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Note:

The bidders, in their own interest are requested to read very carefully Section-I (Instruction to Bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents can be downloaded from website of Jodhpur Discom www.jdvvn.com, <http://eproc.rajasthan.gov.in> & www.sppp.rajasthan.gov.in can be uploaded on the website <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 the bidding documents downloaded from the website and appended with the bid (as a bid document) and the original copy of such document available in the office of Superintending Engineer (MM&C), Jodhpur Discom, Jodhpur then the copy available with Superintending Engineer (MM&C), Jodhpur Discom, Jodhpur will be considered as final document for all purposes. The scheduled date and time to deposit the cost of Bid document, EMD or Valid Vendor Registration Certificate (if applicable) and furnishing of tender processing fee, be as stated/mentioned in published Notice Inviting Tender/tender document.

JODHPUR VIDYUT VITARAN NIGAM LIMITED
(MATERIAL MANAGEMENT & CONTRACT)
NEW POWER HOUSE, INDUSTRIAL AREA, JODHPUR -342003

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TENDER SPECIFICATION NO. JdVVNL/SE(MM&C)/EIIAII/TN-1298

Tenders are hereby invited in e-tender system for purchase of **Galvanized M.S. Forged LT Pins & Hardware Fittings for LT Shackle Insulator**. 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	Galvanized M.S. Forged LT Pins	2,31,884 Nos.
2.	Hardware Fittings for LT Shackle Insulator	1,47,558 Sets

A	NIT No.	TN-1298
B	Cost of tender specifications	Rs.2500.00 (Two Thousand Five Hundred Only)
C	Processing fee of RISL	Rs.1000.00 (One Thousand Only)
D	Earnest money	Rs. 2.0 Lacs /Exemption Certificate / Vendor Registration of Class A/B/C
E	Validity	120 days from the next date of opening of techno-commercial bid.
F	Base date for price variation	1 st day of one month prior to the date of opening of technical bid.

IMPORTANT DATES

S.N.	Events	Date & Time	Location
1	Date of downloading of tender specifications	Up to 01.02.2017 (06:00 PM)	www.jdvvn.com & http://eproc.rajasthan.gov.in
2	Deposit of cost of Tender Specifications & Earnest Money and furnishing of Processing fee	Up to 01.02.2017 (4:00 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 02.02.2017 (12:00 PM)	http://eproc.rajasthan.gov.in
4	Opening of Technical Bid	02.02.2017 (03:00 PM)	http://eproc.rajasthan.gov.in
5.	Opening of Price Bid	To be intimated separately to the qualified bidders	http://eproc.rajasthan.gov.in

SECTION - II**TECHCHNICAL SPECIFICATION FOR GALVANISED M.S FORGED L.T.PINS AND HARDWARE FITTINGS FOR L.T. SHACKLE INSULATORS FOR USE ON L. T. DISTRIBUTION OVERHEAD POWER LINES UNDER TN-1298.****1.0 SCOPE :**

1.1 This specification provides for the design, manufacture, inspection and testing before dispatch, supply and delivery of Galvanized M.S. Forged L.T. Pins and 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 pins and 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 Galvanized M.S. forged L.T. Pins & 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 M.S. FORGED L.T. PINS :

5.1.1 The M.S. Forged L.T. Pins suitable for L.T.Pin insulators shall comply in all respect, herein otherwise stated, with figure 2 of IS:7935/1975 (latest amended). The Pins shall be of steel complying with class 2 of IS:2004/1970 (latest amended). The pins shall be of good finish, free from flaws and other defects. The finishing of collar shall be such that sharp angle between the collar and shank is avoided.

5.1.2 DIMENSIONS : The L.T. Pins for supply under this specification shall conform to figure 2 of IS:7935/1975 (latest amended) and shall have the following dimensions:

S.No.	Item	Dimensions
1.	Length of Pin	260 mm
i)	Shank length	125 mm
ii)	Stalk length	135 mm
2.	Thickness of stalk collar	5 mm
3.	Diameter of stalk	
i)	Diameter of stalk	16 mm
ii)	Diameter of collar	32 mm
4.	Diameter of shank	16 mm
5.	Length of threads	
i)	on stalk	32 mm + 3 mm
ii)	on shank	75 mm
6.	Thickness of nut(M-16)	
i)	Maximum	15.9 mm
ii)	Minimum	14.1 mm
7.	Spring washer thickness(M-16)	3.5 mm + 0.2 mm
8.	Weight of L.T.Pin (Approx.)	0.425 Kg.± 2% Tolerance

5.1.3 THREADS : Threads of L.T. pins shall be matching with L.T. Pin Insulators conforming to IS:1445/1977 (latest amended) and shall be checked by means of gauges.

5.1.4 HEXAGONAL NUTS : Hexagonal Nuts of M-16 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).

5.1.5 SPRING WASHERS : Spring washers of 3.5 mm thickness of M-16 size shall be used which should conform to IS:3063:1994 (Latest amended).

5.1.6 FAILING LOAD : The minimum failing load of L.T. Pins shall be 2.0 KN.

5.1.7 GALVANISATION: The L.T. Pins shall be hot dip galvanized. The galvanization of Pins shall conform to IS:2633/1986 (latest amended). The threads of nuts shall be cut after galvanization and shall be well oiled or greased. Small parts like nuts and spring washers etc. may be electro-galvanized in accordance with IS:1573/1986 (latest amended).

5.2 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.± 2% Tolerance

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

5.3 IDENTIFICATION & MARKING :

5.3.1 The pins and 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 Galvanized M.S. Forged L.T. pins and 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 Accreditation 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 C or DD/ Pay order amounting **Rs. 1.50 Lac (for outside Rajasthan based firms & Rs.37,500.00 for Rajasthan based firms.** The initial validity of BG shall be 9 months with claim period of 3 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

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) Galvanising/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. 2 & 3 of IS:7935/1975 (Latest amended) for L.T.Pins & Hardware Fittings for L.T. Shackle Insulators, shall be + 5% except on collar thickness of L.T. pins for which tolerance is allowed upto 2 mm on plus side and 0.5 mm on minus side.

6.5 TEST AT SITE:

The purchaser reserves the right to conduct all tests on Galvanised M.S.Forged L.T. Pins & 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 testings 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 L.T. Pins & 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 despatched 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. The delivery of quoted quantity should be completed in **Six months** period including commencement period of **maximum 30 days in equal monthly installments**. In case ordered quantity is different than quantity monthly

delivery shall be adjusted proportionately. Bids 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.

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 Galvanized M.S. Forged L.T. pins and Hardware fittings for L.T. shackle insulators with **base date 1st day of one month prior to the date of opening of technical bid.**

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

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 authorised 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) Galvanization (Uniformity) Test.

Only those 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 Dy. Chief Engineer (HQ). 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 Galvanization (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 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.

13.3.3 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.

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 challans to Sr. Accounts Officer(Cash & CPC), JdVVNL, Jodhpur.

16.0 Quantity tolerance :

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

SCHEDULE-I**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****SCHEDULE OF REQUIREMENT**

S.No.	Particulars	Qty in Nos. / Sets
1	Galvanised M.S. Forged LT Pins	2,31,884 Nos.
2	Hardware Fittings for LT Shackle Insulator	1,47,558 Sets.

The above requirement 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**

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

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

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

(C) Transmission line accessories and 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 **Nov, 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.

SBIRo = 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).

Schedule – III**JODHPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****Prescribed technical specification for supply of****(Name of Material/Equipment/Machinery/T&P etc.)****L.T. Pins & Hardware Fittings for L.T. Shackle Insulators**

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.	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)/ 11044	
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 conform	Other particulars if any.
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	

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 material/equipment/ Machinery/T&P shall conform	Name of IS/other standard specification to which material should conform	Other particularsto which if any.
-------	---	--	-----------------------------------

(Signature)

Name & Designation
with seal of the bidder.

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 **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/outside Rajasthan firm furnishes requisite type test reports of higher rating material.

Amount of Bank Guarantee in lieu of type test	
For Rajasthan based firms	For Outside Rajasthan based firms
Rs. 37,500.00	Rs. 1.5 Lacs

4.0 POOR RECORD OF PERFORMANCE AND DELIVERY :

The bidder who have been black listed in any of the state Discom or with whom business relations have been severed in 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 along with forfeiture of EMD / cancellation of vendor registration.

5.0 (A) Black listing of a firm:

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

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

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

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

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

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

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

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

(B) Severment of Business relation:

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

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

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

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

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

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

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

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

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

(C) DEBARMENT

Reasons on which Debarment can be made:-

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

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

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

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

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

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

6.0 APPEALS AND APPLICATIONS:-

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

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

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

Signature of bidder
With stamp
Date

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-342 003.

Dear Sir,

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

Whereas M/s (hereinafter called the bidder) has
furnished 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 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 there under. However, the validity of the bank guarantee shall be extended as and when required by the purchaser.

IN WITNESS WHEREOF the bank has executed these presents the day month..... and year.....

Yours faithfully,

(Bankers)
Executants

Witness:

- 1.
- 2.

Schedule-IV `A`

JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking
Must be filled-in by the tenderer and attach with technical bid (Part-I)

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

Dear Sir,

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

S. No.	Particulars of Items	Bid Quantity	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates.
1.	2.	3.	4.	5.	6.
1	Galvanized M.S. Forged LT Pins	2,31,884 Nos.			
2	Hardware Fittings for LT Shackle Insulator	1,47,558 Sets			

- The offer is valid for a period of 120 days from the next date of opening of this 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. **SE/MM&C/TN-.....**, 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. **SE/MM&C/TN-.....**, 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

**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.....

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

Schedule – V-A**GUARANTEED TECHNICAL & OTHER PARTICULARS
OF GALVANISED M.S.FORGED L.T.PINS**

S. No.	Description	Particulars
1.	MANUFACTURER'S NAME & ADDRESS	
i)	OFFICE	
ii)	WORKS	
2.	STANDARD SPECIFICATION TO WHICH THE INSULATORS PINS SHAL CONFORM	IS:7935/1975 (Fig.2) Latest & other relevant ISS
3.	DIMENSIONS OF PIN:	
A)	LENGTH OF PIN	260 MM
i)	SHANK LENGTH	125 MM
ii)	STALK LENGTH	135 MM
B)	THICKNESS OF STALK COLLER	5 MM
C)	DIAMETER OF STALK	
i)	DIAMETER OF STALK	16 MM
ii)	DIAMETER OF COLLAR	32 MM
D)	DIAMETER OF SHANK	16 MM
E)	LENGTH OF THREADS ON BOTH SIDES	
i)	STALK	32 MM + 3 MM
ii)	SHANK	75 MM
F)	THICKNESS OF NUT (M16)	
i)	MAXIMUM	15.9 MM
ii)	MINIMUM	14.1 MM
G)	SPRING WASHER THICKNESS (M16 SIZE)	3.5 MM + 0.2 MM
4.	TOLERANCE ON VARIOUS DIMENSIONS	+ 5% on all dimensions but tolerance of collar thickness on plus side upto 2 mm and on minus side upto 0.5 mm.
5.	MINIMUM FAILING LOAD	2.0 KN
6	WEIGHT OF PIN (approx)	0.425 Kg \pm 2% Tolarence
7	TYPE OF GALVANISATION	
i)	L.T. PIN	HOT DIP GALVANISED
ii)	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.
8.	MARKING	
9.	DETAILS OF PACKING	double bags, one HDP bag (inner) and one gunny bag (outer) or in double gunny bag

SIGNATURE OF BIDDER WITH SEAL

Schedule – V-B**GUARANTEED TECHNICAL & OTHER PARTICULARS
OF L.T.SHACKLE HARDWARE FITTINGS**

S.	Description	Particulars
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.	DIMENSIONS 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 OF BIDDER WITH SEAL

SCHEDULE – VI (A)

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:-

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)

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:-

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**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 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 mentioned order	whether still to be executed	Delivery stipulated in	Remarks to be
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 /Organisations.

(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**JODHPUR VIDYUT VITRAN NIGAM LIMITED
A Govt. of Rajasthan Undertaking****TN-1298****DELIVERY SCHEDULE****PART – A**

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

S. No	Particular Of Material	Commencement Period	Rate Of Supply per Month	Period for Completion of delivery of Entire material
1	Galvanized M. S. Forged LT Pins	30 Days from the date of receipt of detailed Purchase Order.	Equal Monthly Installments	Five Months after commencement period.
2	Hardware Fittings for LT Shackle Insulator			

Note – In case ordered quantity is different than quoted quantity, then monthly delivery shall be adjusted proportionately. Bids 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:-

	Particular Of Material	Commencement Period	Rate Of Supply per Month	Period for Completion of delivery of Entire material

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

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

SCHEDULE – IX

**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 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