

**JODHPUR VIDYUT VITARAN NIGAM LIMITED  
(MATERIAL MANAGEMENT & CONTRACT)****NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR -342003****TELEPHONE: 0291-2742223/ FAX: 0291-2746539/E-mail-semmcjdvvnl@gmail.com****Corporate Identity Number (CIN)-U40109RJ2000SGC016483 GST No. 08AAACJ8578R1ZJ****TENDER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAI/TN-1558**

Tenders are hereby invited in e-tender system for purchase of **HARDWARE FOR LT SHACKLE INSULATORS.**

Tenders are to be submitted online in electronic format on website <http://eproc.rajasthan.gov.in>.

The details are as under-

S.No.	Name of Item	Quantity
1	<b>HARDWARE FOR LT SHACKLE INSULATORS</b>	<b>1,09,690 NOs</b>

<b>A</b>	NIT No.	<b>TN-1558</b>
<b>B</b>	Cost of tender specifications	<b>Rs.2950.00 (Two Thousand Nine Hundred Fifty Only) ( 50% for MSME )</b>
<b>C</b>	Processing fee of RISL	<b>Rs.1000.00 (One Thousand Only)</b>
<b>D</b>	Bid security to be deposited	<b>General Bidder : Rs 78,976.80 Sick Unit of Rajasthan : Rs 39,488.40 SSI unit of Rajasthan: Rs. 19,744.20</b>
<b>E</b>	Validity	<b>120 days from the next date of opening of techno-commercial bid.</b>
<b>F</b>	Base date for price variation	<b>1<sup>st</sup> day of one month prior to the date of opening of technical bid.</b>

**\*In case SSI unit of Rajasthan quotes quantity less than the tendered quantity, then they are required to furnish Bid security @ 0.5% of the estimated value of the quantity offered by them, failing which bid shall be considered non-responsive.**

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.

**IMPORTANT DATES**

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 09.07.2019 (06:00 PM)	<a href="http://www.jdvvnl.com">www.jdvvnl.com</a> & <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
2	Deposit of cost of Tender Specifications & Earnest Money and furnishing of Processing fee	Up to 09.07.2019 (04:00 PM)	Office of Sr. A.O (Cash & CPC) / SE (MM&C), JdVVNL , New Power House, Industrial Area, Jodhpur
3	Last Date & time of submission of electronic bid	Up to 10.07.2019 (12:00 PM)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
4	Opening of Technical Bid	10.07.2019 03:00 PM)	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	<a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>

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1. Tender documents will be made available on e-Tendering portal [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) The bidders, in their own interest are requested to read very carefully the tender document before submitting the bid only through online on website [www.eproc.rajasthan.gov.in](http://www.eproc.rajasthan.gov.in) . The bidders can download bid up to 04:00 p.m. one day prior to schedule date of opening of respective bid mentioned above documents and submit their bids online up to 12:00 p.m. on schedule of respective bid mentioned above.
2. Eligible bidders should submit their bid well in advance instead of waiting till last date JdVVNL will not be responsible for non-submission of bids due to any website related problems.
3. The cost of Tender specification **Rs.2950/-** (Non-Refundable) to be paid by Demand Draft in Favour of the Sr. Accounts officer(Cash & CPC), JdVVNL, Jodhpur and tender processing fees Rs. **1000/-** shall be payable by demand draft in favour of The Managing Director RISL, Jaipur ( Non- Refundable). The bidders are required to deposit all these payments in the office of the SE(MM&C), JdVVNL, Jodhpur up to 4.00 PM one day prior to date of tendering otherwise their bids are liable to be rejected.
4. The Bid Security amount (as applicable) to be paid by demand draft/banker's cheque in favour of SR.AO(CASH & CPC), JdVVNL, Jodhpur (Payable at jodhpur) 342003 **up to 4.00 p.m upto one WORKING day prior to schedule date of opening** of respective bid or Bank guarantee, in specified format, of a scheduled bank in favour of superintending Engineer (MM&C), JdVVNL, Jodhpur **up to 4.00 p.m. up to one WORKING day prior to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable). Along with affidavit as per schedule X on non-judicial stamp of Rs. 100.  
The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee is not in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately sorted out from bid process.

### SECTION-III

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#### TECHNICAL SPECIFICATION FOR GALVANISED HARDWARE FITTINGS FOR L.T. SHACKLE INSULATORS FOR USE ON L. T. DISTRIBUTION OVERHEAD POWER LINES UNDER TN-1558

#### 1.0 SCOPE:

**1.1** This specification provides for the design, manufacture, inspection and testing before dispatch, supply and delivery of Hardware fittings for L. T. Shackle Insulators specified herein for their satisfactory use & operation on various distribution overhead power lines of the State.

**1.2** It is not the intent to specify completely herein all the details of the design and construction of equipment. However, the equipment shall conform in all respect to high standards of engineering, design and workmanship and shall be capable of performing in continuous commercial operation up to the bidder's guarantee, in a manner acceptable to the purchaser, who will interpret the meanings of drawings and specification and shall have the power to reject any work or material which in his judgment is not in accordance therewith. The offered equipment shall be complete with all components necessary for their effective and trouble free operation. Such components shall be deemed to be within the scope of bidder's supply irrespective of whether those are specifically brought out in this specification and / or the commercial order or not.

#### 2.0 CLIMATIC CONDITIONS:

The Hardware fittings shall be suitable for being installed directly in air with power conductors L.T. single circuit/double circuit overhead distribution lines. These items, therefore, shall be suitable for satisfactory operation under the tropical climatic conditions listed below:

1.	Location	In the state of Rajasthan
i)	Maximum ambient air Temperature (deg.C)	50
ii)	Maximum Temperature attainable to an object exposed to sun (deg.C)	60
iii)	Minimum Ambient air Temperature (deg.C)	(-) 5.0
iv)	Average daily ambient air Temperature (deg.C)	40.0
v)	Maximum relative humidity (%)	100
vi)	Average rainfall per annum (mm)	100-1000
vii)	Average Number of rainy days per Annum	70
viii)	Maximum altitude above mean sea level (meters)	1000
ix)	Isoceraunic level (Days/Annum)	40
x)	Maximum wind pressure (Kg/sq.m.)	195
xii)	Seismic level	0.33 g

#### 3.0 PRINCIPAL PARAMETERS:

The material shall conform to the following specific parameters:

S.No.	Item	Specification
1.	Type of Installation	Outdoor
2.	System Voltage	415 Volt (+10%, -15%)
3.	System frequency	50 Hz, + 5%

4.	Number of phases	Three
5.	System of earthing	Solidly grounded.

#### 4.0 **DETAILS OF ITEMS:**

The shackle insulator hardware fittings shall be suitable for use on single phase/three phase, 230/440 Volts overhead distribution lines in a moderately polluted atmosphere.

#### 5.0 **GENERAL TECHNICAL REQUIREMENTS:**

##### 5.1 **GALVANISED HARDWARE FITTINGS FOR L.T. SHACKLE INSULATORS:**

**5.2.1** The hardware fittings for L.T. Shackle Insulators shall comply in all respects, herein otherwise stated, with fig.3, type-1 of IS: 7935/1975 (latest amended). The hardware fittings assembly shall comprise the following:

- i) A pair of mild steel straps,
- ii) Two numbers of mild steel bolts with hexagonal head,
- iii) Two numbers of mild steel nuts of hexagonal head to suit bolts under item (ii) above &
- iv) Two numbers suitable washers.

**5.2.2 DIMENSIONS:** The dimensions of hardware fittings for L.T. shackle insulators for supply under this specification shall conform to figure 3, type 1 of IS:7935/1975 (latest amended) and shall have the following dimensions:

S.No.	Item	Dimensions
i)	Length of straps	185 mm
ii)	Width of straps	30 mm
iii)	Thickness of straps	3 mm
iv)	Diameter of holes at the end of straps	14 mm
v)	Dia. of bolts	12 mm
vi)	Length of bolts	115 mm
vii)	Dia.of bolt head	17 mm
viii)	Thickness of bolt head.(M-12)	
a	Nominal	7.5 mm
b	Maximum	7.95 mm
c	Minimum	7.05 mm
ix	Thickness of nuts	
a	Maximum	12.2 mm
b	Minimum	10.4 mm
x	Shape of bolt head& nuts	Hexagonal
xi	Length of threaded portion of bolts.	65 mm
xii	Thickness of galvanized spring washer (M-12)	3 mm + 0.15 MM
xiii	Weight of complete hardware fitting set.(approx.)	0.475 Kgs.± <b>2% Tolerance</b>

**5.2.3 HEXAGONAL NUTS :** Hexagonal Nuts of M-12 size shall be used & shall conform to IS:1363(Part-3):1992 (latest amended). The nuts shall be made of material conforming to class 4.8 of IS: 1367 (Latest amended) with regard to its mechanical properties. The thickness of the hexagon nuts shall be in accordance with IS:1363 (Pt-3)/1984 (Latest amended). The screw threads on the shank and the nut shall be as prescribed in IS: 4218 (Pt-6)/1978 (Latest amended).

**5.2.4 SPRING WASHERS:** Spring washers of 3.0 mm thickness of M-12 size shall be used which should conform to IS: 3063:1994 (Latest amended).

**5.2.5 Galvanisation:** The Hardware fittings shall be hot dip galvanised. The galvanisation of Hardware fittings shall conform to IS:2633/1972 (latest amended). The threads of nuts and tapped holes shall be cut after galvanisation and shall be well oiled or greased. Small parts like nuts and spring washers etc. may be electro-galvanised in accordance with IS:1573/1970 (latest amended)

### **5.3 IDENTIFICATION & MARKING:**

**5.3.1** The hardware fittings for shackle insulators shall be marked with the manufacturer's name or trade mark.

**5.3.2** The package containing the insulator fittings may also be marked with the ISI certification mark if available.

### **6.0 TESTS:**

**6.1 TEST BEFORE DESPATCH:** The Galvanised Hardware fittings for L.T.shackle insulators shall be subjected at manufacturer's works before despatch, to the tests mentioned here-under as per IS: 7935/1975 (latest amended).

#### **6.1.1 ROUTINE TESTS:**

The following tests shall be conducted on each unit by the bidder at his works as per relevant standard - IS:7935/1975 (latest amended) :

- a) Visual Examination (Clause-4.4)

#### **6.1.2 ACCEPTANCE TESTS:**

The following tests shall be conducted on samples taken at random from a lot as per relevant standard, IS:7935/1975 (latest amended) in presence of purchaser's representative :

- a) Checking of threads on heads (Clause 4.6)
- b) Galvanizing / Electroplating test (Clause 4.7)
- c) Verification of dimensions (Clause 4.5)
- d) Mechanical Strength Test (Clause 4.8)

### **6.2 TYPE TESTS**

a) The bidder shall furnish valid and authenticated type test certificate from a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC i.e. International Laboratory Accredited laboratory / ILAC i.e International Laboratory Accrediation Cooperation (In case of foreign laboratory) . Such type test certificates should not be older than **five years** as on the date of bid opening. For this purpose date of conduction Type Test(s) will be considered.

b) The type test certificates by in house laboratory of bidding firm even if it is a Govt approved/ Govt recognized/ NABL accredited/ ILAC accredited,shall not be accepted, in case of their own bid. This will not apply if bidding firm is Govt. Company/ Public Sector Undertaking.

c) 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)

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

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

f) 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 certificates from a Govt/ a Govt. approved/ a Govt. recognized/ NABL accredited laboratory/ ILAC accredited shall be furnished from first lot (without asking for 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 value as detailed below. The initial validity of BG shall be 9 months with claim period of 3 months in addition

<b>Amount of Bank Guarantee in lieu of type test</b>	
<b>For Rajasthan based firms</b>	<b>For Outside Rajasthan based firms</b>
<b>Rs. 12,500/-</b>	<b>Rs. 50,000/-</b>

- i) Where a new Rajasthan based firm is participating & is technically competent.
- ii) Where one or more type test(s) is/ are older than 05 years.
- iii) Where Rajasthan/outside Rajasthan firm furnishes requisite type test reports of higher rating material

**6.2.1** The following shall constitute the type tests which are to be conducted on at least three units of each rating as per standard IS: 7935/1975 (Latest amended) and other relevant standards:-

- a) Visual examination test (Clause 4.4).
- b) Verification of dimensions (Clause 4.5)
- c) Checking of threads on heads (clause 4.6)
- d) Galvanizing/electroplating test (Clause 4.7)
- e) Mechanical strength tests (Clause 4.8) (for pins only)

**6.2.2** However, the purchaser reserves the right to demand repetition of some or all the type tests in presence of purchaser's representative. For this purpose, the bidder should indicate unit rates for carrying out such type tests. These test charges shall not be taken into consideration for bid evaluation.

**6.3 SAMPLING:** As per IS: 7935/1975 (latest amended)

**6.4 TOLERANCE ON TEST RESULTS:** The tolerance for dimensions when not indicated in the drawing i.e. fig. 3 of IS: 7935/1975 (Latest amended) Hardware Fittings for L.T.Shackle Insulators, shall be  $\pm 5\%$ .

#### **6.5 TESTS AT SITE:**

The purchaser reserves the right to conduct all tests on Hardware fittings after arrival at site / store and the contractor shall guarantee test certificate figures under actual service conditions.

#### **6.6 TESTING FACILITIES:**

The bidder must indicate clearly about the various testing facilities for the acceptance tests as well as routine tests as per relevant ISS as are available at their works. In case no testing facilities are available at the bidder's works, particulars of the place where such testing is proposed to be conducted during the course of inspection must be indicated.

#### **7.0 INSPECTION**

**7.1** All the tests as mentioned at Clause 6.1.1 & 6.1.2 for pre-despatch inspection shall be made at the place of manufacturer unless otherwise especially agreed upon by the bidder and purchaser at the time of purchase. The bidder shall afford the inspection 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.

**7.2** The Inspection may also be carried out by the purchaser at any stage of manufacture/ before despatch as per relevant standard.

**7.3** 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.

**7.4** The purchaser reserves the right to insist for witnessing the acceptance/ routine testing's of the bought out items.

**7.5** 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.

### **8.0 DOCUMENTATION:**

**8.1** The Bidder shall furnish full description and illustrated catalogues of material offered alongwith the bid.

**8.2** The Bidder shall also furnish alongwith the bid the outline drawing of hardware fittings as per reference fig. of relevant ISS.

### **8.3 TEST REPORTS:**

**8.3.1** Two sets of type test reports duly approved by the purchaser shall be submitted by the supplier for distribution before commencement of supply. Adequate copies of acceptance & routine test certificate, duly approved by the purchaser shall accompany the dispatched consignment.

**8.3.2** All records of routine test reports shall be maintained by the Supplier at his works for periodic inspection by the Purchaser.

**8.3.3** All test reports of tests conducted during manufacture shall be maintained by the Supplier. These shall be produced for verification as and when requested for by the Purchaser.

### **9.0 PACKING & FORWARDING:**

**9.1** All insulator fittings shall be packed in double bags, one HDP bag (inner) and one gunny bag (outer) or in double gunny bag. The gross mass of the each packing shall not normally exceed 50 Kg.

**9.2** The packing shall be of sufficient strength to withstand rough handling during transit, storage at site and subsequent handling in the field.

### **10.0 DELIVERY SCHEDULE:**

The bidder is required to quote monthly delivery in Schedule-VIII. The delivery of quoted quantity should be **commenced after 30 days from the date of receipt of purchase order and shall be completed in 05 (Five) months thereafter at equal monthly installments.** However, you can offer the material even earlier and at a higher / faster rate. Delivery will not be linked with either acceptance of type test reports or approval of drawings. The month of commencement and completion should be expressed precisely.

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

### **11.0 PRICES AND 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 & H/W containing all steel as under, shall hold good for Hardware fittings for L.T.shackle insulators with **base date 1<sup>st</sup> day of one month prior to the date of opening of technical bid.**

$$P = \frac{Po}{100} (20 + 58 \frac{SBIR}{SBIRo} + 7 \frac{Zn}{Zno} + 15 \frac{W}{Wo})$$

The details of this PV clause are available at (Schedule-II).

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).

## 12.0 TEST CHECKING OF MATERIAL AT STORES

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

### 12.1 SAMPLING

One sample out of each sub-lot / lot of **3000** Nos. or part thereof from each inspected lot received in stores shall be selected for test checking of material and shall be got tested. The sample selection shall be done in the presence of supplier or his authorized representative for which 7 days notice shall be given to the supplier.

### 12.2 TESTS

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

- a) Visual Examination, Verification of Dimension, weight and marking.
- b) Mechanical Strength Test ( for LT Pins only).
- c) Galvanisation (Uniformity) Test.

Only that test shall be conducted at CTL for which facility with CTL is available.

**12.2.2** Test of the material shall be got done at the test laboratory of the NIGAM or any other test laboratory designated by the Chief Engineer (MM). For witnessing of the testing, 7 days notice shall be given to the supplier 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 taken as per the contract.

**12.2.3** 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.

## 13. CRITERIA FOR ACCEPTANCE

### 13.1 Visual Examination, Verification of Dimension, weight and marking.

As per specification/ ISS

### 13.2 Mechanical Strength Test (for LT Pins only)



In case of failure of sample in Mechanical 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.

### **13.3 Galvanisation (Uniformity) Test.**

**13.3.1.** 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 Galvanization 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.

**13.3.2** 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 Galvanization Test with (n-1) dips, then material pertaining to relevant lot / sub-lot shall be accepted with a deduction @ 10% of cost of material.

**13.3.3** If the sample has passed the uniformity of Galvanization 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 Galvanization Test with `n' dips, then the material pertaining to relevant lot/ sub-lot shall be accepted with a deduction @ 5% of cost of material.

**13.3.4** 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.

### **14.0 TEST CHARGES:**

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

### **15.0 PAYMENT:**

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

### **16.0 Quantity tolerance:**

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

**17.0. GST: -** GST registration number of Jodhpur Discom is 08AAACJ8578R1ZJ.

**As GST act has been implemented from 01.07.17, therefore, BOQ has been prepared accordingly with applicability of GST. Further, old tax structure wherever appearing in ITB, GCC, specification may be replaced by GST as per notification.**

### **18.0 ADDITIONAL ORDER**

Repeat order for additional quantities upto 50% of original ordered quantities , may be placed by the Nigam on the same rates ,terms and conditions given in the contract.

**19.0 Every Micro, Small & Medium enterprises of Rajasthan shall be required to submit an affidavit in schedule-X, along with duly filled bid document.**

**TN-1558**

**SCHEDULE - 1**

**SCHEDULE OF REQUIREMENT**

<b>S.No.</b>	<b>Name of Item</b>	<b>Quantity</b>
<b>1</b>	Hardware Fittings for LT Shackle Insulator .	<b>1,09,690Nos.</b>

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

**SCHEDULE-II****PRICE VARIATION CLAUSE FOR HARDWARES FOR LT SHACKLE INSULATORS.**

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) Hardware containing both **aluminum & steel**

$$P = \frac{Po}{100} (20+40 \frac{Al}{Alo} + 5 \frac{Zn}{Zno} + 20 \frac{SBIR}{SBIRo} + 15 \frac{W}{Wo})$$

(B) Hardware containing only **aluminium** :

$$P = \frac{Po}{100} (20+65 \frac{Al}{Alo} + 15 \frac{W}{Wo})$$

(C) Hardware containing only **steel**:

$$P = \frac{Po}{100} (20+58 \frac{SBIR}{SBIRo} + 7 \frac{Zn}{Zno} + 15 \frac{W}{Wo})$$

Wherein:

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

Po = Price quoted/confirmed.

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

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

SBIRo = Price of Steel Billets-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)/TL-A&H/2001(r-3) of the Month of **Dec, 2016**.

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.

SBI<sub>Ro</sub> = 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,2014, the applicable price of Aluminum (Al) ,Zinc (Zn) and Steel Billets-Retail (SBI) should be for the month May,2014 and all India average consumer price index number (W) should be for the month of March,2014 .

**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).**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

**Prescribed technical specification for supply of Hardware for LT Shackle Insulator**

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

**SCHEDULE – III**

S.No.	Technical specification to which material/equipment/ Machinery/T&P shall confirm	Name of IS/other standard specification to which material should	Other particulars if any. confirm
1	Specification for Insulator fittings for overhead power lines with a nominal voltage upto and including 1000 V	IS:7935/1975	
2.	Methods of testing weight, thickness & Uniformity of coating on Hot Dip Galvanised articles.	IS:2633/1986	
3.	Specification for electroplated coating of zinc on iron and steel	IS: 1573/1986	
4.	Specification for Zinc	IS: 209/1992	
5.	Specification for porcelain insulators for overhead power lines with a nominal voltage upto and including 1000 V.	IS: 1445/1977	
6.	Specification for carbon steel forgings for general engineering purposes.	IS: 2004/1991	
7.	Technical supply conditions for threaded fasteners.	IS: 1367 Pt-I/1980 Pt-II/1979 Pt-III/1991	
8.	Specification for insulator fittings for overhead power lines with a nominal voltage greater than 1000 V - General requirements & tests.	IS:2486(Pt.I)/ 1993	
9.	Recommended practices for hot dip galvanizing of iron & steel.	IS:2629/ 1985	
S.No.	Technical specification to which material/equipment/ Machinery/T&P shall conform	Name of IS/other standard specification to which material should	Other particulars if any. conform

- 10. Fastners - single coil rectangular section spring lock washers. IS:3063/1994
- 11. Specification for Hexagon Head Bolts, Screws & Nuts of product grade 'C'. IS:1363/ 1992(Pt.I/II/III)
- 12. ISO Screw Threads-Limit of size for commerceal bolts & nuts (diameter range 1 to 39 mm) IS:4218 (Pt.VII)/ 1978

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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:-

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

**SCHEDULE-III**

**PRE-QUALIFICATION REQUIREMENT**

**PRE-QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF HARDWARE FOR LT SHACKLE INSULATORS**

The bidder should fulfill following qualification requirements for successful participation in the bid 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 manufacturer of offered item. The offers from authorized dealer/ sole selling agent/sole distributor 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 and performance criteria:**

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

**2.01) PAST SUPPLY**

- 2.01.1 The bidder is required to quote for minimum **10%** of tendered quantity failing which 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.

**3. PERFORMANCE CRITERIA**

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

**4. TYPE TEST CRITERIA**

- a) 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.

The type test certificates by in house laboratory of bidding firm even if it is a Govt approved/ Govt recognized/ NABL accredited Laboratory / ILAC accredited, shall not be accepted, in case of their own bid.

- b) 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).
- c) The type test certificates shall be furnished either in original or duly attested by notary.
- d) The bids of only those bidders shall be considered to be meeting the type test criteria who furnishes complete type test certificates with the bid as per above provision.
- e) However, in following cases the Bidder is not in a position to furnish Type Test Certificate as mentioned above, 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. approved / Govt. recognized / NABL Accredited laboratory / ILAC Accredited laboratory shall be furnished from first lot received in Nigam store (without asking any delivery extension) along with bank guarantee **with the technical bid** from a Nationalized / Scheduled Bank in prescribed Performa at Schedule-III B or DD / Pay Order amounting to value as detailed below .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/out side Rajasthan firm furnishes requisite type Test report of higher rating material.**

**The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type Test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the Type Test BG issued on or after opening of technical bid shall not be accepted**

<b>Amount of Bank Guarantee in lieu of type test</b>	
<b>For Rajasthan based firms</b>	<b>For Outside Rajasthan based firms</b>
Rs. 12,500/-	Rs. 50,000/-



## 5. POOR RECORD OF PERFORMANCE AND DELIVERY

The bidders who have been black listed in any of state discom or with whom business relations have been severed by Jodhpur 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

### 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, pilfering or unauthorized use or disposal of Nigam's material issued for specific work etc.

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

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

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

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

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

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

### (B) Severment of Business relation:

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

- (i) The supplier continuously refuses to pay Nigam dues without showing adequate reasons and where the purchasing authority is satisfied that no reasonable dispute attracting reference to Settlement Committee or Court of Law exists for the supplier's action of non-supply.
- (ii) When vendor does not accept LOI/detailed purchase order awarded on its accepted prices and terms & conditions or does not comply with the contractual formalities.
- (iii) When vendor/supplier who otherwise completed contractual formalities but does not commence supplies on the date of opening of technical bid of the fresh tender/completion of schedule delivery period whichever is later.

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

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

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

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

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

#### **(C) DEBARMENT**

Reasons on which Debarment can be made:-

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

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

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

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

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

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

#### **6.0 APPEALS AND APPLICATIONS:-**

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

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

- I) The bidder shall clearly indicate the deviations such as 'Technical Deviation & Commercial Deviations' in the prescribed proforma only. The deviations indicated elsewhere in the bid shall not be accepted.
- II) The bidder must clearly fill up each and every particular of guaranteed technical particulars annexed with Technical Specifications otherwise he will be responsible for Technical Non-responsiveness.
- III) All documents required in the prescribed format are to be furnished along with the bid itself only except an attested copy of BIS license (wherever it is required), failing which the bid will be summarily rejected.
- IV) The bidder should possess adequate testing facilities for carrying out routine & acceptance test of items as per relevant standard(s) at their works. The bidder shall furnish documentary evidence in support for conducting routine & acceptance test
- v) The date of conducting type test shall be before the date of opening of Technical Bid. The date of issuing of type Test Bank Guarantee in lieu of non-furnishing of Type Test reports shall be before the date of opening of technical bid & the Type Test BG issued on or after opening of technical bid shall not be accepted.
- VI) 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&C),  
Jodhpur Vidyut Vitran Nigam Limited,  
New Power House Premises,  
Industrial Area,  
Jodhpur -342003.

Dear Sir,

Whereas Jodhpur Vidyut Vitran Nigam Limited , Jodhpur ( 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&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur 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&C), Jodhpur 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 JODHPUR 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&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur.

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****TN-1558****ITEM - HARDWARE FOR LT SHACKLE INSULATORS.****Must be filled in by the bidder and attached with Technical Bid**

To,  
The Superintending Engineer (MM&C),  
Jodhpur Vidyut Vitran Nigam Limited,  
Jodhpur.

Dear Sir,

With reference to your invitation to bid against specification No. **JdVVNL/SE (MM&C)/EIIAII/TN-1558**, we agree to supply the following quantity:

<b>S. No.</b>	<b>Particulars of Items</b>	<b>Bid Quantity (Nos.)</b>	<b>Qty. Offered (Nos.)</b>	<b>Justification of quantity offered as per Qualifying Requirement</b>
<b>1.</b>	<b>2.</b>	<b>3.</b>	<b>4.</b>	<b>5.</b>
1	<b>HARDWARE FOR LT SHACKLE INSULATORS</b>	<b>109690 Nos.</b>		

1. The offer is valid for a period of 120 days from the next date of opening of Techno-Commercial Bid.
2. The prices are variable with base date **1<sup>st</sup> day of one month prior to the date of opening of technical bid.**
3. It is noted that the quantity as mentioned in the specification are approximate and we agree to supply any quantity as per your requirement.
4. The delivery shall strictly be in accordance with our delivery schedule as given in Schedule – VIII of this specification. In case we fail to deliver the materials as indicated in the clause No.1.23 of GCC (Schedule-II), we are liable to pay recovery for delay in delivery as per clause No.1.24 of this Schedule-II of this specification. The material shall conform to your specification No. **JdVVNL/SE (MM&C)/EIIAII/TN-1558** and as per relevant ISS in all respect.
5. We confirm that we agree to all the terms & conditions as well as the technical stipulation of your specification No. **JdVVNL/SE (MM&C)/EIIAII/TN-1558** and there are no deviations other than as specified in the Schedule-III, V & VI (A & B).

**Yours faithfully,**

**Signature of bidder with stamp  
Dated**

**SCHEDULE – V**  
**TN-1558**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

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

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

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

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S.No.	Particulars of technical & other Performance data	Reasons for deviations/departure.
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**(Signature)**

Name & Designation  
with seal of the bidder.

TN-1558

**SCHEDULE-V-A****GUARANTEED TECHNICAL & OTHER PARTICULARS OF L.T.SHACKLE  
HARDWARE FITTINGS AGAINST TN-1558**

<b>S.</b>	<b>Description</b>	<b>Particulars</b>
1.	MANUFACTURER'S NAME & ADDRESS :	
i)	OFFICE	
ii)	WORKS	
2.	STANDARD SPECIFICATION TO WHICH THE H/W FITTINGS SHALL CONFORM	IS:7935/1975 (FIG.3) LATEST & OTHER RELEVANT ISS
3.	DIMESIONS OF H/W FOR L.T SHACKLE INSULATOR:	
A)	LENGTH OF STRAPS	185 MM
B)	WIDTH OF STRAPS	30 MM
C)	THICKNESS OF STRAPS	3 MM
D)	DIAMETER OF HOLES AT THE END OF STRAPS.	14 MM
E)	LENGTH OF BOLTS	115 MM
F)	DIAMETER OF BOLTS	12 MM
G)	DIAMETER OF BOLT HEAD	17 MM
H)	THICKNESS OF BOLT HEAD	8 MM
I)	THICKNESS OF NUTS	
i)	MAXIMUM	12.2 MM (M12)
ii)	MINIMUM	10.4 MM
J)	SHAPE OF BOLT HEAD & NUT	HEXAGONAL
K)	LENGTH OF THREAD PORTION OF BOLT.	65 MM
L)	GALVANISED SPRING WASHER THICKNESS.(M12 SIZE)	2.5 MM + 0.15 MM
4.	TOLERANCE ON VARIOUS DIMENSIONS	± 5%
5	WEIGHT OF COMPLETE H/W SET	0.475 KG (APPROX.) ± 2% Tolerance
6	TYPE OF GALVANISATION	
i)	STRAPS	HOT DIP GALVANISED
ii)	BOLTS	HOT DIP GALVANISED
iii)	NUTS & SPRING WASHERS	HOT DIP/ELECTRO-GALVANISED.THE MIN. LOCAL THICKNESS OF ELECTROPLATED ZINC COATING SHALL BE 25 MICRON AS PER SERVICE GRADE NO.4 OF IS:1573/1986.
7.	MARKING	
8.	DETAILS OF PACKING	double bags, one HDP bag (inner) and one gunny bag (outer) or in double gunny bag
9.	ANY OTHER PARTICULARS WHICH THE TENDERER MAY LIKE TO GIVE.	

**SIGNATURE  
RUBBER SEAL & Date**



**SCHEDULE – VI (A)**  
**TN-1558**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

**DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION**

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

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

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

**SCHEDULE – VI (B)**  
**TN-1558**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

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

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

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

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

**SCHEDULE – VII  
TN-1558****JODHPUR 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 Nos..	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

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

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

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

**SCHEDULE-VIIIA**  
**TN-1558****TO WHOMSOEVER IT MAY CONCERN**

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

S.No	Financial year in which material supplied	Detailed Particulars of item(s) supplied	Name and particulars of purchasing authority	Order No. & date against which item(s) supplied	Unit	Ordered		Actual Supplied up to		Remarks
						Quantity	Value (Rs)	Quantity	Value (Rs)	
1	2	3	4	5	6	7	8	9	10	11

Signature  
With Seal of the Bidder

Signature of C.A  
Name & Designation  
Name :  
Address:

Date \_\_\_\_\_  
Place \_\_\_\_\_

**Membership No:**

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

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

**NOTE- AN UNDERTAKING FOR THE SAME BE FURNISHED AS DETAILED IN ANNEXURE-I**

**Note:- The CA Certificate should be furnished on the letter head of CA and 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**  
**TN-1558****JODHPUR VIDYUT VITRAN NIGAM LIMITED****DELIVERY SCHEDULE****PART - A**

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

<b>S.No</b>	<b>Particular Of Material</b>	<b>Commencement Period</b>	<b>Rate of Supply per Month</b>	<b>Period for Completion of delivery of Entire material</b>
1.	HARDWARE FOR LT SHACKLE INSULATORS	After 30 Days from the date of receipt of P.O	In equal monthly installment	05(Five) Months thereafter

**Note** – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. **Tenders in which monthly delivery schedule as above is not indicated, shall be considered as NON-RESPONSIVE.**

**PART - B**

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

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

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

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

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

**SCHEDULE - IX**  
**TN-1558**



**JODHPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

List of Equipments and Technical Hands Available with the Firm  
(To be filled in by the bidders & enclosed with the bid)

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

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

**(Signature)**

Name & Designation  
with seal of the bidder.

**SCHEDULE – X**

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

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**FORMAT OF AFFIDAVIT**

I \_\_\_\_\_ S/o \_\_\_\_\_ Aged \_\_\_\_\_ 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 Centre \_\_\_\_\_ . The acknowledgement No. is \_\_\_\_\_ dated \_\_\_\_\_ and has been issued manufacture of following items:

Name of Items	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.

Place \_\_\_\_\_

Signature of  
Proprietor/Director Authorized Signatory  
With Rubber Stamp and date

**Amendments in GCC & ITB**

- 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 non-responsive.**

The Bid Security amount (as applicable) to be paid by Demand Draft/Banker's Cheque in favour of SR. AO (CASH & CPC), JDVVNL, Jodhpur (payable at Jodhpur) 342003 **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid or Bank Guarantee, in specified format, of a scheduled bank in favor of Superintending Engineer (MM&C), JDVVNL, Jodhpur, **upto 4.00 p.m. upto one WORKING day prior to schedule date of opening** of respective bid and obtain a receipt/acknowledgement thereof. No other mode of deposit shall be accepted. At the time of depositing the Bid Security amount or Bank Guarantee, the bidder shall also furnish self attested and duly attested by Notary, the documentary evidence of SSI unit of Rajasthan or of sick unit (as applicable). along with affidavit as per schedule X on non-judicial stamp of Rs. 100/-

The Bank Guarantee against Bid Security be issued by Nationalized / Scheduled Bank. The same may be accepted after confirmation by issuing Bank. If any Bid Security Bank Guarantee is not in proper format / not confirmed by the issuing Bank the same would not be accepted and the bidder would be immediately shorted out from bid process.

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.

- 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) Performance security from the successful bidder shall be taken **5%** (of the amount of supply order in case of established suppliers)/ **1%** (of the amount of supply order in case



of Micro, Small & Medium scale industries of Rajasthan)/2%( of the amount of supply order in case of sick industries)/10% (of the amount of supply order in case of other suppliers). 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., ITB and other bidding document may now be read as G.S.T.**
- 5) The following amendment is hereby made in GCC Clause No. 1.43 (Due Date of Payment):

Payment shall be due and payable by the purchaser in accordance with the provision of the contract within a reasonable period from the date of receipt of each invoice by the contractor / supplier duly supported by a certificate of the Engineer. The purchaser will take all possible efforts to make payment to the contractor / supplier generally on **45th day** after receipt of duly verified challans / receipts / bill in the office of paying authority (Sr. Accounts Officer (Cash &CPC) Jodhpur Discom, Jodhpur / Concerned Circle Accounts Officer) and completion of contractual formalities. But in case of delay in payment the purchaser shall not be liable to pay any interest on the outstanding amount to the contractor / supplier

**APPENDIX-A**

Bank Guarantee No. \_\_\_\_\_.  
 Security Amount : \_\_\_\_\_.  
 Issued on dated : \_\_\_\_\_.  
 Valid upto : \_\_\_\_\_.  
 Claim upto / Grace period: \_\_\_\_\_.

**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&C),  
 Jodhpur Vidyut Vitaran Nigam Limited,  
 Jodhpur.

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. / TN No. \_\_\_\_ ) (hereinafter called "the Bid").
2. KNOW ALL PEOPLE by these presents that WE \_\_\_\_\_ (name and address of branch 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 this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.
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 unconditionally and irrevocably to guarantee as primary obligator and not as surety merely to pay to the purchaser a sum of Rs. \_\_\_\_\_ (in words Rs. \_\_\_\_\_) 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 above three conditions specifying the occurred condition or conditions.
5. The decision of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitaran Nigam Limited, Jodhpur 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 \_\_\_\_\_(Bank Name) further undertake not to revoke this guarantee during its currency except with the previous consent of the Superintending Engineer (MM&C), Jodhpur Vidyut Vitran Nigam Limited, Jodhpur.
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 the Courts in Jodhpur, 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. upto \_\_\_\_\_, 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 (EXECUTANT)  
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.

**Note :** 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.

**Appendix-B**

**IMPORTANT INSTRUCTION**

1. All the intending bidders are requested to submit hard copy of all the document(s), uploaded on the e-procurement web-portal, in a sealed envelop in the office of the SE (MM & C), JdVVNL, Jodhpur. This sealed envelop shall be opened on the same date of bid opening i.e. on website of e.proc.rajasthan.
2. **Bidders are requested to read the bid documents very carefully and upload their bid well in time. Please note that no further chance shall be given for attending shortcoming(s), if any and in the event of shortcoming in any tender document(s), the bid is likely to be rejected.**
3. At the time of accepting counter offer given or at the time of negotiation, bidders change the quantity of original offer & give the conditional acceptance of counter offer which is not in accordance with RTPP rules and Act therefore Negotiation with the bidders or counter offer given to bidder shall be accepted in terms of price only. Restriction on quantity to be supplied or any other conditional offer shall not be accepted. If any conditional offer is given then that bidder shall be treated for violation of the code of integrity in terms of sec 11 of RTPP Act and Rule 80 of RTPP Rules and action shall be taken against defaulter bidder in accordance with RTPP Rules and Act.
4. In case of bid security deposited, the firm deposits lesser security than the required amount, bid shall be rejected.
5. As per notification SO 165 issued by Fin. Dept. dt. 19.11.2015 on reference to RTPP rules, "clause 8(A)" bidding document shall be provided to MSME at 50% of prescribed cost.
6. RTPP Act 2012 & RTPP rules 2013 shall be applicable for the procurement process.
7. A declaration regarding debarment/blacklisting/code of integrity shall be given by bidder in Annx-'A' .

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**ANNEXURE-A**

**SELF ATTESTED UNDERTAKING TO BE GIVEN ON FIRM'S LETTER HEAD**

**We, the undersigned declare that:**

- 1. Our firm, its affiliates of subsidiaries including any subcontractor or suppliers for any part of the contract have not debarred by the state government or the procuring entity or a regulatory authority under any applicable law.**
- 2. We declare that we have complied with and shall continue to comply with the provision of the code of integrity including conflict of interest as specified for bidders in the RTPP Act 2012, RTPP Rules 2013 and the bidding document during the procurement process and execution of contract till completion of all our obligation under contract.**
- 3. I/We possess the necessary professional, technical, financial and managerial resources and competence required by the bidding document issued by the procuring entity.**
- 4. 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.**
- 5. 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.**
- 6. 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.**
- 7. I/We do not have a conflict of interest as specified in the Act, Rules and the bidding document, which materially affects fair competition.**

**Firm's Name  
Seal & Signature**

**ANNEXURE-I**

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**UNDERTAKING FOR CA CERTIFICATE (TO BE FURNISHED ON NON-JUDICIAL STAMP  
WORTH Rs.100/- & DULY NOTARIZED)**

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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-\_\_\_\_\_ , 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.

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

**ANNEXURE-II**

**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:**
-