

**JAIPUR VIDYUT VITRAN NIGAM LIMITED****A Govt. of Rajasthan Undertaking****SCHEDULE OF REQUIREMENT**

**33 KV ISI MARKED ALUMINIUM CONDUCTOR SCREENED CROSS LINKED POLYETHYLENE (XLPE) INSULATED ARMoured SHIELDED & PVC SHEATHED CABLE SUITABLE FOR WORKING VOLTAGE 33KV (EARTHED SYSTEM) CONFORMING TO IS:7098 (PART-II)/1985 AMENDED UPTO DATE OF THE FOLLOWING SIZE :**

<b>S.No</b>	<b>ITEM</b>	<b>QUANTITY</b>
<b>1</b>	<b>33 KV, 3CX300 Sq.mm HT Power Cable</b>	<b>545 Kms</b>

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



## JAIPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

### PRICE VARIATION FORMULA FOR 33KV XLPE POWER CABLE

$$P = P_o + ALF ( A_l - A_{lo} ) + CCFAI ( C_c - C_{co} ) + FeF ( Fe - Fe_o )$$

P = Up-Dated Ex-Works price per Km.

P<sub>o</sub> = Ex-Works price quoted per Km.

ALF = Variation Factor for Aluminium

A<sub>lo</sub> = Price per MT of EC grade Aluminium rods ( properzi rods). **This price is as on 1.3.2011 (Base Date).**

A<sub>l</sub> = Price per MT of EC grade Aluminium rods ( properzi rods). This price is applicable on first working day of month, one month prior to date of delivery.

CCFAI = Variation factor for PVC compound / polymer for Aluminium Conductor cable.

C<sub>co</sub> = Price of PVC compound. **This price is as on 1.3.2011 (Base Date).**

C<sub>c</sub> = Price of PVC compound. This price is applicable on first working day of month, one month prior to date of delivery.

FeF = Variation factor for Steel

Fe<sub>o</sub> = Price of Steel Strip. **This price is as on 1.3.2011 (Base Date).**

Fe = Price of Steel Strip. This price is applicable on first working day of month, one month prior to date of delivery.

**BASE DATE : 1.3.2011**

The date of delivery (i.e. date of readiness of material) is to be considered as per Clause No. 1.10 of Section-I (Instruction to Bidders).

- NOTE: 1. IEEMA prices will be exclusive of excise duty and other taxes.  
 2. No variation shall be allowed on labour, packing, forwarding, freight and insurance charges.  
 3. Any statutory variation on ED and CST / VAT on the finished Cable shall be payable according to Clause No.1.09.15 of Section-I “ Instructions to Bidders”.

Size of cable	Alf	CCFAI	FeF
33 KV, 3CX300 Sq. mm	2.635	5.029	1.758


**JAIPUR VIDYUT VITRAN NIGAM LIMITED**
**A Govt. of Rajasthan Undertaking  
Prescribed technical specification for supply of**

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

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.
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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:-

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



## JAIPUR VIDYUT VITRAN NIGAM LIMITED

A Govt. of Rajasthan Undertaking

### **PRE- QUALIFICATION REQUIREMENT (PQR) FOR PURCHASE OF ISI MARKED 33 KV ALUMINIUM CONDUCTOR SCREENED CROSS-LINKED POLY ETHYLENE (XLPE) INSULATED ARMoured SHIELDED & OVERALL PVC SHEATHED POWER CABLE CONFORMING TO IS 7098(Pt-2) / 1985 AGAINST TN- 4350.**

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

#### 1) **STATUS OF BIDDER:**

a) The bidder should be a manufacturer. The offers from sole selling agents / authorized dealers shall not be entertained.

b) Old / New suppliers : Any bidder located within or outside the state of Rajasthan has albeit participated for the 1<sup>st</sup> time in a particular discom and meeting minimum qualification requirement (Whether Rajasthan Or Outside Rajasthan) has supplied the biderd material / higher rating in other utility shall be treated as an old supplier. Rajasthan based firms not meeting minimum quantity supplied criterion but having manufacturing and adequate testing facility and technical know how shall be considered as new firms and would be eligiable for trial order only.

#### 2) **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 the offer may be considered as Non-Responsive.

2.01.2) The bidder should have designed manufactured / fabricated, tested and supplied to utility / Discoms / Govt. Departments at least 2xQQ (QQ being the quoted quantity in Kms.) of **similar item / higher rating** of tendered material / equipment in last three financial years from the date of opening of technical – commercial bid. **Material supplied under Turnkey Projects shall be considered for qualifying requirement if bidder either furnishes a certificate of the Discoms / Utility that same material / equipment has been supplied to them or furnishes proof of supply i.e. recieved challans of the material / equipment supplied to Discoms / Utility.**

**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 fulfilment of the past supply criteria, the bidder shall furnish documentary evidence in the form of certificate from Chartered Accountant in the prescribed proforma (**Schedule-VIIA**) only. This prescribed proforma should be either in original or copy duly attested by Notary. The bidder shall also sign and affix seal on the prescribed format C.A. Certificate. **The certificate should have Membership Number with the name and address of the Chartered Accountant.** Certificate should clearly indicate the quantity supplied, period of supply, voltage class / accuracy class of material etc. in the format prescribed. Any deviation to the format or information diverted format will not be considered and rejected.

## 2.02. PERFORMANCE CRITERIA:

i) If a bidder could supply up to 50% of ordered quantity in previous bid up to 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 up to 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.

iii) If a bidder does not fulfil G.P. failed contractual obligations in previous bids then quantity equal to G.P. failed quantity pending for repair / replacement shall be reduced from the subsequent new bid quantity for fresh item to be allocated to the bidder. This action will be in addition to the penal provisions applicable in respective bids where supply is incomplete.

## 3.0) TYPE TEST CRITERIA :

3.01) The bidder shall furnish valid and authenticated type test certificate from a Govt. approved / Govt. Recognized / NABL Accrediated laboratory / ILAC i.e. International laboratory Accrediation Corporation (In case of foreign laboratory) / of **similar rating and design** of tendered material / equipment. **The bid of the bidder be also considered for meeting the Type Test criterion if the bidder have the requisite Type Test conducted successfully on the samples selected from the 1<sup>st</sup> lot supplied to JVVNL against previous tenders and its reports are available with the Nigam furnish certified copy of such Type Test Reports with the Bid or reference of order / tender be mentioned in Bid document for verification purpose.** Such type test certificate should not be older than three 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 bidding firms even if it is Govt. approved / Govt. recognized / NABL Accrediated laboratory / 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.

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

3.03) The type test certificate 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 provisions.

In case the Bidder is not in a position to furnish Type Test Certificate of tendered item, 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 Accrediated 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 proforma at **Schedule-III B** or DD / Pay Order amounting to Rs.5 Lacs (for outside Rajasthan Based Bidder) / Rs. 1.25 lacs (for Rajasthan Based Bidder). The initial validity of bank guarantee shall be nine months with claim period of three months in addition.

#### 4.01 POOR RECORD OF PERFORMACNE AND DELIVERY :

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

i) When vendor does not accept order awarded on its accepted price and terms and conditions and does not comply with contractual formalities.	Forfeiture of EMD/cancellation of vendor registration to recover amount of EMD alongwith 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 alongwith severment of relations for a period of 2 years from the date of issue of order or in next two bids whichever is later alongwith forfeiture of EMD / cancellation of vendor registration.

#### 5.01 Black Listing:

Bids of the firms black listed shall not be opened. Bidder are liable for black listing for five years in any of the following circumstances ;

i) There are sufficient and strong reasons to believe that the supplier or his employee has been guilty of malpractices such as bribery, corruption, fraud, vitiating fair under process including substitution of or interpolation in bids, pilfering or unauthorised use or disposal of NIGAM's material issued for specific works etc.

ii) The supplier continously refuses to pay Nigam dues after registered notice even after lapse of six months without showing adequate reasons and where the registering authority is satisfied that no reasonable disputes attracting reference to settlement committee or court of law exist for the supplier's action.

iii) 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 dealings or where security considerations including suspected disloyalty to the Nigam so warrant.

iv) If a registered supplier being non-renderer for supply but still submits applications giving his offer after receipt / opening of bids received after due process.

NOTE : 1.If a supplier after having tendered for a work / supply or after negotiations acceptance of order gives applications voluntarily vitating the fair bidding process, it shall also tantamount to malpractice.

NOTE: II. Severment once done will continue for the notified period of debarment even if the dues are deposited prior to the expiry of such severment period.

However, the relations be deemed to have been restored after expiry of severment period mentioned in the order but the bid of such bidder will not be opened in that Discom where severment was done if the recoverable amount has not been deposited by the firm i.e. severment done by one Discom for non-supply and corresponding recovery will not be effective in other Discom after expiry of notified period but the bid of such bidder will not be opened in that particular discom if the firm has not deposited amount recoverable.

#### **APPEALS AND APPLICATIONS :**

Appeal against the order of black listing, debarment and severment can be filed before BOD. The BOD may reduced or waive the penalty if sufficient reasons / supporting documents are furnished by a supplier.

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

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



**JAIPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**

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

( On Rajasthan Non-Judicial Stamp Paper worth Rs.100/-)

To,

The Superintending Engineer (Proc),  
Jaipur Vidyut Vitran Nigam Limited,  
Old Power House Premises,  
Near Ram Mandir, Banipark,  
Jaipur.

Dear Sir,

Whereas Jaipur Vidyut Vitran Nigam Limited , Jaipur ( 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 furnished a bid for supply of ..... to The Superintending Engineer (Proc), Jaipur Vidyut Vitran Nigam Limited, Jaipur 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 (Proc), Jaipur 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 JAIPUR in Rajasthan.

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

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




**JAIPUR VIDYUT VITRAN NIGAM LIMITED**
**A Govt. of Rajasthan Undertaking**
**TN-4350**
**ITEM- 33 KV HT XLPE POWER CABLE.**

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

To,

The Superintending Engineer (Proc),  
Jaipur Vidyut Vitran Nigam Limited,  
Jaipur.

Dear Sir,

With reference to your invitation to bid against specification No.JPD/SE/Proc/TN-4350, we agree to supply the following quantity :

S. No.	Particulars of Items	Tendered Quantity	Qty. Offered	Justification of quantity offered as per Qualifying Requirement	Status of Type Test Certificates.
1.	2.	3.	4.	5.	6.
1	33KV, 3CX300 SQ.MM XLPE POWER CABLE	545 Kms			

- The offer is valid for a period of 120 days from the next date of opening of Techno-Commercial bid.
- The prices are variable with **base date 1.3.2011**.
- 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 (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.JPD/SE/Proc/ TN-4350 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.JPD/SE/Proc/TN-4350 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.**


**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.....

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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.

GUARANTEED TECHNICAL AND OTHER PARTICULARS FOR THE SUPPLY OF THREE CORE  
33 KV XLPE CABLES AGAINST TN-4350

S.No	PARTICULARS	UNIT	33KV
			3CX300SQ.MM.
1	Manufacturer's name and works address	-	
2	Manufacturing process ( Please specify any one of following): a) CCV Line Process ( Dry Curing) b) Syoplas Process		
3	Standard specification to which the material shall conform.	-	----IS:7098(part-2)/1985----
4	Type of cable and voltage grade.	-	-----Type - A2XFY----- 19/33 KV
5	Power frequency withstand voltage	KVrms.	To be furnished by the tenderer.
6	Permissible voltage & frequency variation for satisfactory operation. i) Voltage ii) Frequency iii) Combind voltage & frequency	% % %	To be furnished by the tenderer.
7	Conductor details : a) Aluminium grade.  b) Nominal cross sectional area (guaranteed). c) Shape of the stranded conductor. d)Number of strands in each conductor(Min) e) Nominal diameter of each inlet wire before stranding f) Maximum permissible resistance of Conductor at 20 Deg. C.	- Sq.mm - Nos. mm Ohms/ Km	H2/H4 grade, Class-2 conforming to IS:8130/1984 or latest version thereof. <b>300</b> -----Compact Stranded----- 30 To be furnished by the tenderer. 0.100
8	Diameter over laid-up cores	mm	To be furnished by the tenderer.
9	Conductor screening : a) Type and material. b) Continous working temp. c) Max. allowable temp. at termination of Short Circuit	- Deg.C Deg.C	To be furnished by the tenderer.
10	Insulation : a) Material  b) Nominal thickness of insulation c)Minium thickness of insulation. d) Approx. diameter of core over insulation.	- mm mm mm	Cross-Linked Polyethylene conforming to IS:7098(Pt.2) latest version. 8.8 7.82 To be furnished by the tenderer.
11	Insulation screening : a) Material. b) i) Approx. thickness of semi-conducting part. ii) Thickness of metallic part. c) Approx. diameter of cable over screening.	- mm mm mm	To be furnished by the tenderer.
12	Wheteher Binder Tape provided		To be furnished by the tenderer.
13	Inner sheath : a) Material b) Process of application c) Min. thickness of inner sheath. d) Diameter of cable over inner sheath	- - mm mm	To be furnished by the tenderer.  0.7 mm. To be furnished by the tenderer.
14	Type of filler used a) Material b) Shape and size c) Central filler (shape & size)	mm mm	
15	Armouring : a) Material and type of armouring b) Nominal dimensions of Armour c) Whetheer galvanised. d) Lay Ratio of Armouring i) Minimum ii) Maximum e) Total Number of Armour Strips f) %age Covering with Armour strip g) Diameter of cable over armouring	- mm - - Nos. mm	Galvanized Steel Strip 4.0 x 0.8 mm Galvanized  To be furnished by the tenderer. To be furnished by the tenderer.

**GUARANTEED TECHNICAL AND OTHER PARTICULARS FOR THE SUPPLY OF THREE CORE  
33 KV XLPE CABLES AGAINST TN-4350**

S.No	PARTICULARS	UNIT	33KV
			3CX300SQ.MM.
16	Outer sheath : a) Material b) Nominal thickness of outer sheath. c) Colour of sheath.	- mm	PVC Type ST-2 conforming to IS:5831 latest version As per Table-5 of IS:7098(Pt.2)/1985 with latest amendments -----Black-----
17	Approx. over all diameter of cable.	mm	To be furnished by the tenderer.
18	a) Minimum weight of Aluminium in Kg./Km. corresponding to nominal cross sectional area of conductor.(guaranteed) b) Total weight armouring Kg/ Km. c) Total weight of PVC contents Kg/ Km. (Inner / Outer Sheath / Filler) d) Total weight of XLPE including weight of Conductor Screening and Insulation Screening (Non- Mettalic) in Kg./Km.(Min.) e) Total weight of insulation screening Kg./Km. (Mettalic) f) Total weight of finished cable Kg/Km.	Kg/Km Kg/Km Kg/Km Kg/Km Kg/Km	2432 Kg / Km   To be furnished by the tenderer.
19	i) Standard length of cable. ii) Tolerance on standard length.	Mtrs	250 -----(+/-) 5%-----
20	No. of length(s) of cable on each drum.	Mtrs	-----One-----
21	Approx. gross mass of each drum including cable.	Kg	To be furnished by the tenderer.
22	i) Drum Size(as per IS:10418/1982) ii)Details of Drums iii)Approx. net weight of each empty drum.	Kg	To be furnished by the tenderer. To be furnished in the enclosed Schedule-V(B) To be furnished by the tenderer.
23	Max. continous AC current carrying capacity : a) When laid directly in ground. b) When laid in covered trenches. c) When laid vertically in air.	Amps Amps Amps	To be furnished by the tenderer.
24	Recommended length of laying.	cm	To be furnished by the tenderer.
25	Short circuit current carrying capacity and duration of short circuit.	KA-Sec	To be furnished by the tenderer.
26	Allowable/attainable max. conductor temp. when carrying continous rated current.	Deg.C	-----90-----
27	Allowable/attainable max. conductor temp. at the termination of short circuit current.	Deg.C	-----250-----
28	Voltage drop per 1000 metres length of cable at rated current : a) When laid directly in ground. b) When laid in covered trenches. c) When laid vertically in air.	Volts Volts Volts	To be furnished by the tenderer.
29	Max. conductor temp. a) When laid directly in ground. b) When laid in covered trenches. c) When laid vertically in air.	Deg.C Deg.C Deg.C	-----90----- -----90----- -----90-----
30	Impulse strength	KV	As per IS - 7098 Part-2 / 1985 with latest amendment
31	a) DC resistance of each conductor at 20 Deg.C (Max.) b) AC resistance of each conductor at 90 Deg.C. (Max.) c) Approx. reactance of each conductor d) Approx. capacitance of each conductor e) Insulation resistance (Min.) i) At 27 deg.cent. ii) At 90 deg.cent. f) Loss tangent i) As a function of voltage ii) As a function of temperature. g) Dielectric constant.	Ohms/KM Ohms/KM Ohms/KM Micro-F KM Ohm-Cm  -	As per IS - 7098 Part-2 / 1985 with latest amendment To be furnished by the tenderer. To be furnished by the tenderer. To be furnished by the tenderer. To be furnished by the tenderer.  To be furnished by the tenderer.  To be furnished by the tenderer.

GUARANTEED TECHNICAL AND OTHER PARTICULARS FOR THE SUPPLY OF THREE CORE  
33 KV XLPE CABLES AGAINST TN-4350

S.No	PARTICULARS	UNIT	33KV
			3CX300SQ.MM.
32	Charging current at normal operating voltage.	Amps/KM	To be furnished by the tenderer.
33	Derating factors: Furnish charts showing derating factors for: i) Variation in ambient temp. from 30 DEG.C. upto 70 DEG.C. in steps of 5 DEG.C. ii) Variation in ground temp. from 25 DEG.C. upto 60 DEG.C. in steps of 5 DEG.C. iii) Different specing of cables in horizontal single row formation for 3 Core Cables under the following condictions of laying: a) Cables laid on cable trays in concrete cable trenches with removable covers b) Cables laid on cable trays in air. c) Cables laid in ground. d) Cables laid in pipes or ducts. e) Variation in depth of laying for cables laid direct in ground f) Variation in Thermal resistivity of soil for cables laid in ground.		To be furnished by the tenderer.
34	Quantity Tolerance		-----(+/-) 2%-----
35	Recommended min. bending radius.	mm	To be furnished by the tenderer.
36	Embossing		As per specification TN-
37	BIS licence no. & validity		To be furnished by the tenderer.
38	ISO:9001 certification		
39	Any other particulars		To be furnished by the tenderer.

NOTE : SPECIFIC VALUES MAY BE INDICATED IN ABOVE SCHEDULE. USE OF "DO OR AS PER "IS" IS TO BE AVOIDED.

**GUARANTEED TECHNICAL AND OTHER PARTICULARS OF DRUM FOR SUPPLY OF  
33 KV, 3CX300 SQ. MM XLPE CABLES AGAINST TN-4350**

S. No.	P A R T I C U L A R S	33 KV XLPE CABLES
		3CX300 SQ. MM
<b>A</b>	<b>Drum Size (in mm)</b>	
<b>B</b>	<b>Flange Diameter(d1) (mm)</b>	
<b>C</b>	<b>Barrel Diameter(d2) (mm)</b>	
<b>D</b>	<b>Centre hole Diameter(d3) (mm)</b>	
<b>E</b>	<b>Overall width (L1) (mm)</b>	
<b>F</b>	<b>Traverse (L2) (mm)</b>	
<b>G</b>	<b>Thickness of Flange</b>	
<b>H</b>	<b>Barrel End (supporting disc or core segment)</b>	
	a) <b>Diameter (mm)</b>	
	b) <b>Thickness (mm)</b>	
<b>I</b>	<b>Stretchers( Core Carrier Planks)</b>	
	a) <b>Number (Min)</b>	
	b) <b>Thickness x width (mm)</b>	
<b>J</b>	<b>Barrel Battens thickness (Core Filler Planks)</b>	
<b>K</b>	<b>Barrel Middle Supports (Middle Core discs)</b>	
<b>L</b>	<b>Thickness of External Laggings.(mm)</b>	
	<b>DETAILS OF METAL COMPONENTS:</b>	
<b>M</b>	<b>Clamping Studs with Hexagonal Nuts</b>	
	a) <b>Numbers</b>	
	b) <b>Diameter (mm)</b>	
<b>N</b>	<b>Square or Round Washers</b>	
	a) <b>Numbers</b>	
	b) <b>Diameter (mm)</b>	
<b>O</b>	<b>M.S. Bushes</b>	
	a) <b>Numbers</b>	
	b) <b>Thickness of Sleeve (mm)</b>	
	c) <b>Dimension of Sleeve (mm)</b>	
	d) <b>Number of Bolts</b>	
	e) <b>Diameter of Bolts</b>	
<b>P</b>	<b>M.S./ C.I. Centre Plate</b>	
	a) <b>Numbers</b>	
	b) <b>Dimensions of Square/ Triangular equal sides (mm)</b>	
	c) <b>Centre Plate Bolts.</b>	
<b>Q</b>	<b>Numbers</b>	
	i) <b>Diameter of bolts (mm)</b>	

ii) Centre Hole Diameter (mm)	
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**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:-

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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.



**JAIPUR 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.


**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 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 KM	Order No. & Date	Name & details of purchasing authority	Date of Completion
1	2	3	4	5	6

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

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

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

**SCHEDULE-VIIA****TN-4350****TO WHOMSOEVER IT MAY CONCERN**

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

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

Signature  
Name & Designation  
With Seal of the Bidder  
Date \_\_\_\_\_  
Place \_\_\_\_\_

Signature of C.A  
Name :  
Address:  
Membership No:

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

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


**JAIPUR VIDYUT VITRAN NIGAM LIMITED**

**A Govt. of Rajasthan Undertaking**  
**DELIVERY SCHEDULE**  
**PART-A**

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

S.No.	Particulars of Material	Commencement period per Month.	Rate of supply per Month	Period for completion of delivery of entire material
1.	33 KV, 3CX300 Sq.mm	30 Days	Equal Monthly Rate	Nine Months thereafter.

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**PART-B**

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

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

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



**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 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.



**JAIPUR VIDYUT VITARAN NIGAM LIMITED**  
**( PROCUREMENT CIRCLE )**  
**OLD POWER HOUSE PREMISES, BANI PARK, JAIPUR -06**

**TELEPHONE : 2208098**

**TELE FAX : 0141-2208098**

**BID DOCUMENTS FOR PURCHASE OF ISI MARKED 33 KV ALUMINIUM CONDUCTOR SCREENED CROSS-LINKED POLY ETHYLENE (XLPE) INSULATED ARMOURED SHIELDED PVC SHEATHED POWER CABLE UNDER SPECIFICATION NO.JPD/SE/PROC/SPO-I/TN-4350.**

S.No	ITEM	QUANTITY
1	33 KV, 3CX300 Sq.mm HT Power Cable	545 Kms

LAST DATE AND TIME FOR : 07.04.2011 UPTO 2.30 P.M.  
 RECEIPT OF BID

DATE AND TIME OF : 07.04.2011 AT 3.00 P.M.  
 OPENING OF BID

EARNEST MONEY TO BE : Rs.7,50,000/-  
 DEPOSITED

COST OF THE : RS.2,500/-(non refundable)  
 SPECIFICATION

VALIDITY : 120 DAYS FROM THE NEXT DATE  
 OF OPENING OF TECHNO-  
 COMMERCIAL BID.

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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 be downloaded from JVVNL website [www.jaipurdiscom.in](http://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 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(Proc), Jaipur discom, Jaipur then the copy available with Superintending Engineer(Proc), Jaipur discom, Jaipur will be considered as final document for all purposes. 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 (Instruction to Bidder) along with downloaded Bid Document is essential otherwise the "BID OFFER" will not be opened. However the bidders who get themselves registered with JVVNL as per Clause No. 1.5.3 of Section-II (General Condition of Contract) before submitting of bid documents against this bid enquiry for supply of quoted items under appropriate category are not required to furnish Earnest Money Deposit. They shall furnish the proof of such valid registration with their bid. Cost of Bid Document shall be furnished in the form of Crossed Bank Draft / Bankers Cheque payable in the name of "A.O(MM), JVVNL, JAIPUR". EMD if required shall be furnished in accordance with Clause No. 1.03.1 of Section-I (Instruction 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 shall quote the Prices strictly in the manner prescribed in Clause No. 1.09 of Section-I (Instruction to Bidders) & Clause No. 1.33 of Section-II (General Conditions of Contract) in **Schedule-IV** otherwise their bid is liable for rejection. The price quoted should be variable without any ceiling as per IEEMA price variation formula annexed in **Schedule - II**. The **Base date** for price variation shall be **1.3.2011**.

4. **The bid offer shall be furnished in two parts & shall comply all provisions of Clause No. 1.02 Section-I (Instruction to Bidders) and the Bid offer shall be furnished in the following manner :-**

- i) **First envelope 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).
- v) **The bidder shall ensure that bid is 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 qualification requirement , technical requirement indicated in the specification and other requirement given here under will be considered as incomplete offer and sufficient grounds for offer to be passed over:

- i) Capacity, capability and competency proofing documents.
  - a) Capacity /orders of similar and higher rating of tendered equipment booked as on date of bidding with type and rating and construction details of equipment for which order received be indicated.
  - b) Copy of purchase orders of Erstwhile RSEB /SEB`S / Electric Utilities / Govt. Departments / Discoms for similar or higher rating equipment latest executed.
- ii) Year wise past experience for last 5 years of similar or higher rating of tendered equipment.
- iii) The details of testing facilities available at the works and copies of latest type test certificates, carried out on similar ITEM.
- iv) Quality assurance plan.
- v) Complete guaranteed technical particulars, out lines and general arrangement drawings along with Bill of Material.

6. Bids without Section-I, II, III & Schedules (I to X) shall be rejected.

7. Bids shall be furnished in single copy.

8. 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.
- i. Local conveyance between arrival point, place of stay, works and departure point.
- ii. 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.