

**GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF**

	<p><b><u>AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER</u></b>          (Material Management Wing)          Corporate identification Number (CIN) – U40109RJ2000SGC016482          Regd. Off. Vidyut Bhawan, Panchsheel Nagar, Makarwali Road, Ajmer-305004  <u>Telephone No. : 0145- 2644529, Fax No.0145-2644542</u>  <u>E-mail-<a href="mailto:semmajmer@gmail.com">semmajmer@gmail.com</a> Website- <a href="http://www.avvnl.com">www.avvnl.com</a></u></p>
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**SPECIFICATION NO. AVVNL/SE(MM)/E2A3/TN-1086 FOR SUPPLY OF LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF VARIOUS RATINGS (6KVAR & 9KVAR) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER & 3 KVAR FOR INSTALLATION NEAR TO STARTER OF AGRICULTURE CONNECTION AGAINST TN-1086.**

LAST DATE & TIME FOR DOWN LOADING OF TENDER DOCUMENTS	:	26.12.2016 (Upto 2.00 PM)
LAST DATE & TIME FOR ONLINE (E-TENDERING) TENDER/OFFER	:	03.01.2017 (Upto 5.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	:	04.01.2017 AT 2.00 PM
RISL PROCESSING FEE (NON REFUNDABLE)	:	Rs. 1000/-
COST OF SPECIFICATION (NON REFUNDABLE)	:	Rs 2500/-
VALIDITY	:	120 days from the next date of opening of Techno-Commercial Bid
EARNEST MONEY	:	Rs. 5,00,000.00 (Rs. Five Lac only) or Exemption Certificate or Vender Registration of Class “A” category or above
TENDERING QUANTITY	:	
i) 3 KVAR		2,00,000 Nos.
ii) 6 KVAR		35,000 Nos.
iii) 9 KVAR		5,000 Nos.
CONTACT PERSON (AUTHORISED BID SIGNATORY)	1	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:		Panchsheel, Makarwali Road, Ajmer
MOBILE NO.		9414004258
TELEPHONE & FAX Nos.:		0145-2644529/ 0145-2644542
WEBSITE & E-MAIL:		1. Web: <a href="http://www.avvnl.com">www.avvnl.com</a> Email: 2. Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risi@rajasthan.gov.in">info.risi@rajasthan.gov.in</a>
Address of RISL:-		RajCOMP Info Cervices Limited (RISL) 1 <sup>st</sup> Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risi@rajasthan.gov.in">info.risi@rajasthan.gov.in</a>

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Note:- The bidder, in their own interest, are requested to read very carefully Section-I (Instruction to bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from AVVNL website [www.avvnl.com](http://www.avvnl.com) or [www.http://eproc.rajasthan.gov.in](http://www.http://eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](http://www.http://eproc.rajasthan.gov.in) No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with EMD one day prior to opening of bid i.e. and scan copy the be upload on website of RISL downloaded bid document in the manner prescribed in bid document.

### SECTION-III

#### TECHNICAL SPECIFICATION FOR LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF VARIOUS RATINGS (6KVAR & 9KVAR) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER & 3 KVAR FOR INSTALLATION NEAR TO STARTER OF AGRICULTURE CONNECTION AGAINST TN-1086.

##### 3.1 SCOPE:

This specification covers design, manufacturing, testing, insurance, transportation and supply of 440 V Three Phase, Delta connected 50 Hz., outdoor, self healing, Metalised Poly-Propylene (MPP) design type cylindrical LT fixed shunt capacitor unit intended for power factor improvement and to be installation near to starter of motor of agriculture consumers. The capacitance meter of standard make (for measurement of capacitance at site) equal to 0.1% (1 No. for each 1000 Nos.) of the ordered quantity shall be supplied free of cost.

##### 3.2 STANDARDS:

Unless otherwise stipulated in the specification the capacitor units shall generally comply with IS:13340/1993 (Reaffirmed 1998) for self healing type, S:12672/1989 for "Internal fuses and internal overpressure disconnectors for shunt capacitors" and IS:13341/1992 for "Requirements for ageing test, self-healing test and destruction test on shunt capacitors of the self-healing type for AC power systems having a rated voltage upto and including 650 V" (With latest version/amendments).

**The capacitor units shall be ISI marked.**

The capacitor element used shall be self healing metallised polypropylene (MPP) type. The cell shall be topped up with Non-PCB, non- hazardous, flexible polyurethane resin. The capacitor unit shall be hermetically sealed.

This specification supercedes requirements in IS wherever applicable.

LT shunt capacitor meeting any other authoritative standard which ensure equal or better quality than standard mentioned above will also be acceptable but in such cases, a copy of standard (English version) adopted, should be enclosed with the tender.

##### 3.3 CLIMATIC CONDITIONS:

The equipment to be supplied against this specification shall be installed in a chamber attached with distribution transformer and **3 KVAR rating for installation near to starter of motor of agriculture consumers** and therefore shall be suitable for satisfactory continuous operation at site under the following tropical climatic conditions:

(i)	Max. temperature of air in shade	:	55 deg. C.
(ii)	Min. temperature of air in shade	:	(-5) deg. C.
(iii)	Max. relative humidity	:	95%
(iv)	Min. relative humidity	:	10%
(v)	Height above mean sea level	:	Upto 1000 Mt.
(vi)	Average No. of thunder storm days per annum	:	40 days
(vii)	Dust storms likely to occur	:	March to July
(viii)	Average rainfall	:	10-100 Cm
(ix)	No. of months during which tropical monsoon condition prevail	:	3 months July, Aug. & Sept.

### 3.4 SYSTEM DETAILS/ PARTICULARS:

The distribution transformers are connected to the 11 KV network on its HT side while the LT side is connected to the 440 Volts for Three Phase and 230 Volts Single Phase LT network.

Particulars	Three Phase	Single Phase
Nominal Voltage	440 V $\pm$ 10% Volts	250 V $\pm$ 10% Volts
Rated Frequency	50 $\pm$ 3 % Hz	50 $\pm$ 3 % Hz
No. of phases	3	1

### 3.5 RATING:

The rated output of capacitor units in KVAR at frequency of 50 Hz for upper limits of temperature category of 55 Deg.C. shall be as per relevant Annexure-A of the IS.

### 3.6 RATED VOLTAGE:

The rated voltage of the capacitor unit shall be 440 Volt for Three Phase Capacitors. The fluctuation in supply voltage as specified in IS: 585/1962 and IS: 12360/1985 (with latest amendments) shall not affect the normal working of the equipment.

### 3.7 GENERAL TECHNICAL REQUIREMENT:

The capacitor elements used in unit shall have multilayer metallised polypropylene film (MPP) having low losses dielectric and impregnated with a impregnant which has been completely refined and degasified so as not to have any deterioration of the dielectric material. The impregnant used shall have high dielectric constant, low viscosity and high chemical stability. The impregnant should be NPCB (Non-polychlorinated biphenyl) and should be non oxidizing and specially suitable for capacitor. Alternatively, capacitor - elements used in the units shall be MPP thoroughly dried (without NPCB), casted in high quality epoxy resin of very high dielectric constant. The PP film should be a product manufactured by a company of international repute. Active binding element shall be properly heated and then vacuumed dried prior to encapsulation in soft resin. The contact area must be carefully prepared so as to achieve high inrush current withstand and long life. The capacitor unit shall have over pressure disconnecter protection. The over voltage limiter shall reduce the residual voltage to less than 50 volts within one minute as required by IS:13340/1993 with latest ammendment.

### 3.8 CONSTRUCTION:

The capacitors should be a compact single unit having following cylindrical unit housed in cylindrical Aluminium container. The height and diameter of the capacitors unit should not be exceed as parameter are specified in Table given below. At the base of capacitor unit suitable arrangement for earthing preferably in the form of M-12 size stud bolt having 16 mm (40 mm for 3 KVAR) outer (projected) length with toothed washer and hexagonal Nut and 2 No. spring washers shall be provided in such a way that it should also serve a facility for clamping the capacitor unit in the container. A 500 mm length three single core copper strand wire, flexible cable (ISI mark) of size as indicated in the table given below for various rating capacitors against each shall also be provided with lugs. The one end of cable/wire shall be connected with each outgoing terminals of the capacitor unit by soldering and other end having suitable for providing bottled connection in MCCB and for 3 KVAR a 500 mm length 4 sq. mm having three single core copper strand wire, flexible cable (ISI mark) should also be provided with lugs whose one end shall be connected with three outgoing terminals of the capacitor unit by soldring and other end having suitable lugs for providing connection at **the starter of Ag Consumers**.

Sr. No.	Capacity in KVAR	Height of capacitor unit with top cap in mm (Max.)	Diameter should not be exceed as specified in mm (Max.)	No. & Size of single core copper strand flexible wire.
<b>For Three Phase Capacitors</b>				
1.	3 KVAR	226 mm $\pm$ 5mm	80 mm	3x4 sq. mm
2.	6 KVAR	250 mm $\pm$ 5mm	82 mm	3x4 sq. mm
3.	9 KVAR	250 mm $\pm$ 5mm	82 mm	3x4 sq. mm

The outgoing terminals of the capacitor unit should be covered by a cap. A fixing clamp with two nut and bolts spring washer shall be provided duly fitted with capacitor unit two mount the capacitor on bakelite sheet.

### 3.9 PERMISSIBLE OVER LOADS:

For capacitors specified in this specification, the max. permissible over loads shall not exceed anyone of the limits given in (i) and (ii) below as confirming to IS:13340/1993 (Re-affirmed 1998).

- i) **VOLTAGE:** The permissible over loads shall not exceed the limits set by IS:13340 for self healing type capacitors.
- ii) **CURRENT:** Capacitor units shall be suitable for continuous operation at R.M.S. line current of 1.30 times the current that occurs at rated sinusoidal voltage and rated frequency, excluding transients (as per IS:13340 for self healing type capacitors).

### 3.10 CAPACITOR LOSS:

The total capacitor loss including discharge resistor (without lead wires) should not be more than 0.5 Watt/KVAR (for 6 & 9 KVAR) and 0.6 Watt/KVAR (for 3 KVAR) for self healing type capacitors using metalized polypropylene. The bidder must state the loss of the capacitor(s) offered.

### 3.11 RATING PLATE:

A rating plate shall be provided on each unit with complete information marked indelibly in accordance with Clause 10 "Marking" of IS:13340 (With latest amendments).

### 3.12 SAFETY REQUIREMENT:

- i) Capacitor unit shall be provided with directly connected discharge device metal oxide varistors (MOV) or resistors of suitable energy handling capacity and as per IS:13340/1993 (With latest amendment) for self healing type capacitors. It should be ensured that there must be no switch, fuse or any other isolating device between the capacitor unit and the discharge device.
- ii) The discharge device shall reduce the residual voltage from the crest value of the rated voltage to 50V or less within one minute after the capacitor is disconnected from the source of supply.
- iii) Capacitor shall comply with the relevant general safety regulations for power installation as per Indian Electricity Rules 1956.
- iv) The capacitor should have Pressure Sensitive disconnecter so that in case of capacitor failure, it is visible from the ground. The pressure sensitive disconnecter should

be lifted upto a height of 12 mm so that it may give clear indication of fault occurrence. The colour marking should also be provided for this purpose.

### **3.13 MARKING:**

The words "PROPERTY OF AVVNL" shall be marked conspicuously on capacitor unit with indeable marking alongwith details of TN No., P.O. No. & Date, rating, Sr. No. etc. The firm will dispatch the material in continuous ascending Sr. No.

### **3.14 TESTS:**

#### **3.14.1 ROUTINE TESTS:**

All individual capacitor units shall be subjected to the routine tests at the manufacturer's works (at the cost of the manufacturer) for the tests specified in Clause 12.1.1 of IS:13340/1993. A certificate detailing the results of such tests shall be furnished by the supplier alongwith inspection call to the purchaser.

#### **3.14.2 TYPE TESTS:**

All the tests indicated at Clause 12.2.2 of IS:13340/1993 with latest amendments, if any, shall constitute the type tests. All the type tests shall be carried out at the laboratories accredited by National Accreditation Board of Testing and Calibration Laboratories (NABL) in accordance with the IS:13340/1993.

Further the following special tests shall also be covered under type tests:

- i) Ageing test.
- ii) Self-healing test.
- iii) Destruction test.

**3.14.3** The tenderer shall furnish copies of type test reports as per relevant IS for the equipments/ material offered alongwith the tender. The tenderer should note that the offers received without type test reports shall stand rejected.

The equipment offered shall be fully type tested as per the relevant standards for all the type tests specified in the IS at the testing laboratories accredited by National Accreditation Board of Testing and Calibration Laboratories (NABL). The tenderer shall also furnish a copy of accreditation certificate issued by NABL to the testing laboratory.

Price bids of the firms may be opened who have furnished the valid type test reports which has been conducted at NABL accredited lab / Govt. approved laboratory of offered type & design i.e. for 3,6 & 9 KVAR rating as per clause No. 12.2.2 of IS:13340/1993 with latest amendments, if any and not older than five years from the date of opening of technical Bid.

**OR**

Price bids of the firms may be opened if the bidder furnishes an undertaking stating that valid type test certificate of offered type and design as per clause No. 12.2.2 of IS:13340/1993 with latest amendments, if any from a Govt./ Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished before commencement of supply or from first lot (without asking any delivery extension) along with the type test bank guarantee of Rs.5.0 lacs with the technical bid.

In respect of the successful tenderers, the purchaser reserves the right to demand repetition of some or all the type tests in the presence of the purchaser's representative. In case the capacitor unit fails in the type test complete supply shall be rejected.

#### **3.14.4 ACCEPTANCE TESTS:**

The inspecting officer will carry out the Acceptance Tests specified as under as per IS:13340/1993 (latest amendments) for self healing type capacitors.

- i) Visual Examination
- ii) Sealing Test
- iii) Measurement for capacitance and output
- iv) Insulation Resistance Test between terminals & capacitor container.
- v) Capacitor loss tangent (tan delta) measurement at elevated temperature.
- vi) A.C. Voltage Test between terminals
- vii) A.C. Voltage test between terminals & container (for capacitor units & capacitor bank).
- viii) Test for efficiency of discharge device
- ix) Any other test as per relevant IS.

#### **3.14.5 SELECTION OF SAMPLES FOR TYPE TESTS FROM FIRST LOT RECEIVED AT STORES:**

Minimum two numbers sample of each rating duly witnessed by the supplier shall be selected, from the first lot received at stores, to carry out the type test on capacitor unit. These selected samples shall be sent to any NABL accredited testing house / Government approved laboratory for conducting type test as per clause No. 12.2.2 of IS:13340/1993 with latest amendments if any. The type test charges shall be borne by the supplier. The purchaser however in first instance may pay testing charges to the testing agency, which shall be recovered by the Sr. Accounts Officer (CPC), AVVNL, Ajmer from bill of supplier. The supplies, at the option of the purchaser, may be utilized in the field in anticipation of successful type test results. The payment to supplier shall be released only after receipt of successful type test reports.

In case of failure of one of the samples in type test(s), four more samples shall be selected from stores against the supplies already received to get them type tested again as per clause No. 12.2.2 of IS:13340/1993 with latest amendments if any.

In case of failure of any of the samples of second lot in type test(s), the order of balance quantity including supplied quantity shall be cancelled. The guarantee period of quantity supplied and used shall be doubled and payment for used material shall be arranged after deducting 10% cost.

#### **3.14.6 TEST AT SITE:**

The purchaser reserves the right to conduct all or any of the tests on LT shunt capacitors after arrival at stores/ site and the contractor shall guarantee test certificate figures under actual service conditions.

The supplier should furnish detailed write up for the procedure to be adopted for error testing of the meters in the laboratory and at site/field.

**3.15 INSPECTION:**

**3.15.1** All the tests (as mentioned at Clause 3.14.4) shall be made at the place of manufacturer unless otherwise specially agreed upon by the bidder and purchaser at the time of purchase. The bidder shall afford the inspecting officer(s) representing the purchaser all reasonable facilities without charges, to satisfy him that the material is being furnished in accordance with this specification. The purchaser has the right to have the tests carried out at his own cost by an independent agency whenever there is a dispute regarding the quality of supply. The Inspection may be carried out by the purchaser at any stage of manufacture/before despatch as per relevant standard. The sampling shall be made as per Sampling Plan Annexure 'F' clause No. 12.3 of IS: 13340:1993.

**3.15.2** Inspection and acceptance of any material under the specification by the purchaser, shall not relieve the bidder of his obligation of furnishing material in accordance with the specification and shall not prevent subsequent rejection if the material is found to be defective. The Bidder shall keep the purchaser informed in advance, about manufacturing programme so that arrangements can be made for inspection. The purchaser reserves the right to insist for witnessing the acceptance/routine testing of the bought out items.

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

**3.16 TEST CHECKING OF MATERIAL RECEIVED IN STORE:**

a) Test checking of material received in store shall be carried out. On receipt of material in stores one sample shall be taken from sub-lot/ lot of every 4000 capacitors units or part thereof. The samples shall be selected by the purchaser in presence of representative of firm if desired by them. The following tests shall be carried out:

- i) **KVAR Capacity.**
- ii) **Capacitor loss in watt per KVAR.**

b) For witnessing of the testing, 7 days notice shall be given by the purchaser to the supplier stating clearly the date, time and place where the tests are to be conducted. The authorized representative of the supplier and the officer nominated by the purchaser for witnessing the test shall be present at the time of testing.

c) The results of the test checking shall be applicable to sub-lot/ lot of the capacitor units of which the samples have been selected at any store of the Nigam. If the measured KVAR & capacitor loss in watt per KVAR of the samples does not confirm to guaranteed values as per contract considering tolerance as per ISS, the material shall be rejected and the rejected material shall have to be replaced by the supplier and **in case of rejection, the testing charges will be recovered.**

d) The testing of the samples shall be conducted at the test facilities of the Nigam. In case facilities are not available in the Nigam, the tests shall be got conducted at any government test house/ NABL approved test house. All the tests charges incurred towards test checking of the material in our stores shall be borne by the Nigam except that of personal expenses of the representative of the supplier for witnessing the tests.



### 3.17 PACKING & FORWARDING:

- i) The equipments shall be suitably packed in order to avoid damages/ losses or breakage during transit or handling. Each capacitor unit may be suitably packed in the first instance to prevent ingress of dust and moisture and then placed in a cushioned carton of a suitable material to prevent damage due to shocks during transit. The lid of the carton may be suitably sealed. A suitable number of sealed carton may be packed in a case of adequate strength with extra cushioning, if considered necessary. The cases may then be properly sealed against accidental opening in transit. The packing cases may be marked to indicate the fragile nature of the contents.
- ii) The following information shall be furnished with the consignment:
  - Name of the consignee
  - Details of consignment.
  - Destination.
  - Total weight of consignment
  - Sign showing upper/lower side of the cartoon
  - Sign showing fragility of the material
  - Handling and unpacking instructions.
  - Bill of Materials indicating contents of each package and spare materials.
- iii) The supplier shall be responsible for all the damages/ losses due to improper packing. Replacement shall be made free of cost regarding material pointed out defective by the consignees.

### 3.18 DRAWINGS AND CATALOGUES:

Tender must accompany relevant catalogues and sectional drawing showing necessary details of the equipment offered along with bill of material.

One copy of the dimensional drawing and internal constructional drawing shall be submitted with the tender. **These drawings should be in A-3 size paper.**

### 3.19 GUARANTEE:

**The supplied capacitors shall be guaranteed against premature failure for a period of five years from the date of receipt of the material in Nigam's Store.**

In case of premature failure, the capacitors shall be replaced free of cost within a period of sixty days from the date of intimation and guarantee for the new capacitors shall be started from the date of fresh supplies.

After replacement of defective capacitors with new ones, the defective capacitors would be returned to the manufacturers.

### 3.20 GUARANTEED TECHNICAL PARTICULARS:

The guaranteed technical particulars proforma as enclosed at Appendix-V with the specification, shall be furnished duly filled along with the tender.

**3.21 DELIVERY SCHEDULE:**

The bidders are required to indicate the delivery period in the schedule attached herewith. The commencement period shall include the time taken for conducting the type test and approval of drawings etc. **The maximum commencement period should not be more than 45 days from the date of receipt of P.O. Further the monthly delivery quoted shall be such that the entire offered quantity shall be completed within a period of 10 months from date of issue of P.O. including commencement period. The offers deviating in deliveries as per above schedule given, shall be considered as non-responsive. The monthly delivery shall be quoted irrespective of the offered / ordered quantity and offers with any conditional deliveries shall be considered as non-responsive.**

**3.22 PRICE:**

The price shall be quoted on FOR destination basis in the manner detailed in schedule of price (BOQ) indicating details of Ex-works price, excise duty, sales tax and freight and insurance charges and entry tax (for outside Rajasthan firms) for delivery at our stores. **The quoted price shall be FIRM.** The price shall be quoted after considering MODVAT benefit and benefit of VAT available to the supplier. The offers where the price has not been quoted in prescribed manner are liable for rejection.

**3.23. QUANTITY:**

Sr. No.	Item/ Rating	Quantity in Nos.
<b>Three Phase Capacitors</b>		
1.	3 KVAR	<b>2,00,000</b>
2.	6 KVAR	<b>35,000</b>
2.	9 KVAR	<b>5,000</b>

**Schedule – I****SCHEDULE OF REQUIREMENT**

Supply of LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF 9KVAR & 6 KVAR RATING (FIXED) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER AND 3 KVAR RATING FOR INSTALLATION NEAR TO STARTER OF MOTOR OF Agriculture Consumers AGAINST TN-1086.

<b>Sr. No.</b>	<b>ITEM</b>	<b>QUANTITY</b>
1.	LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF VARIOUS RATINGS (FIXED) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER	
	i) 3 KVAR	<b>2,00,000</b>
	i) 6 KVAR	<b>35,000</b>
	ii) 9 KVAR	<b>5,000</b>

NOTE:-The quantities as mentioned in the schedule of requirements are tentative and may increase/decrease as per the requirement of the Nigam.

**Schedule – III**

	<p><b><u>AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER</u></b>          (Material Management Wing)          Corporate identification Number (CIN) – U40109RJ2000SGC016482          Regd. Off. Vidyut Bhawan, Panchsheel Nagar, Makarwali Road, Ajmer-305004          Telephone No. : 0145- 2644529, Fax No.0145-2644542          E-mail-<a href="mailto:semmajmer@gmail.com">semmajmer@gmail.com</a> Website- <a href="http://www.avvnl.com">www.avvnl.com</a></p>
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**A Govt. of Rajasthan Undertaking  
 Prescribed technical specification for supply of**

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

Sr. 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:-

Sr. 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****QUALIFICATION REQUIREMENT**

**LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF 9KVAR & 6 KVAR RATING (FIXED) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER AND 3 KVAR RATING FOR INSTALLATION NEAR TO STARTER OF MOTOR OF Agriculture Consumers AGAINST TN-1086.**

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 albeit participated for the first time in a particular Discom & 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 criterion 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.

**2.0 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% tendered quantity of tendered item, 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 in prescribed format as per Schedule-VII-A from the date of opening of technical-commercial bid. (For quantity verification C.A. Certificate should be furnished in prescribed performa as per Schedule-VII (A) only) 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 evaluation criteria. The certificate given by C.A. shall indicate above separately.

**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 items 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 evaluation 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 upto 50% of ordered quantity in previous tender upto 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 upto 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 bidder shall furnish valid and authenticated type test certificates from a Govt. approved / Govt. recognized / NABL Accredited laboratory / ILAC i.e. International Laboratory Accredited Laboratory (in case of foreign laboratory) of similar rating and design of tendered material/ equipment. Such type test certificates should not be older than 5 years as on the date of bid opening. For this purpose date of conducting type test will be considered.

The type test certificate by in house laboratory of tendering firm even if it is a Govt. approved / Govt. recognized / NABL accredited / ILAC accredited, shall not be accepted, in case of their own tender. This will not apply if tendering firm is Govt. company / public Sector undertaking.

**Note :-** Price bids of the firms be opened who have furnished the valid Type Test Reports which has been conducted at NABL Accredited Lab / Govt. approved Laboratory of offered type & design i.e. for 3,6 & 9 KVAR rating as per Clause No. 12.2.2 of IS:13340/1993 with latest amendments, if any, and not older than five years from the date of opening of Technical Bid.

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

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

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

In the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from a Govt. / Govt. approved / Govt. recognized / NABL accredited / ILAC accredited laboratory shall be furnished from first lot (without asking any

delivery extension) along with bank guarantee with the technical bid from a Nationalized / Scheduled Bank in prescribed proforma at Schedule-III B or DD/ Pay Order amounting to Rs.5 Lac / Rs.1.5 Lac / Rs.0.5 Lac in case where the value of the purchase (corresponding to tendered quantity) under consideration is more than 1.5 Crore / upto 1.5 Crore/ Upto 0.5 Crore respectively. The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition. **(In this case bidder shall furnish Bank Guarantee of Rs. 5.0 lac)**

- i) A new Rajasthan based unit who does not possess valid type tests reports subject to technically competent.
- ii) Where one or more type tests) is/ are older than 5 years.
- iii) Where new type tests have been added in the specification.
- iv) Where some changes in respect of type test procedure of existing type tests have been introduced in the relevant standard.
- v) Where a new item is being purchased by Nigam for the first time.
- vi) The Rajasthan & outside Rajasthan firm who does not possess valid type tests certificates, if type test reports of higher rating are furnished.

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

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

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

#### 5.0 Black Listing:

##### (A) Black Listing of Firms-

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/misbehaviour 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 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:**

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 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 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 liscence (wherever it is required), failing which the bid will be summarily rejected.
- IV) However, "a copy of vail BIS License irrespective to date of issue of BIS License may be submitted by the bidder upto official working hours of one working day prior to the schedule / notified date of opening of price bid" alongwith

undertaking that BIS License so furnished is valid till date and same has not been withdrawn / cancelled by Bureau of Indian strand. Similar undertaking of validity of BIS License be also furnished by the bidder who furnishes BIS License alongwith the Technical bid (As in practice in purchase of cables)

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**Schedule – III –B**

**BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE**

(On Rajasthan Non-Judicial Stamp Paper of appropriate value)

To,

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

Dear Sir,

Whereas Ajmer Vidyut Vitran Nigam Limited, Ajmer (hereinafter called the Purchaser) has issued a tender enquiry under TN \_\_\_\_\_ for procurement of \_\_\_\_\_ (name of material).

Whereas M/s \_\_\_\_\_ (hereinafter called the bidder) has furnished a bid for supply of \_\_\_\_\_ to the Superintending Engineer (MM), Ajmer Vidyut Vitran Nigam Limited, Ajmer or his nominated officer(s).

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

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

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

Payment pursuant to this undertaking will be demanded by the purchaser from the Bank and will be met by the Bank without question in the case in which the bidder, on receipt of the order and/ or after the acceptance of this tender, makes default in furnishing the required type test certificates. As to whether the occasion or ground has arisen for such demand the decision of the Superintending Engineer (MM), Ajmer Vidyut Vitran Nigam Limited shall be final.

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

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

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

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

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

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

Notwithstanding anything contained herein before, the Bank's liability under this guarantee i.e. restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) and the guarantee shall remain in force upto \_\_\_\_\_. Unless demand or claim in writing is presented on the Bank within three months from that date, the Bank shall be released and discharged from all liabilities there-under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

IN WITNESS WHEREOF the Bank has executed these presents the day \_\_\_\_\_ month \_\_\_\_\_ and year \_\_\_\_\_.

Yours faithfully,

(Bankers)  
EXECUTANT

Witnesses:

1.

2.

**SCHEDULE-IV `A`****Must be filled-in by the tenderer and attach with technical bid (Part-I)**

To,

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

Dear Sir,

With reference to your invitation to tender against specification No. AVVNL/SE/MM/TN-1086 we agree to supply the following quantity:-

S. No.	Particulars of item	Tendered Qty.	Qty. offered	Justification of quantity offered as per qualified requirement	Status of Type Test certificate
1.	2.	3.	4.	5.	6.

1. The offer is valid for a period of 120 days from the date of opening of this tender.
2. The prices are firm.
3. It is noted that the quantities 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 clause as given in **Schedule-VIII** of this specification. In case we fail to deliver the material as indicated in the clause No. 1.23, 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/TN-1086 and as per relevant ISS in all respect.
5. We confirm that we agree to all the terms & conditions as well as the technical stipulations of your specification No. AVVNL/SE/MM/TN-1086 and there are no deviations other than as specified in the **Schedule VI (A&B)**.

Yours faithfully,

Signature of tenderer  
with stamp  
Dated

**Schedule – V**

**AJMER 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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Sr. 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: -

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Sr. 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 THREE PHASE LT SHUNT CAPACITORS UNDER TN-1086.**

Sr. No.	Particular of Item	3 KVAR	6 KVAR	9 KVAR	
1	Type / Rating				
2	Manufacturer's name and Trade mark				
3	Country of origin				
4	(a) Whether ISI marked				
	(b) ISI mark license No.				
	(c) Valid upto				
	(d) Rating covered in license (Enclosed copy of license)				
5	(a) Shape of basic element				
	(b) Type of dielectric film used				
	(c) Thickness of film (Microns)				
	(d) No. of film layers between aluminium foils				
	(e) Voltage stress (Volts / Microns)				
	(f) Voltage rating of each pack				
	(i) Without thickness of impregment (ii) With thickness of impregment.				
6	Dielectric used				
	(a) Inflammable or non inflammable (b) Type of dielectric used.				
7	Type of impregment used				
8	Rated capacity of each capacitor unit				
9	(a) Rated voltage				
	(b) Permanent Over Voltage				
	8 hours / day				
	30 min / day				
	5 min / day				
	1 min / day				
	(c) Mfd. per phase (d) Life Expectancy in hours (e) Capacitor losses in W per KVAR (Max.)				
10	(a) Max. temperature rise (b) Hot Spot temperature rise				
	11	Voltage proof test			
12	(a) Test Voltage between terminals (b) Test voltage between terminals and container				
	(a) Is the cells offered fitted with 3 phase pressure interrupter with visible indication of failure (b) Is the indication visible from a distance? Give details. (c) How does the interrupter disconnect phase by phase, or simultaneously?				
	13	Weight of each capacitor unit			
	14	Material and dimensions of container			
		(a) Material of container (Whether CRCA sheet or not) (b) Dimensions: (i) Length (mm) (ii) Diameter (mm) (iii) Height (mm)			
15		Details of testing facilities			
(i) Details of testing facilities available Test on raw material					

(a)				
(b)				
(c)				
(d)				
(ii)	Routine tests:			
(a)				
(b)				
(c)				
(d)				
(iii)	Acceptance Tests :			
(a)				
(b)				
(c)				
(d)				
(iv)	Type Test:			
(a)				
(b)				
(c)				
(d)				

Note : - In case testing facilities are not available for certain tests, indicate in the remarks column that from which testing house(s)/ Institution(s) these test will be got carried out.

Signature with seal



**Schedule – VI (A)**

**AJMER VIDYUT VITRAN NIGAM LIMITED**  
**A Govt. of Rajasthan Undertaking**  
**DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

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

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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.

with seal of the bidder.

**(Signature)**  
Name & Designation

**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:-

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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****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	Qty in MT	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 M.T.)	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-1086****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 ,  
Name & Designation  
With Seal of the Bidder  
Date \_\_\_\_\_  
Place \_\_\_\_\_

Signature of C.A  
Name :  
Address:  
  
Membership No

The above particulars are true and correct based on explanations, records and books of accounts produced before us. Further the above certificate issued on the request of the company

CA Firm (\_\_\_\_\_)

**Note:- The C.A. certificate must be signed by the bidder and C.A. firm. The details i.e. address of C.A. & membership No. shall clearly be mentioned on C.A. certificate. In case C.A. certificate is not signed by the bidder/furnished without membership No. & address of C.A. then same may not be considered for which responsibility rests with the bidder.**

**Schedule – VIII****AJMER VIDYUT VITRAN NIGAM LIMITED**

## DELIVERY SCHEDULE

PART-A

The delivery schedule of the material by the Purchase Officer is as mentioned hereunder:-

S. No.	Particulars of Material	Commencement period per month.	Rate of supply Per month	Period for completion of delivery of entire material
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PART-B

In case bidder deviates from the delivery schedule mentioned by the purchase in Part-A then the delivery schedule shall be indicated/ mentioned by the bidder as under:-

S. No.	Particulars of Material	Commencement period per month.	Rate of supply Per month	Period for completion of delivery of entire material
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- Note:**
1. During the commencement period the process of model assembly and submission of B.O.M. for approval shall be got completed.
  2. During the commencement period the contractual formalities shall be got completed.

**(Signature)**

Name & Designation  
with seal of the bidder.



**Schedule – IX**

**AJMER VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

List of Equipments and Technical Hands Available with the Firm

(To be filled in by the bidders & enclosed with the bid)

Manufacturers and / or their authorized agents who are quoting against this bid are requested to furnish the following information along-with the bid. The Purchaser will have the discretion to ignore the bid without the under noted particulars and/or ignore the bid particulars.

1. Name and Address of Manufacturer.
2. Place where works exist.
3. Details of machinery particularly with B.H.P. of each item installed.
4. Details of staff employed in the works.
5. Date when started the manufacturing of item under reference.
6. List of items manufactured.
7. Literature and drawings of items manufactured showing their description, size, design and other important technical particulars.
8. Details of order so far, executed alongwith the names of organization to whom supplied.
9. Manufacturing capacity.
10. Is the workshop open for inspection by the representative of the board, if required?
11. Statement of financial resources and Banking Reference alongwith Balance-Sheet for previous two years.
12. Testing facilities available for the manufactured articles in the testing laboratory of works.
13. Whether the Firm is a small/medium/large scale industry.
14. Registration No. with :-
  - i. Small Scale, National/State.
  - ii. DGTD
  - iii. State Industries Department.

**(Signature)**

Name & Designation  
with seal of the bidder.

**Schedule – X****GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF**

	<p><b><u>AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER</u></b>          (Material Management Wing)          Corporate identification Number (CIN) – U40109RJ2000SGC016482          Regd. Off. Vidyut Bhawan, Panchsheel Nagar, Makarwali Road, Ajmer-305004          Telephone No. : 0145- 2644529, Fax No.0145-2644542          E-mail-<a href="mailto:semmajmer@gmail.com">semmajmer@gmail.com</a> Website- <a href="http://www.avvnl.com">www.avvnl.com</a></p>
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**SPECIFICATION FOR SUPPLY OF LOW TENSION 440 VOLT THREE PHASE SHUNT CAPACITORS OF VARIOUS RATINGS (6KVAR & 9KVAR) FOR INSTALLATION ON LT SIDE OF DISTRIBUTION TRANSFORMER & 3 KVAR FOR INSTALLATION NEAR TO STARTER OF AGRICULTURE CONNECTION AGAINST TN-1086.**

LAST DATE & TIME FOR DOWN LOADING OF TENDER DOCUMENTS	:	26.12.2016 (Upto 2.00 PM)
LAST DATE & TIME FOR ONLINE (E-TENDERING) TENDER/OFFER	:	03.01.2017 (Upto 5.00 PM)
DATE & TIME OF ONLINE OPENING OF TENDER	:	04.01.2017 AT 2.00 PM
RISL PROCESSING FEE (NON REFUNDABLE)	:	Rs. 1000/-
COST OF SPECIFICATION (NON REFUNDABLE)	:	Rs 2500/-
VALIDITY	:	120 days from the next date of opening of Techno-Commercial Bid
EARNEST MONEY	:	Rs. 5,00,000.00 (Rs. Five Lac only) or Exemption Certificate or Vender Registration of Class “A” category or above
TENDERING QUANTITY	:	
iv) 3 KVAR		2,00,000 Nos.
v) 6 KVAR		35,000 Nos.
vi) 9 KVAR		5,000 Nos.
CONTACT PERSON (AUTHORISED BID SIGNATORY)	1	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:		Panchsheel, Makarwali Road, Ajmer
MOBILE NO.		9414004258
TELEPHONE & FAX Nos.:		0145-2644529/ 0145-2644542
WEBSITE & E-MAIL:		3. Web: <a href="http://www.avvnl.com">www.avvnl.com</a> Email: 4. Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risi@rajasthan.gov.in">info.risi@rajasthan.gov.in</a>
Address of RISL:-		RajCOMP Info Cervices Limited (RISL) 1 <sup>st</sup> Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan) Phone: 0141- 5103902, 4031900 Fax: 0141-2228701 Web: <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> , Email: <a href="mailto:info.risi@rajasthan.gov.in">info.risi@rajasthan.gov.in</a>

Note:- The bidder, in their own interest, are requested to read very carefully Section-I (Instruction to bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from AVVNL website [www.avvnl.com](http://www.avvnl.com) or [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with EMD one day prior to opening of bid i.e. and scan copy the bid upload on website of RISL downloaded bid document in the manner prescribed in bid document.

1. **Furnishing of Proof of deposition of Cost of Bid Document, Earnest Money/ exemption certificate as per Clause 1.03 & 1.16 of Section-I (Instruction to Bidder) along with downloaded Bid Document is essential otherwise the "BID OFFER" will not be opened. However the bidders who get themselves registered with AVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract) before submitting of bid documents against this bid enquiry for supply of quoted items under appropriate category are not required to furnish Earnest Money Deposit. They shall furnish the proof of such valid registration with their bid. Cost of Bid Document shall be furnished in the form of Crossed Bank Draft / Bankers Cheque payable in the name of "Sr. A.O. (EA & Cash), AVVNL, AJMER". EMD if required shall be furnished in accordance with Clause No. 1.03.1 of Section-I (Instruction to Bidders) and RISL PROCESSING FEE Rs. 1000/- (NON REFUNDABLE) payable to MD RISL Jaipur and Rs. 2500/- tender fees payable to "Sr. A.O. (EA & Cash), AVVNL, AJMER".**
2. The Central and State Govt. undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt. (Central/State) undertaking.
3. The bidder shall quote the Prices strictly in the manner prescribed in Clause No. 1.09 of Section-I (Instruction to Bidders) & Clause No. 1.33 of Section-II (General Conditions of Contract) in **Schedule-IV** otherwise their bid is liable for rejection. The price quoted shall be FIRM in all respect.
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/ cover containing proof of deposition of cost of Bid documents & EMD as under**
    - First: a) Content proof document of tender fee Rs. 1000/- payable to MD RISL, Jaipur.
    - Second: b) Content proof document of tender specification fee (i.e. Rs. 2500/-) payable to Accounts officer (EA & Cash), AVVNL Ajmer.
    - Third: 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 / A certificate of being a Rajasthan/ Central Govt. undertaking should be clearly written on the front cover on document.
  - iii) **Second envelope/ cover for techno-commercial bid.** Techno-Commercial Bid' should be clearly written on the front side of the cover.
  - iv) **Third envelope/ cover for price bid.** Cover- III Price Bid' should be clearly furnished on prescribed format (schedule Fourth) the front side of the cover.



Note: 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.

- v) **The bidder shall ensure that bid is furnished / submitted strictly in the manner detailed in the Specification.**
5. The bids not accompanied with qualification requirement, technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:
    - i) Capacity, capability and competency proofing documents.
      - a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
      - b) Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt. Departments / Discoms for similar or higher rating equipment latest executed.
    - ii) Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
    - iii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
    - 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 to X) shall be rejected.
  7. Bids shall be furnished in single copy.
  8. 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.
  9. AVVNL 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 AVVNL.
    - i) Suitable accommodation.
    - ii) Local conveyance between arrival point, place of stay, works and departure point.
    - iii) The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.

Note: If any difficulty arises, in down loading/ unloading of tender you may contact in the RISL, Jaipur Rajasthan (Contact no. 0141- 5103902, 4031900) or AVVNL at contact no. 9414005663/9413391451.

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