


GENERAL PARTICULARS ABOUT THE TENDER IN BRIEF

	AJMER VIDYUT VITRAN NIGAM LIMITED OFFICE OF THE SUPERINTENDING ENGINEER (MM) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Regd. Off. Vidyut Bhawan, Makarwali Road, Panchsheel Nagar, Ajmer 305 004. TEL. 0145-2644529 FAX 0145-2644542. email- semmajm.avvnl@rajasthan.gov.in xen1mmajm.avvnl@rajasthan.gov.in aen2mmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl
---	--

TENDER SPECIFICATION NO. AVVNL/SE/MM/E1-A2/TN-1304 FOR SUPPLY OF HARDWARE FITTINGS FOR 120 KN DISC INSULATOR `B&S' TYPE AGAINST TN-1304.

LAST DATE & TIME FOR DOWN LOADING OF TENDERS	18.03.2019 & extended up to 20.05.2019 at 2:00 PM
LAST DATE & TIME FOR SUBMITTING OF TENDERS	18.03.2019 & extended up to 20.05.2019 at 05:00 PM
DATE OF OPENING OF TENDERS	19.03.2019 & extended up to 21.05.2019 at 03.30 PM
COST OF SPECIFICATION	Rs. 2,950.00
TENDER PROCESSING FEES	Rs. 1,180.00
VALIDITY	120 days from the next date of opening of Techno commercial bid.
TENDERING QUANTITY	Hardware Fittings For 120 KN Disc Insulator `B&S' Type – 1,000 sets
ESTIMATED UNIT FOR DESTINATION PRICE OF ITEM	Rs. 696/- Per Unit
Hardware Fittings For 120 Kn Disc Insulator `B&S' Type	Rs. 6.96 Lakh
BID SECURITY TO BE DEPOSITED	i) General Bidder : Rs. 14,000 ii) Sick Unit : Rs7,000 iii) SSI Unit of Rajasthan : Rs. 4,000*
CONTACT PERSON (AUTHORISED BID SIGNATORY)	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:	Makarwali Road, Panchsheel Nagar, Ajmer
MOBILE NO.	9414004258
TELEPHONE & FAX Nos.:	0145-2644529 / 0145-2644542
WEBSITE & E-MAIL:	1. Web: www.avvnl.com 2. Web: http://risl.rajasthan.gov.in , Email: info.risl@rajasthan.gov.in

Raj Comp Info Services Limited (RISL)
 Address of RISL:- Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur Rajasthan
 Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
 Web: <http://risl.rajasthan.gov.in>, Email: info.risl@rajasthan.gov.in

*** In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the estimated value of quantity of offered item (s) on the basis of estimated unit FOR Destination price(s) mentioned hereunder, failing which bid shall be considered non-responsive.**

For example, if the bidder quotes only minimum 2.5% quantity then the bid security amount may be calculated as under:-

S. No.	Item	Tendered Qty. (in Sets)	Min. Qty. quoted (sets)	Estimated unit For destination price in Rs./sets	Bid security amount @ 0.5% (Rs.)
1.	Hardware Fittings For 120 KN Disc Insulator `B&S' Type	1000	25	17,400/-	87.00/-
Total Bid security amount in Rs.					87.00/-

In case the bidder offers anyone items or more, then he has to furnish the bid security @ 0.5% of the estimated value of quantity offered of that item.

Further, while depositing the bid security amount/BG in the office of Superintending Engineer (MM), AVVNL Ajmer, the bidders shall furnish a certificate regarding SSI unit of Rajasthan and of Rajasthan and of sick unit (if applicable) along with quantity of offered item(s) by them.

Note: 1. The bidders in their own interest are advised to go through the complete specification carefully.

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 AVVNL website www.avvnl.com or [www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in) and upload the tender on website of RISL [www.http://eproc.rajasthan.gov.in](http://eproc.rajasthan.gov.in). No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (MM), Ajmer Discom, Ajmer then the copy available with Superintending Engineer (MM.), Ajmer Discom, Ajmer will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

INDEX

Section-I	Instructions to bidders (for e-tendering)	
Section -II	General Conditions of Contract	
Section-III-A	Technical Specification for H/w Fittings for 120 KN Disc Insulators "B&S" Type	
Schedule-I	Schedule of requirement	
Schedule-II	P. V .Formula	
Schedule-III	Details of standard for H/w Fittings for 120 KN Disc Insulators "B&S" Type	
Schedule-III-A	Pre Qualification Requirement (PQR)	
Schedule-III -B	Performa of Bank Guarantee in lieu of type test certificate(s)	
Schedule IV A	Details of bid quantity, quantity offered along with justification with reference to Pre qualifying Requirement .	The Bidder is required to justify quantity offered as per Pre qualifying Requirement.
Schedule V	Departure from Guaranteed Technical Particulars	
Schedule V-A	Guaranteed Technical Particulars for H/w Fittings for 120 KN Disc Insulators "B&S" Type	
Schedule VI A	Departure from the requirement of Technical Specification.	
Schedule VI B	Departure from commercial terms & conditions of specification	
Schedule VII	List of Past supplies.	
Schedule VII-A	CA certificate for quantity justification.	
Schedule VIII	Delivery schedule.	
Schedule IX	List of equipment & technical hands available with the bidder.	
Schedule X	General Particulars about the tender in brief	
General	Amendment in ITB and GCC	
Appendix-1	Performa of Bank Guarantee for Bid Security	
Appendix-2	Details of banker for RTGS for furnishing	

1. Tender documents will be made available on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>. The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website <http://www.eproc.rajasthan.gov.in/nicgep/app>. The bidders can download bid documents and submit their bids upto 5.00 p.m. one day prior to schedule date of opening of respective bid mentioned above.
2. Eligible bidders should submit their bid well in advance instead of waiting till last date. AVVNL will not be responsible for non-submission of Bid due to any website related problems.
3. The Tender process fee **Rs.1,180/-** to be paid by Demand Draft/Banker's Cheque in favour of MD,RISL, Jaipur (payable at Jaipur) and cost of tender specification fee **Rs. 2,950/-** to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO (EA & Cash), AVVNL, Ajmer

(payable at Ajmer), be deposited in the office of the Superintending Engineer (MM), AVVNL, Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO (EA & Cash), AVVNL, Ajmer (payable at Ajmer) or Bank Guarantee, in specified format, of a scheduled bank in favour of Account Officer (MM), AVVNL, Ajmer, be deposited in the office of the Superintending Engineer (MM), AVVNL, Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004 upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

4. The bidders are required to **upload the** receipt of depositing all above payments along with their tender at the relevant place on the scheduled date & time otherwise their bids are liable to be rejected.
5. Eligible bidders should submit their bid well in advance instead of waiting till last date. AVVNL will not be responsible for non-submission of Bid due to any website related problems.

Note :- 1. All eligible interested bidders are required to get enrolled on e-Tendering portal <http://www.eproc.rajasthan.gov.in/nicgep/app>.
2. If any difficulty arises, in down downloading/ uploading of tender you may contact in the RISL, Jaipur Rajasthan at following Contact/address.

Address of RISL:- RajCOMP Info Services Limited (RISL)
1st Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur (Rajasthan)
Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: info.risl@rajasthan.gov.in

SECTION -III**TECHNICAL SPECIFICATION AND OTHER REQUIREMENTS FOR HARDWARE FITTINGS FOR 120 KN DISC INSULATORS `B&S' TYPE (BOLTED TYPE SINGLE TENSION CLAMP SUITABLE FOR ACSR `PANTHER' CONDUCTOR & LINKED WITH 120 KN DISC INSULATOR)**

3.1 SCOPE :

This specification covers the design, manufacture, testing at manufacturer's works before dispatch, supply and delivery of hardware fittings and accessories suitable for 120 KN Disc Insulators `B&S' type (Bolted type single tension clamp suitable for ACSR `Panther' conductor & linked with 120 KN Disc Insulators) for use on various 33 KV & 132 KV lines and Grid Sub Station .

3.2 STANDARDS;

This hardware fittings and accessories should conform in all respect to the latest editions of IS-2486(PART.I/1993), (PART.II/1989) and (PART.IV/1981). All nuts shall be made of material conforming to property clause 4.8 of IS:1367/1967 (first revision) with regard to its mechanical properties, cotter pins should be made of forged steel conforming to clause 2 of IS:2004/1970 (first revision) with latest amendments. All ferrous parts shall be hot dip galvanized. Electro galvanised ferrous fittings shall be in accordance with IS:1573/1970 (first revision).

The hardware fittings are required to be used with Disc Insulators string units containing insulators of type-B as classified under clause-5 "Classification" of IS:731/1971 and ACSR Panther conductor specified in IS:398/pt.II/1976.

3.3 GENERAL REQUIREMENTS :

i) The insulator strings hardware fittings shall be supplied complete in all respect and shall include all fittings necessary for composing the insulator strings and should include shackles, U-clevis or ball-links for attaching it to the strain plate or hangers supplied with Sub-Station structures. Conductor strain clamps should be suitable for attaching the specified conductor to the string.

The supplier shall ensure that the insulator fittings offered are complete in all respect and are entirely suitable for the proposed attachment and for the sizes of conductors indicated in Appendix -I.

All Bolts , nuts & screw heads shall be of standard thread. Bolt heads and nuts shall be hexagonal. Where ever, required, nuts shall be locked in an approved manner. The threads in nuts and tapped holes shall be cut after galvanising and shall be well-lubricated greased. All other threads shall be cut before galvanising.

The bolt thread shall be under cut to take care of increase in diameter due to galvanisation.

ii) All forgings and castings shall be of good finish and free from flaws and other defects. The edges on the outside of fittings, such as at the eye clevis and holes, shall be rounded.

iii) All parts of Hardware fittings which provide for interconnection shall be made such that sufficient clearance is provided at connection point to ensure free movement and tension of the insulators string assembly. All eye and clevis connections shall be free in this manner but care shall be taken that too much clearance between eye and tongues of the clevis is avoided.

3.4 MATERIAL DESIGN AND TYPE :

i) The material for string insulator fittings (except those specified otherwise) shall be either drop forged steel or heat treated malleable cast iron and shall be hot dip galvanised after all machining and fittings have been completed. The material used in fittings shall be corrosion resistant. All nuts shall be made of material conforming to property clause 4.8 of IS : 1367-1967 (first revision) with regard to its mechanical properties and cotter pins shall be made of forged steel conforming to clause 2 of IS-2004-1970 with latest amendments.

The security clips shall be of phosphor bronze conforming to IS: 1385/1968 or of brass of suitable temper with minimum hardness of 100 HV conforming to IS: 410-1967 (second revision) with latest amendments. For galvanising, zinc conforming to grade zn 98 of IS:209/1966 shall be used.

ii) The locking devices shall be resilient, corrosion resistant, and of suitable mechanical strength. The hardness and temper of the material are important for their satisfactory operation.

The locking devices shall retain their locking ability after being operated from the locking to the coupling position at least twenty times, at normal temperature. They should be effective at the lowest temperature likely to be encountered in service.

iii) All fittings shall be designed so that the harmful bimetallic corrosion is avoided and effects of vibration, both on conductor and fitting itself are minimized.

iv) TENSION CLAMP : The bolted type clamps shall be made out of high strength aluminum alloy suitable for Panther conductor indicated in Appendix-I. The mechanical efficiency of tension clamps shall not be effected by method of erection involving "Come-Along" or similar clamp during or after assembly and erection of tension clamp itself. The strain clamp shall have the same conductivity as the conductor, and shall be of a design that will ensure unrestricted flow of current.

3.5 ATMOSPHERIC CONDITIONS :

The material offered shall be suitable for operation in hot and humid tropical climate and will be subject to inclement weather and shall be able to withstand wide range of temperature variation. The humidity may be as high as 90% during rainy season and as low as 10% during the dry season.

3.6 TYPE TESTS :

3.6.01 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.

3.6.02 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).

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

3.6.04 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.

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from 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 C or DD/ Pay Order amounting to **Rs. 0.5 Lac.** The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

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

3.7 ROUTINE AND ACCEPTANCE TESTS :

The material shall be subjected to all routine and acceptance tests specified in the latest edition of relevant IS, before dispatch. Such tests shall be witnessed by the inspecting officer from the purchaser's side.

3.8 INSPECTION & TESTING :

The inspection & testing shall be governed by relevant clause of General Conditions of Contract (Schedule-II).

3.9 MARKING :

The clamps (aluminum portion) of each H/W fittings shall be provided with the following marking:

- a) Name of manufacturer or trade mark.
- b) Year of manufacture.

The packages containing fittings may also be marked with the standard mark, if available.

3.10 PACKING :

For packing double bags, one HDP bag (inner) and one gunny bag (outer) or double gunny bag shall be employed. The packing shall be fit to withstand rough handling during transit and storage at destination. The heads and threaded portions of the fittings shall be properly protected against damage. The gross weight of the packing shall not normally exceed 50 Kg. Different fittings shall be packed in different bags and shall be completed with their minor accessories fitted in place. All nuts shall be hand tightened over the bolts and screwed upto the farthest point.

3.11 DRAWING :

The bidder should submit detailed drawing showing design and dimensions of the complete hardware set alongwith design and dimension of various parts. Full particulars of the conductor clamps shall be given and the type of material used of various parts should be clearly specified either on the drawing or in a separate statement.

THE BID DRAWINGS SHOULD CONSIST OF :

- i) Dimensioned assembly drawings of the complete hardware set with all fittings.
- ii) Separate detailed dimensioned drawing for all hardware fittings such as conductor, tension clamps, hook ball clevis socket clevis, yokes etc.
- iii) Weight of Aluminum and steel portion separately.

3.12 GUARANTEED TECHNICAL PARTICULARS :

The number of discs used on tension strings and the EMS ratings, technical particulars of matching insulators and that of conductor are given in Appendix -I. The technical particulars of hardware fittings shall be given by the bidder in Schedule-V –A.

3.13 TESTING FACILITIES ;

The bidder must indicate clearly about the various testing facilities for type tests as well as routine/sample tests as per relevant ISS in respect of hardwares are available at the bidders works. In case no testing facilities are available at the bidders works, particulars of the place where such testing is proposed to be conducted during the course of inspection must be indicated.

3.14 DEVIATIONS FROM SPECIFICATIONS :

The technical specification contained in this section are for the guidance for the bidder. Any deviation from the purchaser's specification will be considered on their relative merits in respect of performance efficiency durability and overall economy consistent of the purchaser's requirements here in after stipulated. Such deviations shall be clearly entered by the bidder in the form as per Schedule-VI –A & B of the specification.

3.15 PRICES & PRICE VARIATION:

a) The prices quoted shall be variable as per price variation formula given in the specification (**Schedule-II**).The IEEMA formula allowing price variation for transmission line accessories & hardware containing both aluminium & steel as under shall applicable for hardware fittings **with base date 1st day of one month prior to the date of opening of technical bid** (i.e. base date 01.02.2019)

$$P = \frac{P_o}{100} \left(20 + 40 \frac{Al}{Al_o} + 5 \frac{Zn}{Zn_o} + 20 \frac{SBIR}{SBIR_o} + 15 \frac{W}{W_o} \right)$$

The details of this PV Clause are available at Schedule-II-A.

b) If the price variation formula is changed, the same shall be applicable for the price variation. During the transit period when both old and new indices are being circulated , then the admissible price variation shall be applicable, which is advantageous to NIGAM , and the period from which old indices are discontinued then the PV shall be admissible with the new indices.

c) The date of delivery (i.e. date of readiness of material) is to be considered as per clause No. 1.10 of Section-I(Instructions to bidder).

3.16. DELIVERY SCHEDULE

The bidder is required to quote monthly delivery. The delivery of quoted quantity should be completed in **One months** period including commencement period of **maximum 30 days in equal monthly installment** . In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Bid in which monthly delivery schedule is not indicated shall be ignored.

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

3.17 TEST CHECKING OF MATERIAL AT STORES

3.17.1 The material received in the stores of the NIGAM shall be subjected to the test checking at stores before final acceptance of the material, the procedure for the same shall be as under :

3.17.2 SAMPLING

One sample out of each sub-lot / lot consisting of **500 sets** or part thereof of hardware fittings for disc insulators from each inspected lot received in stores shall be selected for test checking of material and shall be got tested.

The selection of sample from the material received at stores shall be done as soon as material is received in stores without the presence of the representative of the supplier. However, testing of sample(s) at CTL shall be carried out in the presence of representative of the supplier after identification / confirmation by him that sample so selected belongs to them. In case the supplier disputes that the selected samples does not pertain to them, then fresh sample shall be selected in the presence of the representative of the supplier and test(s) be carried out.

3.17.3 TESTS

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

- a) Visual Examination, Verification of Dimension, weight and marking Test
- b) Slip Strength Test.
- c) Ultimate Strength Test.
- d) Galvanisation (Uniformity) Test.

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

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

3.17.6 Only those tests shall be conducted at CTL for which facility with CTL is available.

3.18 CRITERIA FOR ACCEPTANCE

3.18.1 Visual Examination, Verification of Dimension, weight and marking Test As per specification/ ISS

3.18.2 Slip Strength test & Ultimate Strength Test :

In case of failure of sample in Slip Strength test or Ultimate Strength Test, the material contained in the lot / sub-lot to which the sample belongs, shall be rejected. The rejected material shall have to be replaced by the supplier free of cost.

3.18.3 Galvanisation (Uniformity) Test.

i) The sample(s) shall be first tested for (n-2) number of dips where (n) is specified number of dips in the contract. If the sample(s) does not pass the uniformity of Galvanisation Test for (n-2) dips, the material shall be rejected and the material relating to relevant lot / sub- lot to which sample(s) pertains shall have to be replaced by the supplier free of cost.

ii) If the sample has passed the uniformity of Galvanisation Test for (n-2) dips, then it shall be tested for (n-1) dips. If the sample has not passed the uniformity of Galvanisation Test with (n-1) dips, then material pertaining to relevant lot / sub-lot shall be accepted with a deduction @ 10% of cost of material.

iii) If the sample has passed the uniformity of Galvanisation Test with (n-1) dips, then sample shall be tested for last one dip of one minute to complete the test for `n' dips. If the sample does not pass the uniformity of Galvanisation Test with `n' dips, then the material pertaining to relevant lot/ sub-lot shall be accepted with a deduction @ 5% of cost of material.

iv) If the sample(s) have passed the Test with number of dips as specified in the contract (n), then material pertaining to relevant lot / sub-lot shall be accepted.

3.19 TEST CHARGES :

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

3.20 PAYMENT :

Payment shall be made only after receipt of successful test report from the CTL of AVVNL on the samples selected from the material received at the stores. However, the due dates for payment shall be considered from the date of submission of the bills along with receipted challans to Sr. Accounts Officer(CPC) of respective Discom.

3.21 QUANTITY TOLERANCE :

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

3.22 ADDITIONAL ORDER:

Repeat orders for additional quantities, up to 50% of original ordered quantities, may be placed by the Nigam, on the same rates, terms and conditions given in the contract, if required by the Nigam.

APPENDIX - I**TECHNICAL REQUIREMENT FOR BOLTED TYPE HARDWARE FITTINGS
132 KV STRING INSULATOR HARDWARE**

1.	Power system	132 KV 3 Phase 50 Cycles Effectively earthed.
2.	Insulators :	
	Type	Conventional ball & socket type
	Diameter	255 mm
	Spacking	145 mm
	Colour	Brown
	Surface	Glazed
i)	Highest system voltage	145 KV(rms)
ii)	Visible discharge test(power frequency voltage)	105 KV(rms)
iii)	Wet power frequency with stand test.	230 KV(rms)
iv)	Impulse voltage Withstand test.	550 KV(Peak)
v)	power frequency puncture withstand voltage.	1.3 times the actual dry flashover voltage.
vi)	Minimum creepage distance of the insulator for moderately polluted atmospheres (total).	2250 mm.

APPENDIX-II**MECHANICAL REQUIREMENT FOR BOLTED TYPE HARDWARE FITTINGS**

1	Strings arrangements	Nos. of Disc	Electro strength	Mechanical
a)	Tension strings for normal tension locations	10	120 KN	
b)	Minimum Failing load.	As above.		
2	Accessories & Hardwares			
(A)	132 KV Power Conductor Hardwares :			
a)	Clamps	Tension		
	Slip strength (Max.)	8230 Kgs.		
	Ultimate strength.	9144 Kgs.		
	Minimum failing load	9144 Kgs.		
b)	Other Hardware			
	Minimum failing load	9144 Kgs.		
c)	Conductor	ACSR Panther		
d)	Stranding & wire diameter	Al 30/3.04 + St 7/3.0 mm		
e)	Approx. overall dia	21.0 mm		
f)	Normal area	207 mm sq.		
g)	Maximum temp. of conductor carrying current & expose to sun.	67 degree C		

SCHEDULE-I**SCHEDULE OF REQUIREMENT**

S.No.	Particulars	Qty in Sets
1	<p><u>Bolted type single tension clamp suitable for ACSR panther conductor & linked with 120KN Disc Insulator</u> and conforming to IS:2486, other particulars as per schedule and consisting of :-</p> <ul style="list-style-type: none"> i) Ball Eye ii) socket clevis iii) Tension clamp without arcing horn iv) Anchor shackle 	1,000

The requirement as indicated above is tentative and can be increased or decreased at the time of placing of the order.

SCHEDULE-II**IEEMA/PVC/TL-A&H/2001(R-3)****Effective from 1st April.2014****PRICE VARIATION CLAUSE FOR TRANSMISSION LINE ACCESSORIES AND HARDWARES.**

CONTAINING:(A) BOTH ALUMINIUM & STEEL (B) ONLY ALUMINIUM
(C) ONLY STEEL

The price quoted/confirmed is based on the input cost of raw materials/components and labour cost as on the date of quotation and the same is deemed to be related to the prices of raw materials and all India average Consumer Price Index Number for Industrial Workers as specified in the price variation clause given below. In case of any variation in these prices and index numbers, the prices payable shall be subject to adjustment, up or down in accordance with the following formula:

(A) Transmission line accessories & hardware containing both **aluminium & steel**

$$P = \frac{P_o}{100} \left(20 + 40 \frac{Al}{Al_o} + 5 \frac{Zn}{Zn_o} + 20 \frac{SBIR}{SBIR_o} + 15 \frac{W}{W_o} \right)$$

(B) Transmission line accessories and hardware containing only **aluminium**:

$$P = \frac{P_o}{100} \left(20 + 65 \frac{Al}{Al_o} + 15 \frac{W}{W_o} \right)$$

(C) Transmission line accessories and hardware containing only **steel**:

$$P = \frac{P_o}{100} \left(20 + 58 \frac{SBIR}{SBIR_o} + 7 \frac{Zn}{Zn_o} + 15 \frac{W}{W_o} \right)$$

Wherein :

P = Price payable as adjusted in accordance with the above formula.

P_o = Price quoted/confirmed.

Al_o = Price of EC grade aluminium ingots (refer notes) .

Zn_o = Price of electrolytic high grade zinc (refer notes).

SBIRo = Price of Steel Billet-Retail (refer notes).

Wo = All India Average Consumer Price Index number for Industrial Workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India. (Base 2001=100)

The above prices and indices are as published by IEEMA vide Circular reference NO. IEEMA (PVC)/ TLA&H (R-3) / _ / _ of the Month of **1st day of one month prior to the date of opening of technical bid (i.e. base date 01.02.2019)**

Al = Price of EC grade aluminium ingots. (refer notes).

This price is as applicable on the 1st working day of the month , **two** month prior to the date of delivery.

Zn = Price of electrolytic high grade zinc. (refer notes).

This price is as applicable on the 1st working day of the month, **two** month prior to the date of delivery.

SBIR = Price of Steel Billets-Retail. (refer notes).

This price is as applicable on the 1st working day of the month, **two** month prior to the date of delivery

W = All India Average Consumer Price Index number for Industrial Workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India. (Base 2001=100).

This index number is as applicable on the first working day of the month, **four** months prior to the date of delivery.

For example, if the date of delivery falls in July,2015, the applicable price of Aluminum (Al) ,Zinc (Zn) and Steel Billets-Retail (SBIR) should be for the month May,15 and all India average consumer price index number (W) should be for the month of March,2015 .

The date of delivery (i.e. date of readiness of material) is to be considered as per clause No. 1.10 of Section-I(Instructions to bidder).

Schedule – III

AJMER VIDYUT VITARAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of

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

HARDWARE FITTINGS FOR 120 KN DISC INSULATOR 'B&S' TYPE

S.No.	Technical specification to which material/equipment/ Machinery/ T&P shall conform	Name of IS/other standard specification to which material should conform	Other particulars if any.
1.	H/w fittings for 120 KN disc insulators	ISS:2486 (Part.I/1993), ISS:2486 (Part.II/ 1989), ISS:2486(Part. IV), 1981	
2.	All nuts shall be made of material conforming to	clause 4.8 of IS:1367/1967 (first revision)	
3.	Cotter pins should be made of forged steel conforming to	clause 2 of IS:2004/1970 (first revision) with latest amendments	
4.	All ferrous parts shall be hot dip galvanised electro galvanised ferrous fittings shall be in accordance with	IS:1573/1970 (first revision).	
5.	The H/w fittings are required to be used with Disc Insulators string units containing insulators of type-B	clause-5 "Classification" of IS:731/1971	
6.	ACSR Panther conductor	IS:398/pt.II/1976.	
7.	The security clips shall be of phosphor bronze conforming to	IS: 1385/1968	
8.	Brass of suitable temper with minimum hardness of 100 HV conforming to	IS: 410-1967 (second revision) with latest amendments	
9.	For galvanising, zinc	Grade Zn-98 of IS:209/1966 IS 209/1979	

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

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

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

SCHEDULE-III-A**QUALIFICATION REQUIREMENT**

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

1.0 STATUS OF BIDDER:-

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

2.0 PAST SUPPLY & PERFORMANCE CRITERIA :-

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

2.01 PAST SUPPLY:-

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

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

- 2.01.3 In support of fulfillment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the enclosed prescribed proforma only. This prescribed proforma should

be furnished either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the C.A. Certificate. The certificate should have membership number with the name & address of the chartered accountant. Certificate should clearly indicate the quantity supplied, period of supply, voltage Class, Rating of the Transformer etc. in the format prescribed, any deviation to format or information diverted format, will not be considered and rejected.

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

2.02 **PERFORMANCE CRITERIA:-**

2.02.1 i) If a bidder has supplied up to 50% of ordered quantity in previous tender up to date of opening of subsequent tender and scheduled delivery period expired, the bid of such bidder will not be opened in the Discom for that item.

ii) However, if the supplies have been completed for a quantity more than 50% but not completed up to date of opening of subsequent tender and scheduled delivery period expired, the quantity equal to the quantity pending in previous tender for that item shall be reduced from the subsequent tender quantity to be allocated to the bidder.

3.0 **TYPE TEST CRITERIA:-**

3.01 The 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.

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.

However, in the following cases the bid of the bidder may be considered meeting the type test criteria if the bidder furnishes an undertaking stating that valid type test certificate from 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 C or DD/ Pay Order amounting to **Rs. 0.5**. Lac The initial validity of Bank Guarantee shall be nine months with claim period of three months in addition.

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

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

5.0 (A) Black listing of a firm:

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

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

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

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

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

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

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

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

(B) Severment of Business relation:

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

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

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

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

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

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

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

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

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

(C) DEBARMENT

Reasons on which Debarment can be made:-

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

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

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

(iv) The suppliers who have been awarded contract for supply of material is not adhering to the periodic delivery schedule, the contract awarding authority

reserve the right to terminate the contract and may debar the firm in participating in tender for a period of one year or next tender whichever is later.

Note:-1. If the firm is debarred in one Discom for any reasons then the same should not be applicable in other Discom subject to exception that in case of common Discoms purchases such debarment of a firm would be applicable to all three Discoms for that particular item and rating/capacity/size etc.

6.0 APPEALS AND APPLICATIONS:-

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

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

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

Schedule-III-B

BANK GUARANTEE IN LIEU OF FURNISHING OF TYPE TEST CERTIFICATE

(On Rajasthan Non-Judicial Stamp Paper worth Rs. @ 0.25% of BG amount or Rs. 25,000/-, whichever is less.)

To,

The Superintending Engineer (MM),
Ajmer Vidyut Vitran Nigam Limited,
Vidyut Bhawan.
Panchsheel Nagar, Makarwali Road,
Ajmer – 305004 (Rajasthan)

Dear Sir,

Whereas Ajmer Vidyut Vitran Nigam Limited , Ajmer (hereinafter called the purchaser) has issued a bid enquiry under TN..... for procurement of (Name of material) .

Whereas M/s (hereinafter called the bidder) has furnish 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 afore said TN..... , the bidder can deposit a bank guarantee in lieu of the requirement of furnishing the type test certificates.

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

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

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

Witness:

- 1.
- 2.

Schedule-IV `A`**Must be filled in by the bidder and attached with Technical Bid (Part-I)**

To,

The Superintending Engineer (MM),
Ajmer Vidyut Vitran Nigam Limited,
Vidyut Bhawan.
Panchsheel Nagar, Makarwali Road,
Ajmer – 305004 (Rajasthan)

Dear Sir,

With reference to your invitation to bid against specification No. AVVNL/SE(MM)/E1A2/TN-1304, we agree to supply the following quantity :

S. No.	Particulars of Item	Bid Quantity (in sets)	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates
1.	2.	3.	4.	5.	6.
1	H/w fittings for 120 KN Disc Insulator "B&S" type	1,000			

- The offer is valid for a period of 120 days from the next date of opening Techno commercial bid.
- The prices are variable as per P.V. Formula given at Schedule-II.
- It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
- The delivery shall strictly be in accordance with our delivery schedule as given in Schedule-VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Section-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification.
The material shall conform to your specification No. **AVVNL/SE(MM)/E1A2/TN-1304** and as per relevant ISS in all respect.
- We conform that we agree to all the terms & conditions as well as the technical stipulation of your specification No. **AVVNL/SE(MM)/E1A2/TN-1304** and there are no deviations other than as specified in the Schedule-VI (A & B).

Yours faithfully,

**Signature of bidder with stamp
Dated.**

Schedule – V



**AJMER VIDYUT VITARAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking**

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

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

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

S.No.	Particulars of technical & other Performance data	Reasons for deviations/departure.
-------	---	-----------------------------------

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

SCHEDULE-V-A**GUARANTEED AND OTHER PARTICULARS FOR H/W FITTINGS FOR 120 KN DISC INSULATORS `B&S' TYPE (BOLTED TYPE SINGLE TENSION CLAMP SUITABLE FOR ACSR `PANTHER' CONDUCTOR & LINKED WITH 120 KN DISC INSULATOR) AGAINST TN-1304 :**

S. No.	Description	Particulars
1	Maker's name & address Office	
2	Place of Manufacturer, Works	
3	Size of the ball and socket	
4	ISS to which the fittings shall conform	ISS:2486/Pt.I/1993, 2486/Pt. II/1989, IS:1971 & IS:2486 Pt. III/1976 IS:2486 Part.IV/1981 with latest amendments.
5	Net weight(excluding insulators) (in Kgs.)	
a)	Al.	
b)	Steel	
c)	Total	
6	Tansion Clamps	
i)	Breaking strength of clamp	9144 kgs
ii)	Breaking strength of string	9144 kgs
iii)	Slipping strength of clamp	90% of UTS of ACSR panther conductor (minimum)
iv)	Slipping strength of string	
7	Material used for other components	
a)	Bolt	
b)	Clevis	
c)	Nuts	
d)	Plain washers	
e)	U-bolts	
f)	Spring washers	
g)	`W' clips	
h)	Split pins	
i)	Cotter pins	
8	Length of string	
9	Indian standard specification to which galvanisation shall conform	IS:2633
10	Whether the hardware shall match with the Insulators conforming to relevant ISS procured from Indigenous suppliers	Yes
11	Quantity and Material used in components	Material Manufacturing Processing
12	SINGLE TENSION STRING	
a)	Anchor Shackle	
b)	Ball Eye	

S. No.	Description	Particulars
c)	Socket Clevis	
d)	Clevis Eye	
e)	Tension clamp without arcing horns	
f)	Yoke	
13	Marking	
14	IS Drawing No. to which the clamps shall conform	
15	Packing details	As per spec.
16	Any other information which the bidder may wish to furnish	
17	Have the samples been supplied, if so give the particulars	

Signature of Bidder

Schedule – VI (A)



AJMER VIDYUT VITARAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking

DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION

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

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

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

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

Schedule – VI (B)



**AJMER VIDYUT VITARAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking**

**DEPARTURE FROM COMMERCIAL TERMS & CONDITIONS OF THE
SPECIFICATION**

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

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

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

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

Schedule – VII

AJMER VIDYUT VITARAN 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 bid 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	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

If executed partially to be mentioned order	whether still to be executed	Delivery stipulated in	Remarks
7	8	9	10

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

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

SCHEDULE-VII-A**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 & particulars of purchasing authority	Order No. & Date against which item(s) supplied	Unit	Ordered		Actual Supplied Up to		Remarks
						Qty	Value (Rs.)	Qty	Value (Rs.)	

Signature

Signature of C.A.

Name & Designation
With Seal of the Bidder
Date _____
Place _____

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(_____)



SCHEDULE-VIII

AJMER VIDYUT VITARAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking

DELIVERY SCHEDULE

PART – A

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

S. No	Particular Of Material	Commencement Period	Rate Of Supply per Month	Period for Completion of delivery of Entire material
1	H/w Fittings For 120 KN Disc Insulator "B&S " Type	30 Days from the date of receipt of detailed Purchase Order.	Equal monthly Installments for each type.	Within One months after commencement period.

Note – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately . Bid in which equal monthly delivery schedule is not indicated, shall be ignored.

PART - B

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

S. No	Particular Of Material	Commencement Period	Rate Of Supply per Month	Period for Completion of delivery of Entire material
1	H/w Fittings For 120 KN Disc Insulator "B&S " Type			

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

Signature
Name & Designation
With Seal of the Bidder



Schedule – IX

AJMER VIDYUT VITARAN 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

	<p>AJMER VIDYUT VITRAN NIGAM LIMITED OFFICE OF THE SUPERINTENDING ENGINEER (MM) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Regd. Off. Vidyut Bhawan, Makarwali Road, Panchsheel Nagar, Ajmer 305 004. TEL. 0145-2644529 FAX 0145-2644542. email- semmajm.avvnl@rajasthan.gov.in xenlmmajm.avvnl@rajasthan.gov.in ae2mmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl</p>
---	---

TENDER SPECIFICATION NO. AVVNL/SE/MM/E1-A2/TN-1304 FOR SUPPLY OF HARDWARE FITTINGS FOR 120 KN DISC INSULATOR `B&S' TYPE AGAINST TN-1304.

LAST DATE & TIME FOR DOWN LOADING OF TENDERS	18.03.2019 & extended up to 20.05.2019 at 2:00 PM
LAST DATE & TIME FOR SUBMITTING OF TENDERS	18.03.2019 & extended up to 20.05.2019 at 05:00 PM
DATE OF OPENING OF TENDERS	19.03.2019 & extended up to 21.05.2019 at 03.30 PM
COST OF SPECIFICATION	Rs. 2,950.00
TENDER PROCESSING FEES	Rs. 1,180.00
VALIDITY	120 days from the next date of opening of Techno commercial bid.
TENDERING QUANTITY	Hardware Fittings For 120 KN Disc Insulator `B&S' Type – 1,000 sets
ESTIMATED UNIT FOR DESTINATION PRICE OF ITEM	Rs. 696/- Per Unit
Hardware Fittings For 120 Kn Disc Insulator `B&S' Type	Rs. 6.96 Lakh
BID SECURITY TO BE DEPOSITED	i) General Bidder : Rs. 14,000 ii) Sick Unit : Rs7,000 iii) SSI Unit of Rajasthan : Rs. 4,000*
CONTACT PERSON (AUTHORISED BID SIGNATORY)	Superintending Engineer (MM) AVVNL, Ajmer
CORRESPONDENCE ADDRESS:	Makarwali Road, Panchsheel Nagar, Ajmer
MOBILE NO.	9414004258
TELEPHONE & FAX Nos.:	0145-2644529 / 0145-2644542
WEBSITE & E-MAIL:	1. Web: www.avvnl.com 2. Web: http://risl.rajasthan.gov.in , Email: info.risl@rajasthan.gov.in

Address of RISL:- Raj Comp Info Services Limited (RISL)
Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur Rajasthan
Phone: 0141- 5103902, 4031900 Fax: 0141-2228701
Web: <http://risl.rajasthan.gov.in>, Email: info.risl@rajasthan.gov.in

*** In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the estimated value of quantity of offered item (s) on the basis of estimated unit FOR Destination price(s) mentioned hereunder, failing which bid shall be considered non-responsive.**

VERY VERY IMPORTANT

1. The bids not accompanied with qualification requirement, technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:
 - i) Capacity, capability and competency proofing documents.
 - a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b) Copy of purchase orders of Erstwhile RSEB /SEB`S / 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.
2. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.
3. Bids shall be furnished **through Online**.
4. AVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied /after sales service while evaluating the Techno-Commercial bid.
5. AVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification **(Section-III)**.
6. Deviation of any kind shall not be quoted in BOQ (Bill of quantity) , if found quoted, the same shall be ignored.
7. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of Nigam (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.

(Signature)

Name & Designation
with seal of the bidder

AMENDMENT IN ITB AND GCC

- 1) **Wherever EMD and Security Bank Guarantee (SBG), are appearing in the ITB, GCC & other Bidding Documents, same is hereby replaced by BID SECURITY as under:-**

BID SECURITY

Bid security shall be 2% **of the estimated value of subject matter of procurement put to bid.** In case of Small Scale Industries of Rajasthan it shall be 0.5% of the **quantity offered** for supply and in case of sick industries, other than Small Scale Industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of bid. Every bidder, if not exempted, participating in the procurement process shall be required to furnish the bid security as specified in the notice inviting bids.

In case SSI unit of Rajasthan quotes the less than the tendered quantity, then they are required to furnish Bid Security @ 0.5% of the value of the quantity offered by them, failing which bid shall be considered nonresponsive.

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of Sr. AO(EA & Cash), AVVNL, Ajmer (payable at Ajmer) or Bank Guarantee, in specified format (**Appendix-A**), of a scheduled bank in favour of Superintending Engineer (MM), AVVNL, Ajmer, be deposited in the office of the Superintending Engineer (MM), AVVNL, Ajmer upto 2.00 p.m. upto one WORKING day prior to schedule date of opening of respective bid.

The Micro, Small & Medium Scale Industries of Rajasthan and sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR) shall furnish self-attested documentary evidence duly attested by Notary to claim the above. (**Appendix-C**)

- 2) **Wherever Performance Bank Guarantee (PBG) and Composite Bank Guarantee (CBG) are appearing in the ITB, GCC & other Bidding Documents, same are hereby replaced by PERFORMANCE SECURITY as under:-**

PERFORMANCE SECURITY

- (i) Performance security shall be solicited from all successful bidders except the department's of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.
- (ii) The amount of performance security shall be **five percent** of the amount of supply order in case of procurement of goods and services and **ten percent** of the amount of work order in case of procurement of works. In case of Small Scale Industries of Rajasthan it shall be **one percent** of the amount of quantity ordered for supply of goods and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be **two percent** of the amount of supply order.

Performance security from the successful bidder shall be taken or may adopt option after approval of purchaser to withheld **5%** (in case of established suppliers)/ **1%** (in case of Micro, Small & Medium scale industries of Rajasthan)/ **2%** (in case of sick industries) / **10%** (in case of other suppliers) amount in lieu of performance security from each bill on pro-rata/ proportionate basis. In case of successful bidder, the amount of bid security may be adjusted in arriving at the amount of the performance security, or refunded if the successful bidder furnishes the full amount of performance security.

3) VENDOR REGISTRATION

The relaxation/exemption given to the registered vendors of the Nigam in respect of EMD/SBG, wherever appearing in the ITB, GCC & other Bidding documents, are hereby WITHDRAWN.

4) The indirect taxes i.e. Excise Duty, Service Tax, VAT/CST, Entry Tax etc. mentioned in G.C.C., may now be read as G.S.T.

5) In the clause no. 1.43 of GCC, the word appearing as “30 days” be substituted with “45 days.”

APPENDIX-I**PERFORMA OF BANK GUARANTEE FOR BID SECURITY**

(Bank Guarantee in lieu of Bid security on non-judicial Stamp Paper of Rajasthan State of 0.25% of the B.G value or Rs. 25,000/- , whichever is less)

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

- _____.
1. Whereas(name of the Bidder) (hereinafter called "the Bidder") has submitted its bid dated.....(date of submission of bid) for(name of contract/ Name of the material with Bid no.)(hereinafter called " the Bid").
 2. KNOW ALL PEOPLE by these presents that WE.....(name of bank) of(name of country), having our registered office at..... (addresses of bank) (hereinafter called "the Bank"), are bound unto..... (name of Purchaser) (hereinafter called " the Purchaser") in the sum of Rs.*_____ for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank thisday of20.....
 3. THE CONDITIONS of this obligation are:
 - (i) If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder in the Bid Form; or
 - (ii) If the bidder refuses to accept the correction of error in his Bid; or
 - (iii) If the Bidder, having been notified of the acceptance of its Bid by the purchaser during the period of bid validity:
 - (a) Fails or refuses to execute the Contract Agreement within the time specified in purchase/work order, if required, or
 - (b) Fails or refuses to furnish the performance security within the time specified in purchase/work order in accordance with the GCC, or
 - (c) Fails to commence supply of goods or services or execute work as per purchase/work order within time specified.
 - (iv) If the bidder breaches any provision of the Code of Integrity specified in the RTPP Act and Chapter VI of the RTPP Rules.
 4. We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the three conditions specifying the occurred condition or conditions.
 5. The decision of the CHIEF ENGINEER (MM), AJMER VIDYUT VITRAN NIGAM LIMITED, AJMER shall be final whether breach has been committed on the right to demand the amount of guarantee from us which has accrued to the purchaser.

- 6. This guarantee shall not cease or determine, if the purchaser grants time or indulgence or vary the terms of the contract with the Contractor or without our consent or knowledge.
- 7. The guarantee herein contained shall not be affected by any change in the constitution of the Contractor.
- 8. We.....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.
- 9. All disputes arising under the said guarantee between the Bank and the Nigam or between the Contractor and the Nigam pertaining to the guarantee, shall be subject to the jurisdiction of Courts in AJMER, Rajasthan alone.
- 10. This guarantee will remain in force up to and including one hundred eighty (180) days after the date of the opening of bids, i.e. up to, with a further grace period of Ninety (90) days and any demand in respect thereof should reach the Bank not later than the above date.

Yours faithfully,
Bankers (EXECUTENT)

Signed by the above named Bank in presence of :-
(Signature with full Name and Address)

Witness :

- 1. _____
- 2. _____

Attested by Notary Public, First Class Magistrate or directly confirmed by the executing bank.

* The Bidder should insert the amount of the guarantee in words and figures denominated in the currency of bid.

Note1 :- In case the bid is submitted by a Joint Venture, the Bid Bank guarantee shall be in the name of Lead partner or in the name of joint venture partners submitting the Bid covering all the partners of the joint venture.

Form B

Format of Affidavit for MSME Unit

(On Non-Judicial Stamp Paper of Rs. 100/- attested by Notary Public/ First Class Magistrate)

TN-1304

IS/oAge Yrs. Residing at
..... Proprietor/Partner/ Director of M/s do hereby solemnly
affirm and declare that :

(a) My/Our above noted enterprise M/s has been issued acknowledgement of
Entrepreneurial Memorandum Part - II by the District Industries Center
..... The acknowledgement No. is dated and has
been issued for manufacture of following items:

Name of Item	Production Capacity (Yearly)
(i)	
(ii)	
(iii)	
(iv)	
(v)	

(b) My/Our above noted acknowledgement of Entrepreneurial Memorandum Part - II has not
been cancelled or withdrawn by the Industries Department and that the enterprise is
regularly manufacturing the above items.

(c) My/Our enterprise is having all the requisite plant and machinery and is fully equipped to
manufacture the above noted items.

(d) The present status of the firm is as per acknowledgment of Entrepreneurial Memorandum
Part-II issued on the date of District Industries Center, _____.

Place

Signature of Proprietor/ Director/

Authorized Signatory with Stamp and Date

VERIFICATION

I, _____ S/o _____ Aged ____ Years residing
at _____ Proprietor/ Partner/ Director of M/s
_____ verify and confirm that the contents at

(a), (b), (c) & (d) above are true and correct to the best of my knowledge and nothing has been
concealed therein. So, help me God.

DEPONENT

Appendix-III

	<p style="text-align: center;">AJMER VIDYUT VITRAN NIGAM LIMITED (MATERIAL MANAGEMENT WING) Corporate Identification Number (CIN) – U40109RJ2000SGC016482 Reg. Off. Vidyut Bhawan, Panchsheel Nagar, Makadwali Road, Ajmer-305004</p> <p style="text-align: center;">Phone: 0145-2644529, Fax: 0145-2644542, E-Mail: semmajm.avvnl@rajasthan.gov.in xen1mmajm.avvnl@rajasthan.gov.in aen2mmajm.avvnl@rajasthan.gov.in Website – http://energy.rajasthan.gov.in/avvnl</p>
---	--

**DETAILS OF BANK FOR RTGS
FOR FURNISHING BID SECURITY/BANK GUARANTEE**

1.	Account No.	61186312571
2.	Account Holder Name	Sr. Accounts Officer (EA & Cash)
3.	Bank Name & Branch	State Bank of India Collectorate Branch, Jaipur (Rajasthan)
4.	IFS Code	SBIN0031026
5.	Phone No. of Sr. Accounts Officer (EA & Cash) AVVNL Ajmer	0145-2642532
6.	Email ID of Sr. Accounts Officer (EA & Cash) AVVNL Ajmer	sraoecash313@gmail.com
7.	GSTIN of Ajmer Discom	08AACCA8562EIZP

Bidders are requested to furnish following details:

- 1. Name of Firm :**

- 2. Office Address :**

- 3. Work's Address :**

- 4. Email Address :**

- 5. Phone / Mobile No. :**

- 6. Fax No. :**

- 7. Name of Firm's representative :**

- 8. Contact No. of Firm's representative :**

APPENDIX-V

Declaration by the Bidder

In relation to my/ our bid submitted to SE (MM), AVVNL, Ajmer, For procurement of _____ in response to their notice inviting bids under TN-1304 I/We hereby declare under section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that : -

1. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the bidding document issued by the procuring entity.
2. I/We have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the bidding document.
3. I/We are not insolvent, in receivership, bankrupt or being wound up, not have my/ our affairs administered by a court or a judicial officer, not have my/ our business activities suspended and not the subject of legal proceeding for any of the foregoing reasons.
4. I/We do not have, and our directors and officers not have, been convicted of any criminal offence related to my/ our professional conduct or the making of false statements or misrepresentations as to my/ our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings.
5. I/We do not have a conflict of interest as specified in the Act, Rules and the bidding document, which materially affects fair competition.

Date :
Place :

Signature of bidder
Name :
Designation :
Address :

Annexure-VI

UNDERTAKING FOR CA CERTIFICATE

(TO BE FURNISHED ON NON-JUDICIAL STAMP WORTH Rs.100/- & DULY NOTARIZED)

I/WE UNDERTAKE THAT THE CA CERTIFICATE SUBMITTED AS PER THE REQUIREMENT OF PRE-QUALIFICATION REQUIREMENTS, FOR ADJUDGING THE PAST SUPPLIES , UNDER THE SUBJECT TENDER, **TN-1304**, IS CORRECT AND I , UNDERSIGNED WILL BE SOLELY RESPONSIBLE FOR ANY DEVAITION/ DISCREPANCY/IN-CORRECT INFORMATION , IF EVER NOTICED IN THE CA CERTIFICATE.

FURHER, IN CASE, IF ANY DEVAITION/DISCREPANCY/IN-CORRECT INFORMATION IS NOTICED IN THE CA CERTIFICATE FURNISHED WITH THE BID, AT ANY STAGE DURING PROCESSING/ CURRENCY OF TENDER, DISCOM CAN TAKE THE ACTION AGAINST THE FIRM M/s _____AS

PER THE RULES & REGULATIONS.

(SIGNATURE)
NAME & DESIGNATION
WITH SEAL OF THE
BIDDER.