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**Note:** The bidders, in their own interest are requested to read very carefully **Section-I (Instruction to Bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification)** before filling the bid. The Bid documents be downloaded from JVVNL website [www.jaipurdiscom.in](http://www.jaipurdiscom.in) . No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in the bidding documents downloaded from the website and appended with the bid (as a bid document) and the original copy of such document available in the office of Superintending Engineer(Proc), Jaipur discom, Jaipur then the copy available with Superintending Engineer(Proc), Jaipur discom, Jaipur will be considered as final document for all purposes. The cost of Bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

**JAIPUR VIDYUT VITARAN NIGAM LIMITED  
( PROCUREMENT CIRCLE )  
OLD POWER HOUSE PREMISES, BANI PARK, JAIPUR -06**

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**TENDER DOCUMENTS FOR PURCHASE OF ACSR RABBIT CONDUCTOR  
AGAINST SPECIFICATION NO.JPD/SE/PROC./SPO.I/TN-4351**

S.No.	Name of Item	Quantity (Approx)
1	ACSR "RABBIT" Conductor	7363 Kms.

LAST DATE AND TIME FOR : 20.6.2011 UPTO 2.30 P.M.  
RECEIPT OF BID

DATE AND TIME OF : 20.6.2011 AT 3.00 P.M.  
OPENING OF BID

EARNEST MONEY TO BE : RS. 5,00,000/-  
DEPOSITED

COST OF THE : RS.2,500.00(non refundable)  
SPECIFICATION

VALIDITY : 120 DAYS FROM THE NEXT DATE  
OF OPENING OF TECHNO-  
COMMERCIAL BID.

**NOTE :** The bidders, in their own interest are requested to read very carefully Section-I (Instruction to Bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from JVVNL website [www.jaipurdiscom.in](http://www.jaipurdiscom.in) . No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in the bidding documents downloaded from the website and appended with the bid (as a bid document) and the original copy of such document available in the office of Superintending Engineer(Proc), Jaipur discom, Jaipur then the copy available with Superintending Engineer(Proc), Jaipur discom, Jaipur will be considered as final document for all purposes. The cost of Bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

## SECTION-III

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### TECHNICAL SPECIFICATION FOR ACSR RABBIT CONDUCTOR AGAINST TN-4351

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#### 1. SCOPE

1.1 This section provides for manufacture, testing before **dispatch, supply and delivery in Rajasthan in the stores of JVVNL** F.O.R Destination of Aluminum Conductor, Galvanized Steel reinforced (ACSR Rabbit Conductor ) for satisfactory operation in various lines and sub-stations. The conductor should conform to latest IS. The requirement 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 reinforcement 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 posses 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:

i) Peak ambient temperature in shade.	50 deg.C
ii) Maximum average ambient temperature in a 24 hours period in shade.	40 deg.C
iii) Min. ambient air temperature in shade	(-) 5 deg.C
iv) Maximum temperature attainable by an object exposed to sun.	60 deg.C
v) Maximum relative humidity.	100%
vi) Average number of thunder storm days per annum.	40
vii) Average number of rainy days per annum.	100

viii) Average annual rainfall	10 to 100 cm
ix) Number of months of tropical Monsoon conditions.	4 months
x) Maximum wind pressure.	100 kg/ sq. mm.
xi) Altitude not exceeding	1000 M

### **3. GENERAL TECHNICAL REQUIREMENT OF ACSR “RABBIT” 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 “Rabbit” 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 Rabbit conductor are tabulated below:-

<b>PARTICULAR</b>	<b>ACSR RABBIT</b>
a) Stranding and wire diameter (mm)	6/3.35 Al. 1/3.35 St.
b) Number of strands Central Steel wire Aluminium	1 6
c) Sectional area of aluminium(Sq. mm)	52.88
d) Total Sectional area (Sq. mm)	61.70
e) Overall diameter (mm) (Approx.)	10.05
f) Weight (Kg/Km) (Approx.)	214.00
g) Calculated max. DC resistance at 20 Deg. C (Ohm./ Km.)	0.5524
h) Approx. calculated breaking load (KN)	18.25
i) Modulus of elasticity (GN/Sq. meter)	79
j) Coefficient of liner Expansion per deg C.	$19.1 \times 10^{-6}$

3.3 The details of aluminum strands are as follows:

<b>PARTICULAR</b>	<b>ACSR Rabbit</b>
a) Min. Breaking load of strand before stranding (KN)	1.43
b) Min. Breaking load of strand after stranding (KN)	1.36
c) Max. D.C. Resistance of strand at 20 Deg. C (ohm/Km.)	3.265
d) Diameter mm Nominal Minimum Maximum	3.35 3.32 3.38
e) Mass (Kg/Km.)	23.82

3.4 The details of steel strands are as follows:

PARATICULAR	ACSR Rabbit
i) Min. Breaking load of strand before stranding (KN)	11.58
ii) Min. Breaking load of strand after stranding (KN)	11.00
iii) Diameter mm	
a) Nominal	3.35
b) Max./Min	3.42/3.28
iv) Zinc coating testing	3 dips of 1 min. each
v) Min. weight of zinc coating GM/ Sq. Mtr.	237.5
vi) Mass of strand at normal diameter of strand(Kg./Km.)	68.75

### 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.

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

S. No.	Particulars	ACSR RABBIT
1	Number of wires : a) Aluminum b) Steel	6 1
2	Ratio of aluminum Wire diameter to Steel wire dia-meter	1
3	Lay ratio for aluminum Wires (Outer most layer): a) Minimum b) Maximum	10 14
4.	Lay ratio for steel core (6 wire layer) a)Minimum a) Maximum	-- --

**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.

#### 4. TESTS :

**TESTS BEFORE DESPATCH:** The ACSR “Rabbit” 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.

##### 4.1 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

##### 4.2 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)

## 5.0 TYPE TESTS :-

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

## 6.0 SAMPLING PLAN :

6.1. Samples for Acceptance Tests: Samples shall be taken as per relevant IS i.e. IS-398 (Part-2)/1996 with latest version as the case may be.

6.2 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.**

### 6.3 TOLERANCE ON TEST RESULTS:

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

## 7.0 INSPECTION

7.1 (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 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.

(f) The purchaser has every right for rewinding of conductor drums at stores / site in part or full after receipt of material. If at any time, shortage in lengths than the declared /marked length(s) is observed in any of the drum of the particular lot, the maximum length of shortage so observed in rewind drum shall be deducted from all the drums inspected / dispatch lot. If any inspected lot is consigned to more than one consignee the maximum shortage so observed during rewinding, in respect of any consignee will be deducted from the complete inspected / dispatched lot. However, the purchaser shall intimate in advance to the supplier program me of rewinding to depute their representative to witness rewinding, if supplier desires so. If the supplier does not depute their authorized representative, the rewinding shall be done by store organization in presence of representative of purchaser nominated by the circle Superintending Engineer, Discoms. At the time of receipt of material in store/rewinding in store, if any defect /shortage is found the purchaser shall have every right to deduct the cost of defective / short material or reject the entire lot.

7.2 In case of testing after re-offering as per Clause No.15 of IS:398 (Part.2)/1996 , the lot under reference will be subject to 100% checking, if required by the purchaser.

7.3 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).**

7.4 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.

## 8.0 STANDARD LENGTH & VARIATION IN LENGTHS:

8.1 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.

**ACSR Rabbit - 1500 Mtrs.**

8.2 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.

8.3 **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 RABBIT - 4.4 Kms.**

## 9.0 QUANTITY TOLERANCE:

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

## 10.0 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**

## 11.0 PACKING FORWARDING AND MARKING:

11.1 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 RABBIT 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 legging 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.**

11.2 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.

11.3 **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.
- m) 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.

## 12. PRICES :

- a) The bidder shall quote the Prices in **Schedule-IV** 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.15** without any ceiling with **Base Date** as 1.5.2011 The Price Variation shall be governed by Clause No. 1.10 of Section-I (Instruction to Bidder).

## 13. 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 in case of ACSR Conductor prevailing on 1.5.2011, as per CACMAI Circular. The average price of the EC grade Aluminum wire rod, and price of High Tensile Galvanized steel wire shall be furnished along with the bid.

**No base price other than the prices prevailing on 1.5.2011 as per CACMAI Circular will be acceptable in any case.**

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

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

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

The Price Variation amount shall be determined as under:

For every one Rupee, increase / decrease per Kg. in the above price of EC grade Aluminum wire Rod, the price per Km. for ACSR Rabbit Conductor shall be increase / decrease by @ Rs.145.00.

For every one rupee, increase / decrease per Kg. in the above price of high tensile galvanized steel wire the price per Km. of ACSR Rabbit Conductor shall be increase / decrease by Rs.69.00.

The above price variation bears no ceiling limit.

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

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

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

However, if any amount of Excise duty / Sales tax / VAT is claimed from the JVVNL 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.

#### **14.0 MODVAT**

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

#### **15.0 OCTROI DUTY**

Presently, Octroi duty is not applicable in entire Rajasthan State and JVVNL 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) JVVNL, Jaipur on production of original cash receipt provided the GTR is prepared in favor of Jaipur Vidyut Vitaran Nigam Limited and not on "SELVES" basis.

#### **16.0 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.18.

#### **17.0 DELIVERY:**

The bidder is required to quote monthly delivery in Schedule-VIII. The delivery of quoted quantity of conductor shall 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.** 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.**

## 18.0 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.**

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 / SE (I&S) / Other designated officer for testing at CTL.

### 18.1 SAMPLING

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

**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.

### 18.2 TESTS

18.2.1. 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:

- a) Rewinding test (Measurement of Length and weight) & Checking of Manufacturing defects.
- b) Measurement of lay ratio during rewinding of Conductor Drum.
- 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: 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.**

### 18.3 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.

The net calculated weight of ACSR Rabbit conductor corresponding to minimum prescribed diameter in IS of Aluminum Strand & Steel Strand shall be as under:

<b>ACSR RABBIT</b>	<b>208.52 Kg./Km.</b>
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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).

### 19.0 TEST CHARGES:

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

### 20.0 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.

## **21.0 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-4351SCHEDULE - 1**SCHEDULE OF REQUIREMENT**

<b>S.No.</b>	<b>Name of Item</b>	<b>Quantity</b>
1.	ACSR "Rabbit" Conductor size Aluminum 6/3.35 mm & Steel 1/3.35 mm having sectional Aluminum Area of 52.88 Sq. mm.	<b>7363 Kms.</b>

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

**Schedule – III**  
**TN-4351**



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

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

Name & Designation  
with seal of the bidder.

**SCHEDULE-III A****PRE-QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF ACSR RABBIT CONDUCTOR CONFORMING TO IS:398(Part-2/1996 WITH LATEST AMENDMENT AS PER SPECIFICATION NO.JPD / SE / PROC / SPO-I / TN-4351**

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

**1) STATUS OF BIDDER:**

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

**2) PAST SUPPLY AND PERFORMANCE CRITERIA :**

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

**2.01) PAST SUPPLY :**

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

**2.01.2) The bidder should have designed manufactured / fabricated, tested and supplied to utility / Discoms / Govt. Departments at least 2xQQ (QQ being the quoted quantity in Kms.) of similar item / higher rating of tendered material / equipment in last three financial years from the date of opening of technical – commercial bid. Material supplied under Turnkey Projects shall be considered for qualifying requirement if bidder either furnishes a certificate of the Discoms / Utility that same material / equipment has been supplied to them or furnishes proof of supply i.e. receipted challans of the material / equipment supplied to Discoms / Utility.**

**NOTE:- Requirement of quantity manufactured, minimum quantity to be offered and amount of bank guarantee to be furnished in absence of test certificate shall be reduced to 25% for Rajasthan based units.**

**2.01.3) In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the prescribed Performa (Schedule-VIIA) only. This prescribed Performa should be either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the prescribed format C.A. Certificate. The certificate should have Membership Number with the name and address of the Chartered Accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage class / accuracy class of material etc. in the format prescribed. Any deviation to the format or information diverted format will not be considered and rejected.**

**2.02. PERFORMANCE CRITERIA:**

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

**3.0) TYPE TEST CRITERIA :**

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

#### 4.01 POOR RECORD OF PERFORMANCE AND DELIVERY :

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

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

#### 5.01 Black Listing:

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

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

NOTE : 1.If a supplier after having tendered for a work / supply or after negotiations acceptance of order gives applications voluntarily vitiating the fair bidding process, it shall also tantamount to malpractice.

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

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

corresponding recovery will not be effective in other Discom after expiry of notified period but the bid of such bidder will not be opened in that particular discom if the firm has not deposited amount recoverable.

#### **APPEALS AND APPLICATIONS :**

Appeal against the order of black listing, debarment and severment can be filed before BOD. The BOD may reduced or waive the penalty if sufficient reasons / supporting documents are furnished by a supplier.

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

- I) The bidder shall clearly indicate the deviations such as `Technical Deviation & Commercial Deviations' in the prescribed Performa only. The deviations indicated elsewhere in the bid shall not be accepted.**
- II) The bidder must clearly fill up each and every particular of guaranteed technical particulars annexed with Technical Specifications otherwise he will be responsible for Technical Non-responsiveness.**
- III) All documents required in the prescribed format are to be furnished along with the bid itself only except an attested copy of BIS license (wherever it is required), failing which the bid will be summarily rejected.**
- IV) However, a copy of 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 A****ITEM - ACSR RABBIT CONDUCTOR.  
TN-4351****Must be filled in by the bidder and attached with Technical Bid**

To,  
The Superintending Engineer (Proc),  
Jaipur Vidyut Vitran Nigam Limited,  
Jaipur.

Dear Sir,

With reference to your invitation to bid against specification No.JPD/SE/Proc/SPO.I/ TN-4351 we agree to supply the following quantity:

<b>S. No.</b>	<b>Particulars of Items</b>	<b>Bid Quantity (KMS.)</b>	<b>Qty. Offered (KMS.)</b>	<b>Justification of quantity offered as per Qualifying Requirement</b>
<b>1.</b>	<b>2.</b>	<b>3.</b>	<b>4.</b>	<b>5.</b>
1.	<b>ACSR Rabbit Conductor</b>			

1. The offer is valid for a period of 120 days from the next date of opening of Techno-Commercial Bid.
2. The prices are variable with base date 1.5.2011.
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.JPD/SE/Proc/ SPO.I/TN- 4351 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.JPD/SE/Proc/SPO.I/TN-4351 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-4351**



**JAIPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

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

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

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

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

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


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S.NO.	PARTICULARS	ACSR Rabbit CONDUCTOR
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1. Manufacturer's name
  - Office address
  - Work's address
  - Telephonic address
  - Telephone
  - Fax
  - Telex
  - Name of Contact Person
2. Code Name
3. Standard according to which the conductor will be manufactured and tested.
4. Whether conductor offered bears BIS standard mark. If yes, furnish copy of registration certificate of Bureau of Indian Standards.
5. Aluminum wires used in the construction of aluminum conductors galvanized reinforced (ACSR) as per tables of IS;398(Part.2)/1996
  - a) Diameter in mm :
    - i) Nominal
    - ii) Minimum
    - iii) Maximum
  - b) Cross sectional area of nominal Diameter wire (Sq. mm.)
  - c) Mass (Kg./Km.)
  - d) Resistance at 20 Deg. C. Maximum (Ohms./Km.)
  - e) Breaking load (Min.)
    - i) Before Stranding (KN)
    - ii) After Stranding (KN)

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S.NO.	PARTICULARS	ACSR Rabbit CONDUCTOR
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6. Steel wire used in construction of aluminum conductors, galvanized steel reinforced (ACSR) as per tables of IS:398(Pt.2)/1996
- a) Diameter :
- i) Nominal (mm)
  - ii) Minimum (mm)
  - iii) Maximum (mm)
- b) Cross sectional area of nominal diameter wire (Sq.mm.)
- c) Mass (Kg./Km.)
- d) Breaking load (Min.)
- i) Before Stranding (KN)
  - ii) After Stranding (KN)
7. Aluminum conductor galvanized steel reinforced as per tables of IS:398 (Part.2)/1996 :
- a) Nominal Al. area (Sq.mm.)
  - b) Stranding and wire dia.
    - i) Aluminum (mm)
    - ii) Steel (mm)
  - c) Sectional area of Al. sq.mm.
  - d) Total sectional area sq.mm.
  - e) Approx. overall diameter mm.
  - f) Approx. Mass (Kg./Km.).
  - g) Calculated resistance at 20 Deg. C. (Max.)(Ohms./Km.)
  - h) Approximate calculated breaking load (KN)
8. a) Zinc coating of steel wire IS:4826/1979 with latest amendments.
- i) No. of one minute dip.
  - ii) No. of half minute dip.
- b) Minimum weight of Zinc Coating Gm./Sq. mtr.
9. Standard length in Meter
10. No. of the short lengths as per Clause No.8 of specification of Schedule-III
11. Total length in one drum

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 Drums for ACSR "Rabbit" Conductor :
  - i) Flange Dia
  - ii) Flange Thickness
  - iii) Barrel Dia
  - iv) Traverse
  - v) Number of Bolts
  - vi) Dia of Bolts
  - vii) Bore Dia
  - viii) Distance between outer layer of conductor and inner surface of the external protective lagging of the drum
16. Other particulars if any.

SIGNATURE

RUBBER SEAL & Date

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

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

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

**(Signature)**

Name & Designation  
with seal of the bidder.

**Schedule – VI (B)****JAIPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE  
SPECIFICATION**

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

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

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

**Schedule – VII**  
**TN-4351**



**JAIPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**  
**LIST OF PAST SUPPLIES**

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

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

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

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

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

**SCHEDULE-VIIA****TN-4351****TO WHOMSOEVER IT MAY CONCERN**

This is to certify that M/s. \_\_\_\_\_ (Complete with address) have manufactured and supplied the goods / equipments / material during the following financial year(s) to the Electrical Utilities / Government Departments / Discoms/ SEBs as detailed out below:

S.No	Financial year in which material supplied	Detailed Particulars of item(s) supplied	Name and particulars of purchasing authority	Order No. & date against which item(s) supplied	Unit	Ordered		Actual Supplied 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 (\_\_\_\_\_)

TN-4351

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

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

<b>S. No</b>	<b>Particular Of Material</b>	<b>Commencement Period</b>	<b>Rate of Supply per Month</b>	<b>Period for Completion of delivery of Entire material</b>
1.	ACSR Rabbit Conductor as per Specification against TN-4351	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:-

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

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

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

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

TN-4351

**Schedule – IX****JAIPUR 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 &amp; 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**

**JAIPUR VIDYUT VITARAN NIGAM LIMITED  
( PROCUREMENT CIRCLE )  
OLD POWER HOUSE PREMISES, BANI PARK, JAIPUR -06**

TELEPHONE: 2208098

TELE FAX: 0141-2208098

**TENDER DOCUMENTS FOR PURCHASE OF ACSR RABBIT CONDUCTOR  
AGAINST SPECIFICATION NO.JPD/SE/PROC./SPO.I/TN-4351**

<b>S.No.</b>	<b>Name of Item</b>	<b>Quantity (Approx)</b>
<b>1</b>	<b>ACSR Rabbit Conductor</b>	<b>7363 Kms.</b>

LAST DATE AND TIME FOR : 20.6.2011 UPTO 2.30 P.M.  
RECEIPT OF BID

DATE AND TIME OF : 20.6.2011 AT 3.00 P.M.  
OPENING OF BID

EARNEST MONEY TO BE : RS.5,00,000/-  
DEPOSITED

COST OF THE : RS.2,500.00(non refundable)  
SPECIFICATION

VALIDITY : 120 DAYS FROM THE NEXT DATE  
OF OPENING OF TECHNO-  
COMMERCIAL BID.

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 JVVNL 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 "A.O(MM), JVVNL, JAIPUR". EMD if required shall be furnished in accordance with Clause No. 1.03.1 of Section-I (Instruction to Bidders)**

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 price quoted should be variable without any ceiling as per price

variation formula annexed in **Section-III**. The **Base date** for price variation shall be **01.05.2011**.

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 envelope containing proof of deposition of cost of Bid & EMD.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope-I & Cost of tender documents and Earnest Money / Valid Registration Certificate under relevant class / A certificate of being a Rajasthan / Central Govt. undertaking' should be clearly written on the front side of the envelope.
- ii) **Second envelope for techno-commercial bid.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope – II & Techno-Commercial Bid' should be clearly written on the front side of the envelope.
- iii) **Third envelope for price bid.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope – III & Price Bid' should be clearly written on the front side of the envelope. This Price Bid shall includes submission of details of prices as per Schedule-IV of the Specification.  
Note : Envelope III containing price bid will be kept in the safe custody of the concerned engineer / officer. 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) **Fourth envelope containing above three envelopes.** Name of item, bid no., time of bid submission and due date for opening of bid should be clearly written on the front side of the envelope. (All the above envelopes shall be duly sealed individually).
- v) **The bidder shall ensure that bid is furnished / submitted strictly in the manner detailed in the Specification.**

(PLEASE NOTE THAT BID RECEIVED AFTER SPECIFIED TIME ON DUE DATE OF OPENING WILL NOT BE ACCEPTED AND SUCH OFFERS SHALL BE IGNORED)

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.

iv) Quality assurance plan.

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

6. Bids without Section-I, II, III & Schedules (I,III to IX) and not complying requirement of Schedule-X shall be rejected.

7. Bids shall be furnished in single copy.

8. JVVNL 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.

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

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

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

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.

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