



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

Specification No. AVVNL/SE(MM)/ E4A2//TN -1134

Specification for **ACSR WEASAL CONDUCTOR** under TN -1134

LAST DATE & TIME OF UPLOADING OF TENDER / OFFER (E-TENDERING).	: 08.08.2017 (2.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	: 09.08.2017 (3.00 PM)
TENDER PROCESSING FEES (NON-REFUNDABLE)	: Rs. 1,000.00
COST OF SPECIFICATION (NON-REFUNDABLE)	: Rs. 2950.00
VALIDITY OF TENDERS REQUIRED UPTO	: Minimum 120 Days from the Next Date of opening of Techno Commercial Bid.
EARNEST MONEY TO BE DEPOSITED	: Rs.5,00,000.00 (Rs. Five Lac only) or Exemption Certificate or Vendor Registration Certificate of "A" Category and above
TENDERING QUANTITY	: ACSR Weasal Conductor – 20000 Kms.
CONTACT PERSON (AUTHORIZED BID SIGNATORY)	: Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS	: Vidyut Bhawan, Panchsheel, Makadwali Road, Ajmer
MOBILE NO.	: 9414068978
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

Section-I	Instructions to Bidders	
Section –II	General Conditions of Contract.	
Section -III	Technical Specification For ACSR Weasel	
Schedule-I	Schedule Of Requirement	
Schedule-II	Price Variation Formula	
Schedule-III	Details of Standards	
Schedule -III	Pre Qualification Requirement (PQR)	
Schedule-IV	BOQ(Price Bid)	To be submitted online.
Schedule-IV A	Details of tendered quantity, quantity offered along with justification with reference to Qualifying Requirement.	The bidder is required to justify quantity offered as per Qualifying Requirement.
Schedule-V	Departure from Guaranteed Technical Particulars	
Schedule-V	Guaranteed Technical Particulars of ACSR Weasel	
Schedule VI A	Departure from the requirement of Technical Specification.	
Schedule VI B	Departure from commercial terms & conditions of 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 bidding firm.	

1. Tender documents will be made available on e-Tendering portal **www.eproc.rajasthan.gov.in** & **www.avvnl.com** for viewing. The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website **www.eproc.rajasthan.gov.in** up to the time & date as specified above. 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), Ajmer discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer discom, Ajmer will be considered as final document for all purposes
2. The tender processing fees of Rs. 1,000/- (non-refundable) payable by Demand Draft in favour of Managing Director, RISL (payable at Jaipur) can be deposited in this office & the cost of tender specification i.e. Rs. 2950/- (non-refundable) and EMD of Rs.5,00,000.00 in Demand draft/ Banker's cheque in favour of the Sr. Accounts Officer (EA & CASH), AVVNL, Ajmer (payable at Ajmer) can be deposited in the office of the Sr. Accounts Officer (EA & CASH), AVVNL, Panchsheel, Makarwali Road, Ajmer-305004 upto 2:00 p.m. to one working day prior to schedule date of opening of bid. However the bidders who possess valid vendor registration issued by AVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract) for supply of quoted items under appropriate category are not required to furnish

Earnest Money Deposit. The Central and State Govt. undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt. (Central/State) undertaking. They shall upload the proof of such valid registration/ exemption certificate with their bid.

3. The bidders are required to upload the receipt of depositing all above payments along with their tender at the relevant place on the scheduled date & time otherwise their bids are liable to be rejected.
4. Eligible bidders should submit their bid well in advance instead of waiting till last date. AVVNL will not be responsible for non-submission of Bid due to any website related problems.
5. **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 envelope/ cover containing proof of deposition of cost of Bid documents & EMD as under:-**
 - a. **Content proof document of tender fee Rs. 1000/- payable to MD RISL, Jaipur.**
 - b. **Content proof document of tender specification fee (i.e. Rs. 2950/-) payable to Sr. Accounts officer (EA & Cash), AVVNL Ajmer.**
 - c. **Content proof document of EMD of Rs. 5,00,000.00 (Rs. Five lac only) or Exemption Certificate or Vender Registration of Class "A" category or above or certificate of being a Rajasthan/ Central Govt. undertaking should be clearly mentioned.**
 - ii) **Second envelope/ cover for techno-commercial bid.**
 - iii) **Third envelope/ cover for price bid. Cover– III Price Bid' should be clearly furnished on prescribed format to be uploaded online on website.**

Note:- Envelope/ 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.**

Note :- All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.

Note :- All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>

TN-1134

SECTION-III

TECHNICAL SPECIFICATION FOR ACSR WEASEL AGAINST TN-1134

1. SCOPE

- 1.1 This section provides for manufacture, testing before **dispatch, supply and delivery** F.O.R Destination of Aluminum Conductor, Galvanized Steel reinforced (ACSR) and for satisfactory operation in various lines and sub-stations. The conductor should conform to latest IS. The requirement of various type of Conductor shall be as per Schedule of Requirement Annexed with this Section at Schedule-I. It may be noted that the requirement indicated in the Schedule is tentative and may vary at the time of placement of order.
- 1.2 Aluminum Conductor with galvanized Steel re-enforcement shall be conforming to IS: 398(Pt.2)/1996 with latest amendments if any, supplied on non returnable strong wooden drums generally conforming to IS: 1778/1981 (Latest).

The bidders should be a manufacturer of offered Conductor. The Offers from sole selling agents / authorized dealer shall not be entertained. The firms (manufacturers) must possess valid ISI License for the offered Conductor. The technical bid of the bidders shall be considered for opening in absence of non-furnishing of above required ISI License along with the bid. However, price bid of the responsive bidders shall only be opened if bidder furnishes above required ISI License up to the official working hours of one working day prior to the scheduled / notified date of opening of price bid, failing which price bid of the bidder shall not be opened. The bids from trading firms shall not be considered.

2. CLIMATIC CONDITIONS:

S. No.	Particulars	Value
1.	Peak ambient temperature in shade	50 deg C
2.	Maximum average ambient temperature in a 24 hours period in shade	40 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	100%
6.	Average number of thunderstorms days per annum	40
7.	Average number of rainy days per annum	100
8.	Average annual rainfall	10 to 100 cm
9.	Number of months of tropical Monsoon conditions	4 months
10.	Maximum wind pressure	100 Kg/sq mtr
11.	Altitude not exceeding	1000 M

3. GENERAL TECHNICAL REQUIREMENT OF ACSR CONDUCTORS:

The technical particulars shall be furnished strictly in the Performa attached at Schedule-V-A of this specification. The specific values must be indicated against each column and no 'dash'. 'dot', 'blank' or as per IS word should be indicated in this schedule. The technical suitability shall be adjudged from the values furnished in the clause 3.2 "PRINCIPAL PARAMETERS".

The ACSR conductor shall comply in all respect with IS: 398(Part.2)/1996 with latest amendment, if any from the date of its applicability. Any departure from the standard be indicated in Schedule-III.

3.1 MATERIAL

The material offered shall be of the best quality and workmanship. The conductor shall be constructed from hard drawn aluminum and galvanized steel wires which have the mechanical and electrical properties specified in Tables 1 & 2 of IS:398(Part.2)/1996 with latest amendment, if any, The Zinc coating on the galvanized steel wires may be applied in accordance with IS:4826/1979 with latest amendment if any. The EC Grade Aluminum rods for use in the manufacture of Aluminum Wires shall conform to IS:5484/1978 amended up to date. The zinc used for galvanizing shall be Electro type High Grade Zinc not less than 99.95 percent purity. It shall conform to and satisfy all the requirements of IS:209/1992 amended up to date. Galvanized Steel Wire should comply mechanical properties as per Table 2 of IS:398 (Part.2)/1996 amended up to date. The chemical composition is as per Annexure-C of IS: 398 (Part.2)/1996 amended up to date.

3.2 PRINCIPAL PARAMETERS:

The details of ACSR Conductor are tabulated below: -

PARTICULAR	ACSR Weasel
a) Stranding and wire diameter (mm)	6/2.59 Al. 1/ 2.59 St.
b) Number of strands Central Steel wire Aluminum	1 6
c) Sectional area of Aluminum (Sq. mm)	31.61
d) Total Sectional area (Sq. mm)	36.88
e) Overall diameter (mm) (Approx.)	7.77
f) Weight (Kg/Km) (Approx.)	128.00
g) Calculated max. DC resistance at 20 Deg. C (Ohm./ Km.)	0.9289
h) Approx. calculated breaking load (KN)	11.12
i) Modulus of elasticity (GN/Sq. meter)	79
j) Coefficient of liner Expansion per deg C.	19.1 x 10 ⁻⁶

3.3 The details of aluminum strands are as follows:

PARTICULAR	ACSR Weasel
a) Min. Breaking load of strand before stranding (KN)	0.89
b) Min. Breaking load of strand after stranding (KN)	0.85
c) Max. D.C. Resistance of strand at 20 Deg. C (ohm/Km.)	5.490
d) Diameter mm	
Nominal	2.59
Minimum	2.56
Maximum	2.62
e) Mass (Kg/Km.)	14.24

3.4 The details of steel strands are as follows:

PARATICULAR	ACSR Weasel
i) Min. Breaking load of strand before stranding (KN)	6.92
ii) Min. Breaking load of strand after stranding (KN)	6.57
iii) Diameter mm	
a) Nominal	2.59
b) Max./Min	2.64/2.54
iv) Zinc coating testing	2 dips of 1 min. each & 1 dip. of ½ min.
v) Min. weight of zinc coating GM/ Sq. Mtr.	218.50
vi) Mass of strand at normal diameter of strand(Kg./Km.)	41.09

3.5 **Tolerance on normal sizes:**

The tolerance in diameter of aluminum wires and steel wire used in the manufacture of ACSR shall be allowed as per IS: 398/ (Part-2) /1996 amended up to date.

3.6 **Stranding :**

3.6.1 The wires used in the construction of a galvanized steel reinforced aluminum conductor shall before stranding, satisfy all the relevant requirements of this specification and relevant IS.

3.6.2 The lay ratio of the different layers shall be within the limits given:

NOTE: For the purpose of calculation, the mean lay ratio shall be taken as the arithmetic mean of the relevant minimum and maximum value given in this table.

5. **TESTS :**

TESTS BEFORE DESPATCH: The ACSR Conductor shall be subjected at manufacturer's works before dispatch, to the tests mentioned here-under as per IS: 398 (Part-2)/1996 with latest amended.

5.1 ROUTINE TESTS:

The following tests shall be conducted before and after stranding on each drum of the conductor by the manufacturer at his works as per relevant standard IS: 398 (Part-2)/ 1996 (latest amended)

- a) Visual & dimensional check on drum as per specification.
- b) Visual check for joints, scratches etc. and length of conductor by re-winding of conductor on empty drum as per Specification/ IS.
- c) Measurement of dia-meter of individual Aluminum and steel wires. (Clause-13.2)
- d) Measurement of Lay Ratio. (Clause-13.8)
- e) Breaking load of individual wires (Clause-13.3.1)
- f) Ductility Test (Clause-13.4)
- g) Wrapping Test (Clause-13.5)
- h) Resistance Test (Clause-13.6)
- i) Galvanizing Test (Clause-13.7)
- j) Any other test as per relevant IS

5.2 ACCEPTANCE TESTS:-

The following tests shall be conducted on samples taken at random from a lot as per relevant standard IS: 398 (Part-2)/1996 (Latest amended) in presence of purchaser's representative:-

- a) Visual & dimensional check on drum as per specification.
- b) Visual check for joints, scratches etc. and length of conductor by re-winding of conductor on empty drum as per Specification / IS.
- c) Measurement of dia-meter of individual Aluminum and steel wires. (Clause-13.2)
- d) Measurement of Lay Ratio. (Clause-13.8)
- e) Breaking load of individual wires (Clause-13.3.1)
- f) Ductility Test (Clause-13.4)
- g) Wrapping Test (Clause-13.5)
- h) Resistance Test (Clause-13.6)
- i) Galvanizing Test (Clause-13.7)

7.0 TYPE TESTS

The type test in respect of ACSR Weasel Conductor is already covered under Acceptance Tests, thus requirement of furnishing type test for ACSR Weasel Conductor is not essential along with Bid.

8.0 SAMPLING PLAN

- 8.1 Samples for Acceptance Tests: Samples shall be taken as per relevant IS i.e. IS-398 (Part-2)/1996 or IS-398 (Part-4)/1994 with latest version as the case may be.
- 8.2 Apart from the sample selected for carrying out Acceptance Tests at the works of the firm during inspection, **one more sample from each length be also selected out of one drum under re-winding for carrying out various Acceptance Tests as per relevant IS. If any**

of the sample so selected from each length failed in any acceptance test the entire lot under inspection is not acceptable.

8.3 TOLERANCE ON TEST RESULTS:

Tolerance on test results shall be allowed as per relevant IS/Spec. whichever is more stringent.

9.0 INSPECTION

- 9.1(a) The conductor shall be manufactured in accordance with latest edition of IS: 398(Part.2)/1996 with all subsequent amendments issued from time to time for ACSR Conductor. All the tests as laid down in the above mentioned specification on individual aluminum wire and steel wire or Aluminum Alloy Wire as the case may be shall be carried out. The testing shall also include the tests on manufactured finished conductor. Moreover the supplier shall also furnish test certificate(s) of raw materials to the inspecting officer at the time of inspection. The inspection & testing shall be governed by Clause No.1.27 of Section-II (General Condition of Contract).
- (b) 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.
- (c) The Manufacturer shall provide all adequate facilities at his works for inspection of at least one number conductor drum or 5% conductor drums offered for inspection whichever is higher selected at random by the authorized representative of the purchaser for checking / verification of conductor length/ manufacturing defects by transferring the conductor from one drum to the another empty drum and at the same time measuring the length and lay ratio of each conductor length so transferred by means of the standard calibrated and sealed meter.
- (d) If the firm is not having the necessary facilities for carrying out the required tests as per relevant IS / Purchase Order, the supplier will arrange such testing facilities in some other Government laboratory and shall bear the cost so incurred. But in such cases firm shall inform to the purchaser in advance before commencement of supplies.
- (e) The supplier shall provide adequate facilities for weighment of all the drums offered for inspection.
- 9.2 In case of testing after re-offering as per Clause No.15 of IS:398 (Part.2)/1996 as the case may be, the lot under reference will be subject to 100% checking, if required by the purchaser.
- 9.3 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. Lab 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).

- 9.4 The manufacturer will provide certificates as per the Clause No.7 of IS: 398((Part.2)/1996 "Freedom from defects" and clause No.9 "Joint in Wires" of IS:398 (Part 2) /1996 for ACSR Conductors

10.0 STANDARD LENGTH & VARIATION IN LENGTHS:

- 10.1 The ACSR Conductor shall be supplied in the standard length. The standard length of ACSR Conductor shall not less than the value specified below with a tolerance of (-) 5%. More than the standard length shall be acceptable.

a) ACSR Weasel - 1500 Mtrs.

- 10.2 Short length(s), if any shall not measure less than 80% of standard length as specified above in any case. The total quantity of such short length(s) shall not exceed 5% of the quantity of the lot offered for inspection.

- 10.3 **The maximum permissible length per drum shall be as under subject to condition that the manufacturer while packing the conductor in drum shall ensure that after winding complete quantity of conductor in drum a uniform space of not less than 100 mm. remains between outer layer of conductor and inner surface of the external protective lagging of the drum. This is essential to ensure that the conductor does not get closer to the lagging and to avoid damaged during transportation/ reeling / unreeling or rolling on the undulated ground / fields:**

ACSR WEASEL--- 7.5 Kms.

11.0 QUANTITY TOLERANCE:

A quantity tolerance of plus minus 2% shall be allowed on the total ordered quantity.

12.0 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**.

13.0 PACKING FORWARDING AND MARKING:

- 13.1 The packing shall have to be done as per standard practice worthy of road transport. The conductor shall be wound in strong wooden drums so as to withstand all stresses due to transportation, handling and stringing operation so that there is no damage caused to the conductor during the process of these operations. The wooden drums shall be non-returnable and shall **generally conform IS:1778/1981 with latest amendments, however, the main parameters of the drum shall be as under:**

S.NO.	PARTICULARS	DIMENSION FOR ACSR WEASEL CONDUCTOR
1.	Flange Dia	1250 mm (+/- 5%)
2.	Flange Thickness	2x25 mm (+/- 5%)
3.	Barrel Dia	500 mm (+/- 10 mm)
4.	Traverse	510 mm (+/- 10 mm)
5.	Number of Bolts	4 Nos.
6.	Dia of Bolts	12 mm
7.	Bore Dia	80 mm

However, use of seasoned wood shall not be insisted, provided wood used should be of good quality to withstand transportation hazards. The drums shall be having inside flanges painted with Aluminum Paint and with Ordinary White Enamel paint from outside. The conductor on each drum shall be securely fastened at each end. The outer end of the conductor shall be fastened inside the drum against one of the sides of the flanges while it is under tension and shall be such that no looseness is transmitted to the internal layers. The conductor shall be snugly, tightly and uniformly spooled on the drums. The wrapping of conductor on the drums shall be laid snugly against side of the preceding wrap and the first and last wrap in each layer shall fit snugly against the sides of the flanges. Drums shall be lagged with sufficient strong wooden laggings to support the full drum without crushing. The wooden drums after providing lagging shall be fastened by two steel wires of min. 3 mm. Dia over the lagging on the two sides of adequate size to keep the lagging intact and to prevent the drum from crushing/damage.

Although the various dimension of the drums such as flanges, stretches, traverse and barrel diameter shall depend on the quantity of conductor as offered and agreed upon, on one drum. **The manufacturer while packing the conductor in drum shall ensure that after winding complete quantity of conductor in drum a uniform space of not less than 100 mm. remains between outer layer of conductor and inner surface of the external protective lagging of the drum. This is essential to ensure that the conductor does not get closer to the legging and to avoid damaged during transportation/ reeling / unreeling or rolling on the undulated ground / fields.**

- 13.2 Water proof material shall be wrapped round the barrel and inner surface of flange before winding the conductor and also wrapped round over the conductor completely wounded and under the laggings.

13.3 **The drums shall be marked clearly in block letters with water proof mark having the marking attached to them so that there is no possibility of goods being lost or wrongly dispatched due to faulty marking. The marking shall constitute the following:-**

- a) Name & full address of the consignee.
- b) Destination station.
- c) Serial number of drum.
- d) Size of Conductor with its code name.
- e) Total length of Conductor in drum, with individual length (s).
- f) Number of length(s) in each drum.
- g) Gross mass of drum including the tare mass of drum.
- h) Tare mass of the empty drum with lagging.
- i) Net mass of conductor.
- j) BIS standard mark.
- k) Name of the supplier.
- l) Purchase order reference/TN number.
- j) Date of expiry of warranty / guarantee period.

Besides above, an arrow shall be put on the drum so as to indicate the direction in which the drum can be unwound. The manufacturer shall also provide his own lead seal with distinguishing mark at the outer end of the conductor on each drum before dispatch of the material.

14. 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.13 without any ceiling with Base Date as 01.07.2017. The Price Variation shall be governed by Clause No. 1.10 of Section-I (Instruction to Bidder).

15. PRICE VARIATION FORMULA:

The price of conductor(s) 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 on 01.07.2017. as per CACMAI Circular. The average price of the EC grade Aluminum wire rod, and price of High Tensile Galvanized steel wire (as the case may be) shall be furnished along with the bid.

No base price other than the prices prevailing on 01.07.2017 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 Aluminium Rods, and Steel Wire, while evaluating the price variation.

Any statutory variation on Goods & Services Tax (GST) 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 Weasel Conductor shall be increase / decrease by @ Rs.87.00. For every one rupee, increase / decrease per Kg. in the above price of high tensile galvanized steel wire the price per Km. of ACSR Weasel Conductor shall be increase / decrease by @ Rs.41.00.

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 Goods & Services Tax (GST) is claimed from the AVVNL 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.

16.0 MODVAT

The price quoted in the bid offer should be after considering the Modvat benefit.

17.0 OCTROI DUTY

Presently, Octroi duty is not applicable in entire Rajasthan State and AVVNL is exempted from payment of Octroi Duty. However, if leviable, the same shall be borne by the Nigam at actual and shall be payable by the consignee or the Sr. A.O. (CPC) AVVNL, AJMER on production of original cash receipt provided the GTR is prepared in favor of AJMER Vidyut Vitran Nigam Limited and not on "SELVES" basis.

18.0 PAYMENTS

The payment shall be governed by the provisions of the General Conditions of Contract and shall be released after receipt of successful test report from Nigam's (CTL) on the samples selected from the material received in stores as per clause No.20.

19.0 DELIVERY:

The bidder is required to quote monthly delivery in Schedule-VIII. The delivery of quoted quantity of each type of conductor should be **commenced after 30 days from the date of receipt of purchase order and shall be completed in 09 (Nine) months thereafter at equal monthly installments for each type of conductor.** 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.**

20.0 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 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 the samples to be selected from material received at Nigam's stores by officers to be nominated by Circle SE's for testing at CTL.

20.1 SAMPLING

Selection of samples from the material received at stores shall be done as soon as material received in stores in the presence of representative of supplier.

One number Drum out of each lot / sub-lot of 20 Nos. Drums or part thereof for the material received in Stores of Nigam. The selected sample drum / drums shall be transported to CTL by concerned ACOS / SS.

In case of selection of sample for type test the length of the sample shall be of 15 Mtrs. The selected and sealed sample for type test shall be identified by providing polycarbonate seals on both ends of conductor and after forming the coil of conductor two stickers seals provided around the coil.

20.2 TESTS

- 20.2.1. The following tests shall be carried out as per relevant Clause of latest IS-398 (Part2)/1996 on each selected drum by drawing sample of 5 Mtrs. at CTL from random distance from any length of the selected drum of ACSR Conductor during rewinding:
- Drum.
- a) Rewinding test (Measurement of Length and weight) & Checking of Manufacturing defects.
 - b) Measurement of lay ratio during rewinding of Conductor
 - c) Dia. of Aluminum Strands and Steel Wires.
 - d) Breaking load test.
 - e) Resistance Test.
 - f) Galvanization of steel wire (Uniformity) and Mass of Zinc Coating.
 - g) Verification of Water Proof marking on Drum as per Specification.

NOTE: (a) 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.

20.3 CRITERIA FOR ACCEPTANCE:

- (a) Rewinding Test (Measurement of Length and weight): 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 one percent of the length contained in lot / sub-lot, then the lot / sub-lot shall liable to be rejected.

The net calculated weight of various type of conductor corresponding to minimum prescribed diameter in IS of Aluminum Strand, Steel Strand ACSR Conductor shall be as under:

a) ACSR WEASEL

124.32 Kg./Km.

If weight of conductor corresponding to minimum prescribed diameter as per IS found less up to 2% in respect to measured length the lot shall be acceptable otherwise the entire lot for which sample drum represents shall be rejected and to be replaced by the supplier.

- (b) If the sample(s) fail in any test other than length measurement, the entire material in the Lot shall be rejected and shall have to be replaced by the supplier.
- (c) 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 instruction 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).

21.0 TEST CHARGES:

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

22.0 DETAILS OF PAST EXPERIENCE:

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.

23.0 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 un-necessary 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.

TN-1134**SCHEDULE - 1****SCHEDULE OF REQUIREMENT**

S.No.	Name of Item	Quantity
1	ACSR "Weasel" Conductor size Aluminum 6/2.59 mm & Steel 1/2.59 mm having sectional Aluminum Area of 31.61 Sq. mm.	20000 Kms.

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

TN-1134

Schedule – II

AJMERVIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

PRICE VARIATION FORMULA FOR ACSR WEASEL CONDUCTOR**For Aluminium**

$$PV1 = (AI - AIo) * 87 / 1000$$

AI = Price of Aluminium Rod for the month for which PV is required

AIo = Price of Aluminium Rod for Base Date month.
This price is as on 01.07.2017 (Base Date).

For Steel

$$PV2 = (S - So) * 41 / 1000$$

S = Price of Steel for the month for which PV is required

So = Price of Steel for Base Date month.
This price is as on 01.07.2017 (Base Date).

$$\text{Net PV} = PV1 + PV2$$

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.

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

The price of conductor shall be variable without any ceiling, based on the average prices of ex-prime producer of EC grade Aluminium rod and High Tensile Galvanized steel wire of ACSR Weasel Conductor prevailing on **01.07.2017**, as per CACMAI Circular. The average price of the EC grade Aluminium wire rod and price of High Tensile Galvanized steel wire shall be furnished along with the bid.

Note:- 1. CACMAI Prices will be exclusive duty and other taxes.

2. No variation shall be allowed on labour, packing, forwarding, freight and insurance charges.
3. Any statutory variation on Goods & Services Tax (GST) on the finished conductor shall be payable according to Clause No.1.09.15 of Section-I " Instructions to Bidders".

TN-1134

Schedule– III

AJMER VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of
(Name of Material/Equipment/Machinery/T&P etc.)

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

Certified that we agree to all the aforesaid technical specification except at S.No..... for which our technical specification shall be as under:-

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

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-111A**PRE-QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF ACSR WEASAL CONDUCTOR CONFORMING TO IS:398(Part-2/1996 WITH LATEST AMENDMENT AS PER SPECIFICATION NO. AVVNL/SE(MM) /E4A2/TN-1134.**

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

1.0 STATUS OF BIDDER:-

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

2.0 PAST SUPPLY & PERFORMANCE CRITERIA :-

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

2.01 PAST SUPPLY:-

- 2.01.1 The bidder is required to quote for minimum **10 %** of tendered quantity failing which their offer may be considered Non-Responsive.
- 2.01.2 The bidder should have designed, manufactured / fabricated, tested and supplied to utility / Discoms / Govt. Departments at least 2 X QQ (QQ being the quoted quantity) of similar item / higher rating of tendered material / equipment in last 3 financial years from the date of opening of technical-commercial bid.

Note: Requirement of quantity manufactured, minimum quantity to be offered and amount of Bank Guarantee to be furnished in absence of test certificate shall be reduced to 25% for Rajasthan based units.

2.01.3 In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the enclosed prescribed proforma only. This prescribed proforma should be furnished either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the C.A. Certificate. The certificate should have membership number with the name & address of the chartered accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage Class, Rating of the Transformer etc. in the format prescribed, any deviation to format or information diverted format, will not be considered and rejected.

Note:-The material supplied and accepted for same/higher rating for Turnkey projects to a licensed power utility/Govt. shall be considered for the purpose of evaluating criteria. The certificate given by C.A. shall indicate above quantity separately.

2.02 **PERFORMANCE CRITERIA:-**

- 2.02.1 i) If a bidder has supplied up to 50% of ordered quantity in previous tender up to date of opening of subsequent tender and scheduled delivery period expired, the bid of such bidder will not be opened in the Discom for that item.
 ii) However, if the supplies have been completed for a quantity more than 50% but not completed up to date of opening of subsequent tender and scheduled delivery period expired, the quantity equal to the quantity pending in previous tender for that item shall be reduced from the subsequent tender quantity to be allocated to the bidder.

3.0 **TYPE TEST CRITERIA:-**

3.01 The type test in respect of ACSR Weasel is already covered under Acceptance Tests, thus requirement of furnishing type test for **ACSR Weasel** is not essential along with Bid.

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 shall not be considered. Severment of business relations will be done in case of following circumstances for the period and with the recovery mentioned against each:

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

5.0 (A) Black listing of a firm:

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

- (i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as manhandling/misbehavior with Government official by supplier or his partner/employee, bribery, corruption or abatement of such a offence in a position where he could corrupt Nigam's official, fraud, vitiating fair tender process including substitution of or interpolation in tender, mis-representation, pilfer-aging or unauthorized use or disposal of Nigam's material issued for specific work etc.
- (ii) Where a supplier or his partner or his representative has been convicted by a court of Law for offences involving moral turpitude in relation to the business dealing or where security considerations including suspected disloyalty to the Nigam/state so warrant the blacklisting.
- (iii) If the State Bureau of Investigation or any other authorized investigating agency recommends for blacklisting after completing the investigation.

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

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

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

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

(B) Severment of Business relation:

- (a) After having given Show Cause Notice of 30 days, and having established & cogent reasons for Severment of business relation as given below, the firm should immediately be severed the business relations for a period of 2 to 3 years indicating reasons of doing so, in the letter itself, and a copy of such severment should be given to the firm, with the approval of CLPC: -
 - (i) The supplier continuously refuses to pay Nigam dues without showing adequate reasons and where the purchasing authority is satisfied that no reasonable dispute attracting reference to Settlement Committee or Court of Law exists for the supplier's action of non-supply.
 - (ii) When vendor does not accept LOI/detailed purchase order awarded on its accepted prices and terms & conditions or does not comply with the contractual formalities.
 - (iii) When vendor/supplier who otherwise completed contractual formalities but does not commence supplies on the date of opening of technical bid of the fresh tender/completion of schedule delivery period whichever is later.

- Note-1** In case supplier does not deposit outstanding dues towards Nigam, even after completion of severment period, the period of severment will continue.
- 2. Severment done purely/ mainly on account of non-deposition of dues against the supplier/vendor/contractor could be lifted by CLPC, if the dues are deposited prior to the expiry of such severment period.
 - 3. Severment done by one Discom for non-supply of material and /or corresponding non-recovery of dues will not be effective in other Discoms except in respect of common purchase cases of three Discom.
 - 4. On severment of business, the EMD/SD/vendor registration security will be forfeited.
 - 5. The orders in execution satisfactorily will not be cancelled other than the order on which severment have been done.

(C) DEBARMENT

Reasons on which Debarment can be made: -

- (i) The competent authority may debar the supplier on account of his performance or other disabilities, if it is no longer considered fit to remain under vendor registration as per his obligation under vendor registration.
- (ii) If at any subsequent stage of inspection of firms after award of contract, it is found that firm does not have sufficient tech. staff or required/necessary technical equipments, the purchasing authority can debar the firm for one year or next tenders whichever is later. The debarment will be lifted only on re-inspection of firm's works; the defects noticed earlier are fully rectified to the satisfaction of Nigam.
- (iii) When contract agreement executed and supplies commenced but could supply only up to 50% of ordered quantity and scheduled

delivery period expired, then the firm can be debarred for one year or next tender whichever is later in that Discom only for that particular item/rating/ capacity/size etc.

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

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

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

6.0 APPEALS AND APPLICATIONS:-

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

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

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

TN-1134**Schedule-IV A****ITEM - ACSR WEASAL CONDUCTOR.****Must be filled in by the bidder and attached with Technical Bid**

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)/EIIAII/TN-1134**, we agree to supply the following quantity:

S. No	Particulars of Items	Bid Quantity (KMS.)	Qty. Offered (KMS.)	Justification of quantity offered as per Qualifying Requirement
1.	2.	3.	4.	5.
1.	ACSR Weasel Conductor	20,000		

1. The offer is valid for a period of minimum 120 days from the next date of opening of Techno-Commercial Bid.
2. The prices are variable with base date 01.07.2017.
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. The material shall conform to your specification No. **AVVNL/SE(MM)/E4A2/TN-1134** and as per relevant ISS in all respect.
5. We confirm that we agree to all the terms & conditions as well as the technical stipulation of your specification No. **AVVNL/SE(MM)/E4A2/TN-1134** and there are no deviations other than as specified in the Schedule-III, V & VI (A & B).

Yours faithfully,
Signature of bidder with stamp
Dated

Schedule – V**TN-1134****AJMERVIDYUT 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.
-------	---	-----------------------------------

(Signature)

Name & Designation
with seal of the bidder.

TN-1134

SCHEDULE-V-A**GUARANTEED TECHNICAL PARTICULARS OF ACSR CONDUCTOR**

Sr. No.	PARTICULARS	ACSR Weasel Conductor
1	Manufacturer's Name	
	Office Address	
	Work's Address	
	Telephone No.	
	Fax No.	
	Email ID	
	Name of Contact Person	
2	Code name	
3	Standard according to which the conductor will be manufactured & tested.	
4	Whether conductor offered bears BIS Standard Mark If Yes, furnish copy of registration certificate of Bureau of Indian Standards.	
5	Aluminium Wires used in the construction of aluminium conductors galvanized steel reinforced (ACSR) as per tables of IS: 398/ Part.II /1996	
a)	Diameter.	
i.)	Nominal (mm)	
ii)	Minimum (mm)	
iii)	Maximum. (mm)	
b)	Cross sectional area of nominal dia. Wire (SQ,MM)	
c)	Mass. (Kg/Km.)	
d)	Resistance at 20 Degree C. maximum (ohms/Km.)	

e)	Breaking load (Minimum)	
i.)	Before stranding (KN)	
ii)	After Stranding (KN)	
6	Steel Wires used in the construction of aluminium conductors, galvanized steel reinforced (ACSR) as per tables of IS: 398/ Part.II /1996	
a)	Diameter.	
i.)	Nominal (mm)	
ii)	Minimum (mm)	
iii)	Maximum. (mm)	
b)	Cross sectional area of nominal dia. Wire (SQ,MM)	
c)	Mass. (Kg/Km.)	
d)	Breaking load (Minimum)	
i.)	Before stranding (KN)	
ii)	After Stranding (KN)	
7	Aluminium conductor galvanized steel reinforced as per tables of IS: 398/ (Part .II /1996)	
a)	Nominal Aluminium area (Sq.mm.)	
b)	Stranding and wire diameter	
i)	Aluminium (mm)	
ii)	Steel (mm)	
c)	Sectional area of Alu.(Sq.mm)	
d)	Total sectional area (Sq.mm.)	
e)	Approx. overall diameter(mm)	
f)	Approx. mass (Kg./Km.)	
g)	Calculation resistance at 20 Degree C(max.) (ohms/Km.)	
h)	Approx. Calculated breaking load (KN)	
8. a)	Zinc coating of steel wire (IS: 4826/1979 with latest amendment).	
i.)	No. of 1 minute dip.	
ii.)	No. of 1/2 minute dip.	
b)	Minimum weight of zinc coating (Gm/sq.mtr)	
9.	Standard length in meter	

10.	Nos. of the short length as per clause No. 10 of specification of Schedule-III.	
11.	Total length in one drum (Kms.)	
12.	Net mass of conductor in one drum(Kg.)	
13.	Tare mass of the drum with lagging (Kg.)	
14.	Gross weight of the drum including weight of the Conductor (Kg.)	
15.	Wooden Drum for ACSR 'Dog' Conductor(dimensions in Cm)	
a)	Flange Dia.	
b)	Barrel Dia.	
c)	Traverse	
16.	Space between outer layer of conductor and inner surface of the external protective lagging of the drum after winding complete quantity of conductor in drum.	
17.	Other particulars, if any	

SIGNATURE

RUBBER SEAL & Date

TN-1134

Schedule – VI (A)

AJMERVI DYUT VI TRAN 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.

TN-1134

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**TN-1134**

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 effected. This list should be in form given below: -

S.No.	Detailed particulars of items supplied Completion	Qty in Km.	Order No. & Date	Name & details of purchasing authority	Date of
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 AVVNL, Ajmer other State Electricity Boards and other Departments /Organizations.

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-VIIA**TN-1134****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 Licensed
 Power 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 up to		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 (_____)

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.

TN-1134

SCHEDULE-**VIII****AJMERVIDYUT 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.	ACSR Weasal Conductor as per Specification against TN-1134	After 30 Days from the date of receipt of P.O.	At equal monthly installment	09(Nine) 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**

Schedule – IX**TN-1134****AJMERVIDYUT 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

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

Specification No. AVVNL/SE(MM)/TN -1134

Specification for **ACSR Weasal Conductor** under TN -1134

LAST DATE & TIME OF UPLOADING OF TENDER / OFFER (E-TENDERING).	: 08.08.2017 (2.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	: 09.08.2017 (3.00 PM)
TENDER PROCESSING FEES (NON-REFUNDABLE)	: Rs. 1,000.00
COST OF SPECIFICATION (NON-REFUNDABLE)	: Rs. 2950.00
VALIDITY OF TENDERS REQUIRED UPTO	: Minimum 120 Days from the Next Date of opening of Techno Commercial Bid.
EARNEST MONEY TO BE DEPOSITED	: Rs.5,00,000.00 (Rs. Five Lac only) or Exemption Certificate or Vendor Registration Certificate of "A" category and above
TENDERING QUANTITY	: ACSR Weasal Conductor – 20000 Kms.
CONTACT PERSON (AUTHORIZED BID SIGNATORY)	: Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS	: Vidyut Bhawan, Panchsheel, Makadwali Road, Ajmer
MOBILE NO.	: 9414068978
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

1. 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/ licensed power 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.
 - iv) Quality assurance plan.
 - v) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material (if applicable).
2. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
 3. Bids shall be furnished in single copy.
 4. 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.
 5. 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)**.
 6. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
 7. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of AVVNL.
 - 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.

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. 9414004258/9413391452.