.	:	0145 - 2644542
WEBSITE	:	1. www.avvnl.com , 2. http://risl.rajasthan.gov.in
E-MAIL	:	Info.risl@rajasthan.gov.in

Address of RISL:

Rajcomp Info Services Limited (RISL)
1st floor, Yojna Bhawan, Tilak Marg, C-Scheme, Jaipur (Raj.)
Phone: 0141-5103902, 4031900, Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: Info.risl@rajasthan.gov.in

INDEX

		Remarks
Section - I	Instructions to bidders with addendum/ corrigendum	
Section - II	General Conditions of Contract with addendum / corrigendum	
Section - III	Technical Specification	
Schedule-III-A	Pre- Qualification Requirement (PQR)	
Schedule-IV	Price Schedule	To be submitted in Price Bid Envelope
Schedule-IV-A	Details of tendered quantity, quantity offered along with justification with reference to qualification requirement.	The bidders are required to justify quantity offered as per qualifying requirement.
Schedule-V	Guaranteed Technical Particulars	
Schedule-VI-A	Departure / deviation from Technical Specification.	
Schedule-VI-B	Departure / deviation from commercial terms & conditions of the specification.	
Schedule-VII	List of past supplies.	
Schedule-VII A	C.A Certificate for quantity justification	
Schedule-VIII	Delivery Schedule	
Schedule-IX	List of equipment & technical hands available with the firm.	
Schedule-X	General Particulars about the tender in brief	

Note:- The bidder, 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 be downloaded from AVVNL website www.avvnl.com or [www.http://eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](http://www.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 bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with EMD one day prior to opening of bid i.e. and scan copy the be upload on website of RISL downloaded bid document in the manner prescribed in bid document.

SECTION-III

TECHNICAL SPECIFICATION AND REQUIREMENT OF L.T. INSULATION PIERCING CONNECTORS SUITABLE FOR LT XLPE INSULATED AERIAL BUNCHED CABLES WITH BARE MESSENGER WIRE FOR LT OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO & INCLUDING 1100 VOLTS AGAINST TN- 1126.

1. SCOPE:

1.1 This specification covers manufacture, testing before dispatch, supply and delivery F.O.R. Destination of L T Insulation Piercing connector suitable for LT XLPE Insulated Aerial Bunched Cables with bare Messenger Wire for LT Overhead lines suitable for working voltage up to & including 1100 Volts as per relevant NFC Standard.

The Insulation Piercing Connectors shall be supplied along with Nuts, Bolts, and Washers. The requirement of L T Insulation Piercing connector shall be as per schedule of requirement annexed with this section at Annexure-I. It may be noted that the quantity in the schedule is tentative and may vary at the time of placement of order.

2. APPLICABLE STANDARDS:

Unless otherwise stipulated in this specification the following standards with latest amendments shall be applicable:

S.N.	Particulars	
1	NFC - 33-020	Insulation Piercing Connectors
2	NFC - 33-209	LV Aerial Bunched Cable
3	NFC - 33-004	Electrical Ageing Test
4	NFC - 20-540	Environment Testing for outdoor
5	IS 14255	LV Aerial Bunched Cable

3. CLIMATIC CONDITIONS:

S.N.	Particulars	Details
1	Peak ambient temperature in shade	50 deg.C
2	Maximum average ambient temperature in a 24 hours period in shade	50 deg.C
3	Min. ambient air temperature in shade	(-) 5 deg. C
4	Maximum temperature attainable by an object exposed to sun.	60 deg.C
5	Maximum relative humidity.	90%
6	Average number of thunder storm days per annum.	40
7	Average number of rainy days per annum.	100
8	Average annual rain fall	10 to 100 cm
9	Number of months of tropical monsoon conditions.	4 months
10	Maximum wind pressure	100kg/mtr sq
11	Altitude not exceeding	1000 m

4. GENERAL REQUIREMENTS:

The L.T. Insulating Piercing Connectors are used for making Tee or Tap off connections to LT XLPE Insulated Aerial Bunched Cables suitable up to 1.1 KV, service voltage 0.6 KV. The L.T. Insulation Piercing Connectors are designed to make a connection between the uncut main conductor & a branch cable conductor without removing the insulation and with single tightening. The IPC will first pierce the insulation, then make good electrical contact between the main & the branch conductor while simultaneously insulating & sealing the connection. The teeth of IPC shall be compatible with aluminum phase conductor or aluminum alloy messenger. Exposed metallic parts to be potential free during & after connector mounting.

The performance/ test requirements of insulation piercing connectors shall be as per NFC Standards 33-020.

The Insulation Piercing Connectors must be equipped with shear heads with minimum & maximum shearing torque as indicated by the manufacturer and within the range specified in NFC 33-020.

The L.T. Insulation Piercing Connectors shall be suitable for LT XLPE Insulated aerial bunched cable of following type & Size:

Type	Main Cable	Tap Off cable	End Cap suitable for Sealing Branch
A	16-50 Sq.mm	2.5-10 Sq.mm	2.5-10 Sq.mm.

The Insulation Piercing Connectors must be suitable for application by one worker working alone with a 17mm/ 13mm wrench. Suitable wrenches for installing the connectors shall be included in the scope of supply at the rate of 1 Set for each 1000 Pieces of Connectors ordered (Fraction of 1000 Pieces to be rounded down) The Insulation Piercing Connectors shall be water proof & the water tightness and shall be ensured by appropriate elastomer material & not by grease, gel or paste alone. The Connector shall be provided with removable end cap for sealing cut end of the branch cable enabling tapping on both sides of the connector being in its vertical position with bolt head upward. The end cap shall be rigid of slide type enabling easy positioning and un-losable, after the tap cable is positioned. The end cap shall be equipped with a water tightness seal. Rubber seal around piercing teeth shall be compatible with grease used. Rubber seal shall be designed in a manner to provide proper sealing around the piercing & to avoid the damage to conductor insulation beyond piercing point. Rubber parts shall comprised of material that exhibit resistance to aging caused by heating or other weather conditions.

All the insulating material used shall be UV resistant. Metallic parts shall be hot dip galvanized or of Stainless steel.

The Insulation Piercing Connectors shall have good finish and shall be free from all flaws, sharp edge and suitably rounded off.

The Insulation Piercing Connectors and its components shall meet the following tests in accordance with the requirements & test methods of NFC 33 – 020:

- a) Mechanical Tests
- b) Voltage & water tightness test
- c) Electrical Ageing Test
- d) Corrosion Resistance Test
- e) Climatic Ageing Test

The above hardware/ accessories shall be suitable for use with LT XLPE Insulated PVC sheathed Aerial Bunched Cable conforming to IS:14255/1995 of following sizes:

S.No.	Designation of finished cable
1	1CX25+25 mm ² .
2	3CX16+25 mm ² .
3	3CX25+25 mm ²
4	3CX50+35 mm ² .
5	3CX35+25 mm ²

Note:- The first part of the designation refers to the number and size of the phase conductor and the last to the size of messenger wire. The sizes shown are the nominal cross sectional area of the conductors.

5.0 DRAWINGS:

The successful bidder shall within two weeks of placement of order furnish three sets of final versions of all drawings of hardware/ accessories for purchaser's approval.

6.0 TYPE TESTS & TESTS CERTIFICATES:

The bidder shall furnish valid and **authenticated** type test certificates from CPRI, Banglore / ERDA, Vadodara / ILAC i.e. International Laboratory Accredited Cooperation (in case of foreign laboratory) only. Such type test certificates should not be older than 5 years as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a ILAC accredited, shall not be accepted, in case of their own tender.

The bidder should furnish documentary evidence in support of the laboratory, whose type test have been furnished, that the said laboratory is a ILAC accredited (in case of foreign laboratory).

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

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

Only those bids which accompanied with requisite type test(s) certificate(s) not older than five years as on the date of bid opening, shall be treated as responsive.

Alternatively

However in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from CPRI, Banglore/ ERDA, Vadodara/ ILAC i.e. international Laboratory Accredited laboratory/ ILAC i.e. international Laboratory Accredited Cooperation (in case of foreign laboratory) shall be commencement of supply (without asking for any delivery extension) along with Bank Guarantee, with the technical bid from a Nationalized/ scheduled Bank in prescribed Performa at Schedule-III C or DD/ pay order amounting Rs. (As applicable)/ Rs. (As applicable For Rajasthan based Firm). The initial validity of BG shall be 9 months with claim period of 3 months in addition.

1. Where a new Rajasthan based firm is participating & is technically competent.
2. Where one or more type test (s) is/ are older than 5 years.
3. Where Rajasthan/ outside Rajasthan firm furnishes requisite type test reports of higher rating material.

The Insulation Piercing Connectors should meet the requirement of all tests as specified in respective NFC standard NFC-33-020 along with other relevant standards and their latest amendments. For ready reference, the applicable tests are reproduced below :

Type Tests:

Insulation Piercing Connectors

S. No.	Clause No. of NFC	Description of Test
1	2.3.1	Electrical continuity
2	2.3.1	Shearhead
3	2.3.1	Mechanical Behavior
4	2.3.2	Mechanical strength of main core
5	2.3.2	Mechanical strength of Tap core
6	2.4	Voltage and water tightness
8	2.6	Climatic Ageing
9	2.7	Corrosion Test
10	2.8	Electrical Ageing

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

7.0 INSPECTION:

The inspection may be carried out by the purchaser at any stage of manufacture. The successful bidder shall grant free access to the purchasers representative at 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.

The acceptance tests shall also be conducted on each offered lot by the manufacturer before dispatch in the presence of purchaser's authorized representative / inspecting officer/ agency as per Clause No.1.27 " Inspection and testing" of "General Condition of Contract" Section-II. The acceptance tests shall be carried out as per relevant NFC standards and GTP furnished by the bidder, whichever is more stringent.

8.0 Acceptance Tests:

The Acceptance Tests for Insulation Piercing Connectors shall consist of the following:

For Insulation piercing Connectors. (NFC 33-020)

S. No.	Clause No. of NFC	Description of Test
1	3	Marking as per clause 3
2	2.3.1	Electrical continuity
3	2.3.1	Shearhead
4	2.3.1	Mechanical strength
5	2.4	Voltage and water tightness

The supplier shall present the latest calibration certificates of testing instruments / equipments to be used for the testing of the material covered in the purchaser order to the authorized inspection officer/inspecting agency of the purchaser. The testing instruments/meters/apparatus etc. should be got calibrated by the supplier from time to time from NABL accredited laboratory or NPL for Indian Bidders or Nationally accredited test laboratory for foreign bidders. The calibration certificate should not be in any case be older than 1 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 their of shall be indicated in the calibration certificates.

9. 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 :

9.1. SAMPLING:

One sample out of each sub-lot / lot of 5000 Nos. or part thereof for Type-A connectors from each inspected lot received in stores shall be selected for test checking of material and shall be got tested. The selection of sample from the material received at stores shall be done as soon as material is received in stores without the presence of the representative of the supplier. However, testing of sample(s) at CTL shall be carried out in the presence of representative of the supplier after identification / confirmation by him that sample so selected belongs to them. In case the supplier disputes that the selected samples does not pertain to them, then fresh sample shall be selected in the presence of the representative of the supplier and test(s) be carried out.

9.2 TESTS:

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

- i) Visual Examination, verification of dimensions, marking.
- ii) The other acceptance tests as per NFC Standard / specification may also be carried out subject to availability of testing facility for the same at CTL, Ajmer.

9.2.1 Test of the material shall be got done at the test laboratory of the NIGAM i.e CTL, Ajmer in the presence of representative of supplier. For witnessing of the testing, clear 7 (seven) days notice shall be given to the supplier by fax/ speed post stating date, time & place where the test is to be conducted. In case the supplier do not attend for witnessing the testing, the testing shall be proceeded and completed and action be taken as per the contract.

9.2.2 The witnessing officers of the NIGAM or as designated by the purchaser shall send copies of test reports to the purchaser, consignees and the supplier.

9.3 The type test report furnished by the firm after operating of price bid and before commencement of supply shall be acceptable, in case firm furnished requisite Bank Guarantee in lieu of type test, before opening of the Price Bid.

9.4 The supplies shall be accepted only after receipt of valid type test reports, as above form the firm. Further, no extension in delivery schedule shall be allowed on this ground and in case of delay in delivery/ non-commencement of the supplies, onward action, as per relevant clause of the GCC shall be taken.

10. CRITERIA FOR ACCEPTANCE

- i) Visual Examination, verification of dimensions, marking.
- ii) The other acceptance tests as per NFC Standard / specification may also be carried out subject to availability of testing facility for the same at CTL, Ajmer.

As per NFC-33-020/1998 for the above test (with latest amendment) /Specification.

11. TEST CHARGES :

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

12 PAYMENT:

Payment shall be made only after receipt of successful test report from the CTL on the samples selected from the material received at the stores. However, 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), AVVNL, Ajmer.

13. EMBOSSING & IDENTIFICATION:

It should be provided in each piece as per Clause No.3 of the relevant NFC standards.

14. PACKING, MARKING & FORWARDING:

All Insulation Piercing connectors shall be packed in Cardboard Cartons. The gross weight of the packing shall not normally exceed 50 Kgs. to avoid handling problems.

Suitable cushioning, protective padding or spacer shall be provided to prevent damage to or deformation of the hardware during transit and handling.

All identical items shall be dispatched to destination duly assembled and packed. Bolts, Nuts, Washers etc. shall be packed duly installed and assembled with the respective parts and suitable measures shall be taken to prevent their transit loss.

All packing cases shall be marked legibly and correctly so as to ensure their safe arrival at their destination and to avoid the possibility of goods being lost or wrongly dispatched on account of faulty or illegible marking. Each case / crate shall have all the markings stenciled on it in indelible ink.

15. PAST SUPPLIES:

The details of past orders executed by the bidder must be indicated in the relevant schedule. The bidder must furnish the documentary proof for the orders executed in past, along with self certified purchase specifications and drawings of the products supplied.

16. GUARANTEED TECHNICAL PARTICULARS:

The bidder shall furnish guaranteed technical particulars in the relevant schedule to enable technical evaluation of the bid.

17. PRICES:

Prices offered against this specification shall be **FIRM**.

18. DELIVERY:

The bidder is required to quote monthly delivery. The delivery of quoted quantity should be completed in **seven months** period including commencement period of **maximum 30 days**. 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.

The bidders are required to indicate the delivery schedule in the schedule attached with the Specification.

19. SAMPLES WITH BID :

Two samples of A- type of connector quoted along with dimensional drawing indicating all dimensions and weight shall be furnished to ACOS (AJC), AVVNL, Ajmer on or before opening of the bid for visual examination and checking / verification of dimensions, weight etc. as per specification / GTP/ Drawing at CTL, AVVNL, Ajmer. The bidder shall furnish document with the bid in support of furnishing of samples.

20. DEMONSTRATION & INSTRUCTION MANUAL:

The successful bidder shall submit the Instruction Manual for erection of Aerial Bunched Cable and Hardware to the sub-division at the time of demonstration of erection of LT Aerial Bunched Cable with Hardware.

The successful bidders shall give free of cost demonstration for erection of Aerial Bunched Cable with Insulation Piercing Connector, if asked by Circle Superintending Engineer, in any Sub Division of their Circle, during course of supply. The required I.P. Connector and LT AB Cable for demonstration shall be provided by Nigam.

21. Quantity tolerance:

Quantity tolerance of $\pm 2\%$ of ordered quantity shall be allowed for completion of supply .

SCHEDULE-V-A**GUARANTEED TECHNICAL AND OTHER PARTICULARS AGAINST TN-1126 FOR INSULATION PIERCING CONNECTORS TYPE-A:**

S. N.	Particulars	Type-A
1.	Name of Manufacturer & Address	
2.	Works's Address	
3.	Is Manufacturer of Accessories an ISO 9001 – 2000 Company.	
	Copy of Certificate enclosed	
	Are GA drawings enclosed?	
	Are experience certificates enclosed?	
4.0	Insulation Piercing Connectors (provide info separately for each size offered)	
	Type Number & Size Range	
4.1	Is any metallic part carrying potential in operation exposed during installation ? Metal used for teeth.	
4.2	Are end caps for branch cable ? Slide on Type Rigid	
4.3	Are torque limiting shear heads provided on tightening bolts?	
4.4	Range of sizes accommodated for Branch & Main (fill 4.5.1 to 4.7.5 for each size of connector)	
4.5.1	Rated tightening torque (Nm)	
4.5.2	Min Shear head breaking torque (Nm) Max Shear head breaking torque (Nm)	
4.6.2	Max. Tensile load for no breakdown of main conductor (for each cross-section). Kg.	
4.6.3	Max. tensile on Branch conductor for no slippage / break Kg.	
4.7	Voltage withstand under water immersion	
4.8	Marking on IPC	As per Clause no.3 of NFC

Signature of Bidder with seal

Schedule-III A

AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking

PRE- QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS AGAINST TN- 1126.

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

1.0 STATUS OF BIDDER:-

- a) The bidder should be a Manufacturer of offered items. The offers from sole selling agent/ authorized dealers shall not be entertained.
- b) Old/ New suppliers:- Any bidder located within or outside the state of Rajasthan has participated for the first time in a particular Discom & meeting minimum qualification requirement and has supplied the tendered material/or of higher rating in other utility shall be treated as an old supplier. Rajasthan's firms although supplied in past but not meeting minimum quantity supplied criterion including altogether new units which have not supplied any quantity but having adequate & required manufacturing and testing facility and technical know-how of the tendered material shall be considered as new firms and would be eligible for trial order only. In case of supply made to the licensed power utility outside India, the C.A. certificate furnished by firm shall be considered.

2.0 PAST SUPPLY & PERFORMANCE CRITERIA :-

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

2.01 PAST SUPPLY:-

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

2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to Licensed Govt. 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:-

The Hardwares / Accessories should meet the requirement of all tests as specified in respective NFC standards along with other relevant standards and their latest amendments.

The bidder shall furnish valid and **authenticated** type test certificates from CPRI, Banglore / ERDA, Vadodara / ILAC i.e. International Laboratory Accredited Cooperation (in case of foreign laboratory) only. Such type test certificates should not be older than **05 years** as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a ILAC accredited, shall not be accepted, in case of their own tender.

The bidder should furnish documentary evidence in support of the laboratory whose type test have been furnished, that the said laboratory is a ILAC accredited (in case of foreign laboratory).

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

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

Only those bids which accompanied with requisite type test(s) certificate(s) not older than five years as on the date of bid opening, shall be treated as responsive.

4.0 POOR RECORD OF PERFORMANCE AND DELIVERY :

The bidder who have been black listed in any of the state Discom or with whom business relations have been severed in Ajmer 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.

4.0(A) Black listing of a firm:

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

(i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehavior with Government official by supplier or his partner/employee, bribery, corruption or abatement of such a offence in a position where he could corrupt Nigam's official, fraud, vitiating fair tender process including substitution of or interpolation in tender, mis-representation, pilfer-aging or unauthorized use or disposal of Nigam's material issued for specific work etc.

(ii) Where a supplier or his partner or his representative has been convicted by a court of Law for offences involving moral turpitude in relation to the business dealing or where security considerations including suspected disloyalty to the Nigam/state so warrant the blacklisting.

(iii) If the State Bureau of Investigation or any other authorized investigating agency recommends for blacklisting after completing the investigation.

Note: - 1 If a supplier after having tendered for a supply or after negotiations gives application voluntarily vitiating the fair tendering process, it shall also tantamount to malpractice.

Note:-2 A register containing the reasons for blacklisting the supplier as also the names of all the partner of the suppliers and the allied concerns coming within the effective influence of the blacklisted supplier will be maintained.

Note: - 3 A register of black listed supplier will be maintained which will not only include suppliers enlisted with the Enlisting Authority but also black listed suppliers in Nigam.

Note :-4 A Black listed supplier (i) shall not be entitled for registration in any of the Discom (ii) shall not be awarded any supply order in future in any Discom during the notified period.(iii) his registration if any shall stand cancelled immediately and his registration security /EMD/S.D. shall stand forfeited. (iv) In case of blacklisting of the firm by any one of Discom for the cogent prescribed reason(s) as stipulated above, the same shall be applicable to all the three Discoms and as a consequence of blacklisting, all the pending orders to that firm, will be cancelled in all three (3) Discoms with immediate effect. However in respect of completed/executed contract G.P. obligations as well as other liabilities shall be fulfilled by the supplier.

(B) Severment of Business relation:

(a) After having given Show Cause Notice of 30 days, and having established & cogent reasons for Severment of business relation as given below, the firm should immediately be severed the business relations for a period of 2 to 3 years indicating reasons of doing so, in the letter itself, and a copy of such severment should be given to the firm, with the approval of CLPC:-

(i) The supplier continuously refuses to pay Nigam dues without showing adequate reasons and where the purchasing authority is satisfied that no reasonable dispute attracting reference to Settlement Committee or Court of Law exists for the supplier's action of non-supply.

(ii) When vendor does not accept LOI/detailed purchase order awarded on its accepted prices and terms & conditions or does not comply with the contractual formalities.

(iii) When vendor/supplier who otherwise completed contractual formalities but does not commence supplies on the date of opening of technical bid of the fresh tender/completion of schedule delivery period whichever is later.

Note-1-In case supplier does not deposit outstanding dues towards Nigam, even after completion of severment period, the period of severment will continue.

2. Severment done purely/ mainly on account of non-deposition of dues against the supplier/vendor/contractor could be lifted by CLPC, if the dues are deposited prior to the expiry of such severment period.

3. Severment done by one Discom for non-supply of material and /or corresponding non-recovery of dues will not be effective in other Discoms except in respect of common purchase cases of three Discom.

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

5. The orders in execution satisfactorily will not be cancelled other than the order on which severment have been done.

(C) DEBARMENT

Reasons on which Debarment can be made:-

(i) The competent authority may debar the supplier on account of his performance or other disabilities, if it is no longer considered fit to remain under vendor registration as per his obligation under vendor registration.

(ii) If at any subsequent stage of inspection of firms after award of contract, it is found that firm does not have sufficient tech. staff or required/necessary technical equipments, the purchasing authority can debar the firm for one year or next tenders whichever is later. The debarment will be lifted only on re-inspection of firm's works; the defects noticed earlier are fully rectified to the satisfaction of Nigam.

(iii) When contract agreement executed and supplies commenced but could supply only up to 50% of ordered quantity and scheduled delivery period expired, then the firm can be debarred for one year or next tender whichever is later in that Discom only for that particular item/rating/ capacity/size etc.

(iv) The suppliers who have been awarded contract for supply of material is not adhering to the periodic delivery schedule, the contract awarding authority reserve the right to terminate the contract and may debar the firm in participating in tender for a period of 2 to 3 years.

Note:-1. On debarment, the EMD/ SD/Vendor Registration security shall be forfeited.

Note:-. 2. If the firm is debarred in one Discom for any reasons then the same should not be applicable in other Discom subject to exception that in case of common Discoms purchases such debarment of a firm would be applicable to all three Discoms for that particular item and rating/capacity/size etc.

6.0 APPEALS AND APPLICATIONS:-

Appeal against the order of blacklisting, severment and debarment can be filed before BOD within a period of 3 months from the date of intimation. The letter of appeal will be addressed to the order placing authority. Who will process the case for placing the matter in B.O.D. with in a period 60 days. The BOD may reduce or waive the penalty, if sufficient reasons/supporting documents are furnished by the supplier.

GENERAL CONDITIONS : - (ALL CONDITIONS BE DULY SIGNED & SEALED)

- I) The bidder shall clearly indicate the deviations such as `Technical Deviation & Commercial Deviations' in the prescribed proforma only. The deviations indicated elsewhere in the bid shall not be accepted.
 - II) The bidder must clearly fill up each and every particular of guaranteed technical particulars annexed with Technical Specifications otherwise he will be responsible for Technical Non-responsiveness.
 - III) All documents required in the prescribed format are to be furnished along with the bid itself only except an attested copy of BIS license (wherever it is required), failing which the bid will be summarily rejected.
 - IV) However, a copy of BIS License may be submitted by the bidder up to the official working hours of one working day prior to the schedule / notified date of opening of price bid.
-

Schedule – IV**AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking****TN- 1126**

ITEM- NFC TYPE PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS.

Must be filled in by the bidder and attached with Technical Bid (Part-I)

To,

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

Dear Sir,

With reference to your invitation to bid against specification No. AVVNL/SE/MM/ TN-1126, we agree to supply the following quantity :

S. N.	Particulars of Items	Tendered Quantity	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates
1.	2.	3.	4.	5.	6.
1.	H/W for Aerial Bunched Cable LT Connector Type A	5,00,000			

1. The offer is valid for a minimum period of 120 days from the next date of opening of Techno-Commercial bid.
2. The prices are FIRM.
3. It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
4. The delivery shall strictly be in accordance with our delivery 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.
5. The material shall conform to your specification No. AVVNL/SE/MM/ TN- 1126 and as per relevant ISS in all respect.
6. We conform that we agree to all the terms & conditions as well as the technical stipulation of your specification No. AVVNL/SE/MM/TN-1126 and there are no deviations other than as specified in the **Schedule-III, V, VI (A & B)**.

Yours faithfully,

Dated.

Signature of bidder with stamp

Schedule – VI (A)

**AJMER 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)

**AJMER 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

AJMER 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 affected. This list should be in form given below:-

S.No.	Detailed particulars supplied	Qty in MT	Order No. & Date	Name & details of purchasing authority	Date of Completion	of items
1	2	3	4	5	6	

If executed partially to be mentioned M.T.)order	whether still to be executed	Delivery Remarks stipulated in	(Qty. in
7	8	9	10

Note: Separate schedules are to be furnished by the bidder for past supply to the AVVNL, Ajmer other State Electricity Boards and other Departments /Organizations.

(Signature)

Name & Designation
with seal of the bidder.

Schedule – VIII**AJMER 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 material	Period for completion of delivery of entire
-------	-------------------------	--------------------------------	-----------------------------------	---

The delivery of quoted quantity should be completed in **Six months** period from the date of receipt of LOI excluding commencement period of **maximum 15 days in equal monthly installments in respect of each item.**

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.

Schedule – IX**AJMER 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 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.

Schedule -X

**AJMER VIDYUT VITRAN NIGAM LIMITED
(MATERIAL MANAGEMENT WING)**

Corporate Identification Number (CIN) – U40109RJ2000SGC016482

Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004

Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmavnl@gmail.com, Website: www.avvnl.com

Specification No. AVVNL/SE (MM)/TN -1126

SPECIFICATION FOR NFC TYPE PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS UNDER TN -1126.

LAST DATE & TIME OF UPLOADING OF TENDER / OFFER (E-TENDERING).	:	20.10.2016 (2.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	:	21.10.2016 (2.30 PM)
TENDER PROCESSING FEES (NON-REFUNDABLE)	:	Rs. 1,000.00
COST OF SPECIFICATION (NON-REFUNDABLE)	:	Rs. 2500.00
VALIDITY OF TENDERS REQUIRED UPTO	:	Minimum 120 Days from the Next Date of opening of Techno Commercial Bid.
EARNEST MONEY TO BE DEPOSITED	:	Rs. 2,00,000.00 (Rs. Two Lac only) or Exemption Certificate or Vendor Registration Certificate
TENDERING QUANTITY	:	H/W for Aerial Bunched Cable LT Connector Type A – 5,00,000 Nos.
CONTACT PERSON (AUTHORIZED BID SIGNATORY)	:	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS	:	Vidyut Bhawan, Panchsheel, Makadwali Road, Ajmer
MOBILE NO.	:	9414004258
TELEPHONE NO.	:	0145 - 2644529
FAX NO.	:	0145 - 2644542
WEBSITE	:	1. www.avvnl.com , 2. http://risl.rajasthan.gov.in
E-MAIL	:	Info.risl@rajasthan.gov.in

Address of RISL:

Rajcomp Info Services Limited (RISL)
1st floor, Yojna Bhawan, Tilak Marg, C-Scheme, Jaipur (Raj.)
Phone: 0141-5103902, 4031900, Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: Info.risl@rajasthan.gov.in

Note:- The bidder, 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 be downloaded from [www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](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 bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with EMD one day prior to opening of bid and scan copy be upload on website of RISL. The document shall be downloaded/ uploaded in the manner prescribed in bid document.

1. **Furnishing of Proof of deposition of Cost of Bid Document, 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 AVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract) before submitting of bid documents against this bid enquiry for supply of quoted items under appropriate category are not required to furnish Earnest Money Deposit. They shall furnish the proof of such valid registration with their bid. Cost of Bid Document shall be furnished in the form of Crossed Bank Draft / Bankers Cheque payable in the name of "Sr. A.O. (EA & Cash), AVVNL, AJMER". EMD if required shall be furnished in accordance with Clause No. 1.03.1 of Section-I (Instruction to Bidders) and RISL PROCESSING FEE Rs. 1000/- (NON REFUNDABLE) payable to MD, RISL and Rs. 2500/- tender fees payable to "Sr. A.O. (EA & Cash), AVVNL, AJMER".**
 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 **Schedule-IV** otherwise their bid is liable for rejection. The prices are FIRM.
 4. **The bid offer shall be furnished in two parts & shall comply all provisions of Clause No. 1.02 Section-I (instruction to Bidders) and the Bid offer shall be furnished in the following manner:-**
 - i) **First cover containing proof of deposition of cost of Bid documents & EMD as under:-**

First:	a) Content proof document of tender fee Rs. 1000/- payable to MD, RISL., Jaipur.
Second:	b) Content proof document of tender specification fee (i.e. Rs. 2500/-) payable to Sr. Accounts officer (EA & Cash), AVVNL Ajmer.
Third:	c) Content proof document of EMD of Rs. 2, 00,000.00 (Rs. Two Lacs only) or Exemption Certificate or Vender Registration of Class "A" category or above / A certificate of being a Rajasthan/ Central Govt. undertaking should be clearly written on the front cover on document.
 - ii) **Second envelope/cover for techno-commercial bid. Techno-Commercial Bid' should be clearly written on the front side of the cover.**
 - iii) **Third envelope/cover for price bid. Cover– III Price Bid' should be clearly furnished on prescribed format (schedule Fourth) the front side of the cover.**
- Note:-** Cover III containing price bid will be kept unopened in the safe custody at the website RISL. It will be opened at a later date in respect of those bidders whose offers are found / adjudged technically and commercially acceptable. The date of opening of "Price Bid" shall be intimated to successful bidders in due course of time. In case of deviation from the stipulated clauses of bid specifications, price bid of the bidder will not be opened.
- iv) **The bidder shall ensure that bid is furnished / submitted strictly in the manner detailed in the Specification.**
 5. 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.
 - ii) 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. Quality assurance plan.
 - iv) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material (if applicable).
6. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
 7. AVVNL 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.
 8. AVVNL reserves the right to accept minor deviations in standard terms and also in technical and constructional features as specified in the technical specification (**Section-III**).
 9. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
 10. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of AVVNL.
 - i) Suitable accommodation.
 - ii) Local conveyance between arrival point, place of stay, works and departure point.
 - iii) The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.
- Note:-** If any difficulty arises, in down loading/unloading of tender you may contact in the RISL, Jaipur Rajasthan (Contact no. 0141- 5103902, 4031900) or AVVNL at contact no. 9414069098/9413391454.

Tender Inviting Authority: Superintending Engineer (MM) AVVNL, Ajmer

Name of Work: SUPPLY OF NFC TYPE PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS

Contract No. TN-1126

Bidder Name:

VALIDATE

PRINT

HELP

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Unit	Ex-Works Price (in. Rs. Per unit)	Excise Duty (rate in %)	Frieght (in Rs Per unit)	Insurance (In Rs. Per unit)	CST/VAT (rate in %)	Total Price (in Rs. Per Unit)	Entry Tax (Rate in %)	Total FORD Price (in Rs. Per Unit)
1	2	3	4	5	6	7	8	9	10	11
1.00	SUPPLY OF NFC TYPE PIERCING CONNECTORS TYPE A FOR LT AERIAL BUNCHED XLPE INSULATED ALUMINIUM CONDUCTOR CABLES WITH BARE MESSENGER WIRE FOR OVER HEAD LINES SUITABLE FOR WORKING VOLTAGE UPTO AND INCLUDING 1100 VOLTS AS PER TENDER SPECIFICATION TN-1126	Nos						0.00		0.00
***Total in Figures										0.00
***Total in Words		Rupees only								

