

**JAIPUR VIDYUT VITARAN NIGAM LIMITED
OFFICE OF THE SUPERINTENDING ENGINEER (PROC)
OLD POWER HOUSE PREMISES, NEAR RAM MANDIR, BANIPARK, JAIPUR-6
FAX:0141- 2208098, TELE:0141- 2208098**

**BID DOCUMENTS FOR SUPPLY OF ALUMINIUM LUGS
AGAINST
BID SPECIFICATION NO.JPD/SE(Proc)/SPO.III/TN-4340**

Last Date of receipt of bids	28.04.2011 upto 2:30 PM
Date of opening of bids	28.04.2011 at 3:00 PM
Cost of Specification	Rs. 2500.00 (Rs. Two Thousand Five Hundred only)
Validity	120 days from the next date of opening of bid.
Earnest Money	Rs. 20,000.00 (Rs. Twenty Thousand Only) / Exemption Certificate / Vendor Regisration Of Class "E" Category.

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

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

SECTION-III

**TECHNICAL SPECIFICATION FOR ALUMINIUM LUGS AGAINST
TN-4340**

1.0 SCOPE :

This specification covers the design, manufacture, inspection and testing before dispatch, supply and delivery at our stores/ site of Aluminum Lugs (Aluminum terminal ends) specified herein for their satisfactory operation in Distribution lines in Jaipur Discom.

2.0 GENERAL TECHNICAL REQUIREMENTS :

Terminal end or lug connective device with barrel accommodating respective conductor size of electrical cable should have a fixing arrangement of termination by means of a bolt fixing in terminal type terminal block and screwing the aluminium lugs/ terminal end shall conform to IS:8309/1993 with latest amendments.

The material of terminal end/ lug shall be of Aluminium of grade IE of IS: 5082/1969 "Specification for wrought Al. & Al. alloys, bars, rods, tubes and section for electrical purpose".

The inside of barrel shall either be suitably rough end throughout the crimping length of terminal end or provided with a suitable grease based compound with abrasive action. Edges and corners shall be free from burrs and sharp edges.

The dimensions & tolerances for "Compression type tubular terminal ends for aluminium conductors of insulated cables" shall be as per table 1 (clause 5 & 6) of IS:8309/ 1993.

3.0 GURANTEED TECHNICAL AND OTHER PARTICULARS

The bidder shall furnish complete Guranteed Technical & Other Particulars(GTP) of material offered by him in Schedule-V-A in absence of which the bid is liable to be rejected.

4.0 DRAWING:

The bidder shall furnish the drawing & weight with details of dimensions.

5.0 SAMPLES

The bidder shall furnish three sample(s) of each size along with their bid for approval failing which their offer is liable to be ignored.

6.0 INSPECTION AND TESTING:

6.1 The material shall be tested and inspected by an authorized inspecting officer of the Nigam before dispatch. Sample(s) shall be drawn for inspection/ testing as per

provisions of relevant ISS/ Purchase Order. The Purchaser reserves the right to get the material tested in any testing laboratory for dispatch.

6.2 The suppliers should satisfy themselves that the stores are in accordance with the terms of the contract and fully confirm to required specifications by carrying out a thorough pre- inspection of each quota before tending the same for inspecting to the inspecting officer nominated by the Purchaser. Such pre-inspection on the part of the suppliers would minimize the chances of rejection in inspection.

6.3 Tensile Strength, flattening test report from independent test house and manufacturers material test report for aluminium etc. be furnished along with tender documents.

7.0 TEST CHECKING OF MATERIAL AT STORES

The material received in the stores of the NIGAM shall be subjected to the checking of dimensions as per approved drawing from 1% of the supply received and the same shall be reported to the Superintending Engineer(Proc).

8.0 PREFERENCES:

8.1 All other things being equal, the ISI marking material will be preferred.

8.2 The offers of Standard make and directly from the manufacturer quoting shorter delivery period shall be preferred.

9.0 MARKING:

Marking on Aluminum lugs shall be as per IS:8309/1993 along with additional embossing TN-4340 and word "JVVNL".

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 of assorted size of Aluminum lugs**. 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.

15. PRICES:

Prices offered against this specification shall be **FIRM.**

SCHEDULE-I**SCHEDULE OF REQUIREMENT**

S.No.	Aluminum Lugs	Qty in Nos.
1	300 Sq. mm	14187
2	185 Sq. mm	7500
3	150 Sq. mm	7800
4	95 Sq. mm	22500
5	50 Sq. mm	15000
6	25 Sq. mm	3000

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



Schedule – III

JAIPUR VIDYUT VITRAN NIGAM LIMITED

**A Govt. of Rajasthan Undertaking
Prescribed technical specification for supply of**

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

ALUMINIUM LUGS

S.No.	Technical specification to which material/equipment/Machinery/T&P shall confirm	Name of IS/other standard specification to which material should confirm	Other particulars if any.
1.	Aluminium lugs/ terminal end	IS:8309/1993 with latest amendments.	
2.	The material of terminal end/lug	Aluminium of grade IE of IS: 5082/1969	
3.	The dimensions & tolerances for "Compression type tubular terminal ends for aluminium conductors of insulated cables"	IS:8309/ 1993 table 1 (clause 5 & 6)	

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

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

(Signature)

Name & Designation
with seal of the bidder.

**Schedule – IV****JAIPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking
SCHEDULE OF PRICES**

(Must be filled by the bidder and returned with the bid)

The Superintending Engineer (Proc. /MM)

_____ Vidyut Vitran Nigam Limited _____

with reference to your invitation to bid against specification No....., we agree to supply at prices (firm/variable) given as follows

S. No.	Particulars of Material	Quantity offered	Unit Ex-works Price (in Rs.)	Excise duty (Per Unit)		Cess on Excise Duty (Per Unit)		CST/VAT (Per Unit)		Freight (Per Unit) (In Rs.)	Insurance (Per Unit) (In Rs.)	Total Price In Rs. (Per Unit) Col. No. (4+6+8+10+11+12)	Entry Tax @ ___% on Col. 13 (In Rs.)	All adjusted unit F.O.R. Destination Price including Entry Tax Col. No.13+14	Total Contract Value (In Rs.)
				Rate	Amt.	Rate	Amt.	Rate	Amt.						
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.

Notes:-

- (i) The bidder is required to quote the prices in the above format only. Bids having prices quoted in other format/manner are liable to be ignored.
- (ii) The bidder must fill each and every column of the above format. Mentioning “extra/Inclusive” in any of the column may lead for rejection of the price bid.
- (iii) No cutting/ overwriting in the prices is permissible.
- (iv) The unit Ex-work price to be indicated in Col. No. 4 should be exclusive of taxes & duties which are to be indicated in separate columns meant for the purpose.
- (v) In case of price bid break-up is given component wise and also given sum total by the bidder but there is a difference between aggregate of component wise and sum total, then lesser of the two will be taken into account.

Signature of bidder with rubber stamp

JAIPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

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

S.No.	Particulars of technical & other performance data guaranteed.
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Certified that we agree to all the aforesaid technical particulars and other performance data except following :-

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

Name & Designation
with seal of the bidder.

SCHEDULE-V-A

**GUARANTEED TECHNICAL & OTHER PARTICULARS OF
COMPRESSION TYPE TUBULAR TERMINAL ENDS OF ALUMINUM
CONDUCTOR OF INSULATED CABLES.**

(To be filled in by the bidder and sent alongwith bid)

S.N.	Description	Particulars
1)	Manufacturer's Name & address.	
2)	Make of Aluminium Lugs/ Terminal End	
3)	Type of Aluminium Lugs/ Terminal End	
4)	Size of Aluminium Lugs/ Terminal End	
5)	Aluminium Lugs/ Terminal End conforms to	IS:8309/1993 with latest Amendments
6)	Material of Terminal End/ Lug	Aluminum of Grade IE of IS:5082/1969
7)	Edges and corners shall be free From burrs and sharp edges	Yes
8)	Inside of Barrel shall be	
a)	Rough & throughout the crimping length of terminal End	
b)	Provided with a suitable grease based compound with abrasive action	
9)	Dimensions & Tolerances for Compression Type Terminal Ends	As per table 1 of IS:8309/1993
10)	Marking	As per IS:8309/1993 & Also have JVVNL & TN NO.
11)	Samples: 3 samples of each size to be furnished with the bid	
12)	Testing facilities are available as per ISS	
13)	Tensile Strength & Flattening Test report from independent test house furnished with the tender	
14)	Manufacturer's material test report for Al. etc	
15)	Offered material is ISI marked or not	
16)	Other details/informations	

Signature
Name & Designation with seal of the firm

Schedule – VI (A)

JAIPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

DEPARTURE/DEVIATION FROM TECHNICAL SPECIFICATION

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

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.



JAIPUR VIDYUT VITKAN 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.
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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.



JAIPUR VIDYUT VITRAN NIGAM LIMITED

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

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

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

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

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

(Signature)

Name & Designation
with seal of the bidder.

SCHEDULE-VIII
JAIPUR VIDYUT VITRAN NIGAM LIMITED

DELIVERY SCHEDULE

TN-4340

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	Aluminium Lugs	30 Days from the date of receipt of detailed Purchase Order.	Equal Monthly Installments of assorted size	Five Months after commencement period.

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



JAIPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

List of Equipments and Technical Hands Available with the Firm

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

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

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

(Signature)

Name & Designation
with seal of the bidder.

Schedule - X**GENERAL PARTICULARS ABOUT THE BID IN BRIEF**

**JAIPUR VIDYUT VITRAN NIGAM LIMITED
(PROCUREMENT CIRCLE)
NEAR RAM MANDIR , BANI-PARK, JAIPUR-302006**

TELEPHONE: - 0141 2208098**TELE FAX: - 0141-2208098**

**BID DOCUMENTS FOR SUPPLY OF ALUMINIUM LUGS
AGAINST
BID SPECIFICATION NO.JPD/SE(Proc)/SPO.IIIII/TN4340**

Last Date of receipt of bids	28.04.2011 upto 2:30 PM
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Note:- The bidder, in their own interest, are requested to read very carefully Section-I (Instruction to bidders), Section-II (General Condition of Contract) & Section-III (Technical Specification) before filling the bid. The Bid documents be downloaded from JVVNL website www.jaipurdiscom.in . No hard copy of the bidding documents will be provided to the bidders through this office. In case of any discrepancy found in bidding documents downloaded from the website and appended with the bid (as a bid document) and original copy of such document available in the office of Superintending Engineer (Proc.), Jaipur Discom, Jaipur then the copy available with Superintending Engineer (Proc.), Jaipur Discom, Jaipur will be considered as final document for all purpose. The cost of Bid document as published in NIT shall be furnished along with downloaded bid document in the manner prescribed in bid document.

1. Furnishing of proof of deposition of cost of bid document, Earnest money/ exemption certificate as per Clause 1.03 & 1.16 of section-I (Instructions to bidders) along with downloaded bid documents is essential otherwise the " BID OFFER " will not be opened. However the bidder(s) who get themselves registered with JVVNL as per clause No. 1.5.3 of Section-II (General Conditions of contract) before submitting of bid documents against the bid enquiry for supply of quoted items under appropriate category are not required to furnish Earnest money deposit. They shall furnish the proof of such valid registration with their bid. Cost of Bid document shall be furnished in the form of Crossed bank draft/ banker's cheque payable in the name of

" **ACCOUNTS OFFICER (MM), JVVNL, JAIPUR.** EMD if required shall be furnished in accordance with the clause No. 1.03.1 of Section-I(Instructions to bidders).

2. The Central and State Govt. Undertakings are exempted from furnishing of Earnest money subject to furnishing of such certificate / documentary evidence in support of their being Govt.(Central/State) undertaking.

3. The bidder(s) shall **quote prices strictly in the manner prescribed in Clause 1.09 of Section-I** (Instructions to bidders). & Clause No. 1.33 Section-II (General Conditions of contract) **in Schedule-IV, otherwise their bid is liable for rejection. The prices quoted should be FIRM.**

4. The bid offer shall be furnished in **Single Part** in the following manner:

i) **First envelope containing proof of deposition of cost of Bid documents & EMD.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope-I & Cost of bid documents and Earnest Money / Valid Registration Certificate under relevant class / A certificate of being a Rajasthan / Central Govt. undertaking' should be clearly written on the front side of the envelope.

ii) **Second envelope for techno-commercial bid.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope – II & Techno-Commercial Bid' should be clearly written on the front side of the envelope.

iii) **Third envelope for price bid.** Name of item, bid no., time of bid submission, due date for opening of bid and the word 'Envelope – III & Price Bid' should be clearly written on the front side of the envelope.

Note: Envelope III containing price bid will be kept in the safe custody of the concerned engineer / officer. It will be opened at a later date in respect of those bidders whose offers are found / adjudged technically and commercially acceptable. The date of opening of "Price Bid" shall be intimated to successful bidders in due course of time. In case of deviation from the stipulated clauses of bid specifications, price bid of the bidder will not be opened.

iv) **Fourth envelope containing above three envelopes.** Name of item, bid no., time of bid submission and due date for opening of bid should be clearly written on the front side of the envelope. (All the above envelopes shall be duly sealed individually).

*Note : Separate price bid and technical bid are required to be submitted incase total bid value exceeds Rs. 50 Lacs and if the same is upto 50 Lacs, technical bid and price bids shall be submitted in a single envelope. **However, two part bidding could be adopted for the item of special nature technology, sophistication or for any other item in the opinion of purchasing officer considered suitable for two part bidding system also irrespective of value.***

v) The bidder(s) shall ensure that their bids are furnished /submitted strictly in the manner detailed in the specification.

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

5. The bids not accompanied with pre qualifying requirement , technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:
 - i) Capacity, capability and competency proofing documents.
 - a) Capacity/orders of similar and higher rating of bided equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
 - b) Copy of purchase orders of Erstwhile RSEB or JVVNL for similar or higher rating equipment latest executed.
 - i) Year wise past experience for last 5 years of similar or higher rating of bided equipment.
 - ii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar or higher rating.
 - iii) Quality assurance plan.
 - iv) Complete guaranteed technical particulars, out lines and general arrangement drawings alongwith Bill of Material.
6. Bids without Sections & schedules as mentioned in index shall be rejected.
7. Bids shall be furnished in single copy.
8. JVVNL has the right to reject any offer on the basis of track record of poor performance in execution of previous order / equipment supplied / after sales service while evaluating the Techno-commercial bid.
9. JVVNL reserves the right to accept minor deviations in standard terms and conditions and also in technical and constructional features as specified in the technical specification (Section-III).
10. Deviation of any kind shall not be quoted in price bid, if found quoted, the same shall be ignored.
11. The following facilities are to be provided by the supplier at his own cost to the inspecting officer of JVVNL.
 - i) Suitable accommodation.

- ii) Local conveyance between arrival point, place of stay, works and departure point.

- iii) The supplier shall assist in arranging return ticket and reservation on the request of the inspecting officer for which the payment shall be made by the inspecting officer. In case of joint inspection, single or shared double room accommodation shall be provided.