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उत्तर दक्षिण हरियाणा बिजली वितरण निगम  
UTTAR DAKSHIN HARYANA BIJLI VITRAN NIGAM



# BIDDING DOCUMENTS

For Procurement of HT (11KV) XLPE U/G Cable

**Purchaser:** Uttar & Dakshin Haryana Bijli Vitran Nigam Ltd.

## **TENDER ENQUIRY FLOATED BY: -**

**DAKSHIN HARYANA BIJLI VITRAN NIGAM**  
(A Power Distribution & Retail Supply Utility, Govt. of Haryana)  
An ISO 9001:2008 compliant utility, CIN:- U99999HR1999SGC034165  
Regd. Office: Vidyut Sadan, Vidyut Nagar, Hisar-1250005 (Haryana)  
Office of the Chief Engineer/MM, Vidyut Nagar, Hisar-1250005 (Haryana)  
PH- 223061(O), 223005 (Fax) [S.E./MM-01662-223332]  
E-mail: [semmdhbvn@gmail.com](mailto:semmdhbvn@gmail.com) , [cemmhisar@gmail.com](mailto:cemmhisar@gmail.com)



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UTTAR DAKSHIN HARYANA BIJLI VITRAN NIGAM



**DAKSHIN HARYANA BIJLI VITRAN NIGAM**

(A Power Distribution & Retail Supply Utility, Govt. of Haryana)

An ISO 9001:2008 compliant utility, CIN:- U99999HR1999SGC034165

Regd. Office: Vidyut Sadan, Vidyut Nagar, Hisar-1250005 (Haryana)

Office of the Chief Engineer/MM, Vidyut Nagar, Hisar-1250005 (Haryana)

PH- 223061(O), 223005 (Fax) [S.E./MM-01662-223332]

E-mail: [semmdhbvn@gmail.com](mailto:semmdhbvn@gmail.com) , [cemmhisar@gmail.com](mailto:cemmhisar@gmail.com)

**NOTICE INVITING TENDERS**

(Only through e-procurement)

**NOTICE INVITED TENDER No. /DH/MM/XEN/MM-**

**DATED: . . .20**

Offers are invited for procurement of following material on Variable Price & 'FOR' destination basis anywhere in Haryana, by fixing the annual rate contract as per details given below:-

Description of item	Total qty.	Estimated cost
HT (11KV) XLPE U/G Cable of following sizes conforming to Nigam's technical Specification No. CSC-44/R-I/DH/UH/P&D/2015-16 & CSC-XXX/R-I/DH/UH/P&D/2015-16 read with amendment thereof and as per relevant i) 3Cx50 Sq.mm ii) 3Cx95 Sq.mm iii) 3Cx185 Sq.mm iv) 3Cx300 Sq.mm v) SCx630 Sq.mm		
Date of start	Last date of submission	Opening date of part-I

Tender documents having detailed terms and conditions can be seen/downloaded from the portal <https://haryanaeprocurement.gov.in> and [www.dhbvn.org.in/web/portal/tenders](http://www.dhbvn.org.in/web/portal/tenders).

Superintending Engineer/MM  
For CE/MM, DHBVN, Hisar

For Publication only



DAKSHIN HARYANA BIJLI VITRAN NIGAM

**NOTICE INVITING TENDER**

(Only through e-procurement)

**SCHEDULE OF TENDER (SOT)**

a NOTICE INVITING TENDER (NIT) NO.	/DH/MM DATED: - . . .				
b) e-tender no.					
c. MODE OF TENDER	e-Procurement System (Online Part I - Techno-Commercial Bid and Part II - Price Bid Through <a href="https://haryanaeprocurement.gov.in">https://haryanaeprocurement.gov.in</a> of Nextenders India Pvt. Ltd.)				
d. Tender Enquiry No. under NIT No.	<b>QD-</b>				
e. Date of NIT available to parties to download	. . .				
f i) Earnest Money Deposit	<b>2% of estimated cost upto 2 Lacs</b>				
ii) Tender Fees (Non-refundable)	<table border="1"><thead><tr><th>For all the bidders except Haryana based MSMEs and KVI units (Rs.)</th><th>For the Haryana based MSMEs and KVI units (Rs.)</th></tr></thead><tbody><tr><td>5000/-</td><td>1000/-</td></tr></tbody></table>	For all the bidders except Haryana based MSMEs and KVI units (Rs.)	For the Haryana based MSMEs and KVI units (Rs.)	5000/-	1000/-
For all the bidders except Haryana based MSMEs and KVI units (Rs.)	For the Haryana based MSMEs and KVI units (Rs.)				
5000/-	1000/-				
iii) E-Service Fee (Non-refundable)	<b>Rs. 1000/-</b>				

Offer are invited for procurement of following material through fixing the rate contract on 'Variable' & 'FOR' destination rates basis anywhere in Haryana, as per details given below. The rate contract shall be valid for one year from the date of award of contract and can be extended further for one more year with mutual consent.

**SCHEDULE OF MATERIAL: -**

T.E. no.	Description of material	DHBVN		UHBVN		Total	
		Min	Max	Min	Max	Min	Max
<b>QD-</b>	HT (11KV) XLPE U/G Cable of following sizes conforming to Nigam's technical Specification No. CSC-44/R-I/DH/UH/P&D/ 2015-16 & CSC-XXX/R-I/DH/UH/P&D/2015-16 read with amendment thereof and as per relevant i) 3Cx50 Sq.mm ii) 3Cx95 Sq.mm iii) 3Cx185 Sq.mm iv) 3Cx300 Sq.mm						



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	v) SCx630 Sq.mm						
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- 1) Only those tenders will be considered who fulfill the **Pre Qualification Conditions** mentioned in the tender documents (as elaborated in **Annexure-II**)
- 2) Only those tender shall be considered who deposit the earnest money and tender cost & E-Service Fee by due date.

**Information Regarding Online Payment of Tender Document , eService & EMD Fee.**

- 1) The Bidders can download the tender documents from the Portal: <https://haryanaeprocurement.gov.in>. The Bidders shall have to pay for the Tender documents, EMD Fees & e-Service Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between suppliers and online payment authorization networks. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ suppliers online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT.
- 2) If the tenders are cancelled or recalled on any grounds, the tender document fees & e-service fee will not be refunded to the agency.
- 3) The detailed procedure/instructions to bidder on Electronic Tendering System are at **Annexure-I**.
- 4) **For any clarification regarding bid preparation and bid submission, please contact: M/s Nextenders (India) Pvt. Ltd.**  
O/o. DS&D Haryana, SCO – 09, IInd Floor, Sector – 16, Panchkula – 134108  
**E - mail:** [Chandigarh@nextenders.com](mailto:Chandigarh@nextenders.com) Help Desk: 1800-180-2097 (**Toll Free Number**)
- 5) The Tenderers can submit their tender documents (Online) as per the dates mentioned in the key dates schedule:

**Key Dates schedule:**

Sr. No.	Department Stage/Activity	Tenderer's Stage	Start date and time	Expiry date and time
1.	-	Downloading of Tender Documents & Bid Preparation & submission	. . . at 10:00 Hours	. . . at 13:00 Hours
		Pre-bid meeting (If applicable)	. . . at 11:00 Hrs.	
2	Manual submission of technical documents (Within 4 days from the opening of part-I)		-	. . . at 13:00 Hours
3	Technical Opening (Part-I)	-	. . . at 15:00 Hours	---
4	Short-listing of Technical bids & Opening of Financial Bid			Will be intimated to the firms on their E-mail ids

Superintending Engineer/MM  
For CE/MM, DHBVN, Hisar



For Uploading on website only

**Annexure-I**

***Instructions to bidder on Electronic Tendering System***

**These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.**

1. **Registration of bidders on eProcurement Portal:-**  
All the bidders intending to participate in the tenders processed online are required to get registered on the centralized e - Procurement Portal i.e. <https://haryanaeprocurement.gov.in>. Please visit the website for more details.
2. **Obtaining a Digital Certificate:**
  - 2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.
  - 2.2 A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://haryanaeprocurement.gov.in>.
  - 2.3 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from:  
**M/s Nextenders (India) Pvt. Ltd.**  
O/o. DS&D Haryana,  
SCO – 09, IIInd Floor,  
Sector – 16,  
Panchkula – 134108  
**E - mail:** [Chandigarh@nextenders.com](mailto:Chandigarh@nextenders.com)  
Help Desk: 1800-180-2097 (Toll Free Number)
  - 2.4 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt the data and sign the hash during the stage of bid preparation & hash submission. In case, during the process of a



- particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).
- 2.5 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate/power of attorney /lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.
- 2.6 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.
- 2.7 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.
- 3 **Opening of an Electronic Payment Account:**  
Tender document can be downloaded online. Bidders are required to pay the tender documents fees online using the electronic payments gateway service. For online payments guidelines, please refer to the Home page of the e-tendering Portal <https://haryanaeprocurement.gov.in>.
- 4 **Pre-requisites for online bidding:**  
In order to bid online on the portal <https://haryanaeprocurement.gov.in> , the user machine must be updated with the latest Java. The link for downloading latest java applet is available on the Home page of the e-tendering Portal.
- 5 **Online Viewing of Detailed Notice Inviting Tenders:**  
The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal eProcurement system on the Home Page at <https://haryanaeprocurement.gov.in>.
- 6 **Download of Tender Documents:**  
The tender documents can be downloaded free of cost from the e-Procurement portal <https://haryanaeprocurement.gov.in>.



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**Bid Preparation (Technical & Financial) Online/offline  
Payment of Tender Document Fee, eService fee, EMD fees  
and Submission of Bid Seal (Hash) of online Bids:**

- 7.1 The online payment for Tender document fee, eService Fee & EMD can be done using the secure electronic payment gateway. The Payment for Tender Document Fee and eService Fee can be made by eligible bidders/ contractors online directly through Debit Cards & Internet Banking Accounts and the Payment for EMD can be made online directly through RTGS / NEFT . The secure electronic payments gateway is an online interface between contractors and Debit card / online payment authorization networks.
- 7.2 The bidders shall **upload** their technical offer containing documents , qualifying criteria, technical specification, schedule of deliveries, and all other terms and conditions except the rates (price bid).  
The bidders shall **quote** the prices in price bid format.
- 7.3 Submission of bids will be preceded by submission of the digitally signed & sealed bid (Hash) as stated in the time schedule (Key Dates) of the Tender.

**NOTE:-**

- (A) If bidder fails to complete the Online Bid Submission stage on the stipulated date and time, his/hers bid will be considered as bid not submitted, and hence shall not appear during tender opening stage.
- (B) Bidder participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <http://haryanaeprocurement.gov.in>.
- (C) For help manual, please refer to the 'Home Page' of the e-Procurement website at <https://haryanaeprocurement.gov.in>, and click on the available link 'Download' to download the file.

**Guidelines for Online Payments in e-tendering**

Post registration, bidder shall proceed for bidding by using both his digital certificates (one each for encryption and signing). Bidder shall proceed to select the tender he is interested in. On the respective Department's page in the e-tendering portal, the Bidder would have following options to make payment for tender document & EMD:

- Debit Card
- Net Banking
- RTGS/NEFT

**Operative Procedures for Bidder Payments**





- A) Debit Card  
The procedure for paying through Debit Card will be as follows.
- (i) Bidder selects Debit Card option in e-Procurement portal.
  - (ii) The e-Procurement portal displays the amount and the card charges to be paid by bidder. The portal also displays the total amount to be paid by the bidder.
  - (iii) Bidder clicks on “Continue” button
  - (iv) The e-Procurement portal takes the bidder to Debit Card payment gateway screen.
  - (v) Bidder enters card credentials and confirms payment
  - (vi) The gateway verifies the credentials and confirms with “successful” or “failure” message, which is confirmed back to e-Procurement portal.
  - (vii) The page is automatically routed back to e-Procurement portal
  - (viii) The status of the payment is displayed as “successful” in e-Procurement portal. The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same,
  - (ix) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for previous attempt.
- B) Netbanking  
The procedure for paying through Netbanking will be as follows.
- (i) Bidder selects Netbanking option in e-Procurement portal.
  - (ii) The e-Procurement portal displays the amount to be paid by bidder.
  - (iii) Bidder clicks on “Continue” button
  - (iv) The e-Procurement portal takes the bidder to Netbanking payment gateway screen displaying list of Banks
  - (v) Bidder chooses his / her Bank
  - (vi) The Netbanking gateway redirects Bidder to the Netbanking page of the selected Bank
  - (vii) Bidder enters his account credentials and confirms payment
  - (viii) The Bank verifies the credentials and confirms with “successful” or “failure” message to the Netbanking gateway which is confirmed back to e-Procurement portal.
  - (ix) The page is automatically routed back to e-Procurement portal
  - (x) The status of the payment is displayed as “successful” in e-Procurement portal. The e-Procurement portal also generates a receipt for all successful transactions. The bidder can take a print out of the same.
  - (xi) The e-Procurement portal allows Bidder to process another payment attempt in case payments are not successful for



- previous attempt.
- C) RTGS/ NEFT
- The bidder shall have the option to make the EMD payment via RTGS/ NEFT. Using this module, bidder would be able to pay from their existing Bank account through RTGS/NEFT. This would offer a wide reach for more than 90,000 bank branches and would enable the bidder to make the payment from almost any bank branch across India.
- Bidder shall log into the client e-procurement portal using user id and password as per existing process and selects the RTGS/NEFT payment option.
  - Upon doing so, the e-procurement portal shall generate a pre-filled challan. The challan will have all the details that is required by the bidder to make RTGS-NEFT payment.
  - Each challan shall therefore include the following details that will be pre-populated:

Beneficiary account no: (unique alphanumeric code for e-tendering)

Beneficiary IFSC Code:

Amount:

Beneficiary bank branch:

Beneficiary name:

- The Bidder shall be required to take a print of this challan and make the RTGS/NEFT on the basis of the details printed on the challan.
- The bidder would remit the funds at least one day in advance to the last day and make the payment via RTGS / NEFT to the beneficiary account number as mentioned in the challan.
- Post making the payment, the bidder would login to the e-Tendering portal and go to the payment page. On clicking the RTGS / NEFT mode of payment, there would be a link for real time validation. On clicking the same, system would do auto validation of the payment made.

#### List of Net banking banks

1. Allahabad Bank
2. Axis Bank
3. Bank of Bahrain and Kuwait
4. Bank of Baroda
5. Bank of India
6. Bank of Maharashtra
7. Canara Bank
8. City Union Bank
9. Central Bank of India
10. Catholic Syrian Bank
11. Corporation Bank



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12. Deutsche Bank
13. Development Credit Bank
14. Dhanlaxmi Bank
15. Federal Bank
16. HDFC Bank
17. ICICI Bank
18. IDBI Bank
19. Indian Bank
20. Indian Overseas Bank
21. Insdusind Bank
22. ING Vysya Bank
23. J and K Bank
24. Karnataka Bank
25. Kotak Mahindra Bank
26. Karur Vysys Bank
27. Punjab National Bank
28. Oriental Bank of Commerce
29. South Indian Bank
30. Standard Chartered Bank
31. State Bank Of Bikaner and Jaipur
32. State Bank of Hyderabad
33. State Bank of India
34. State Bank of Mysore
35. State Bank of Travencore
36. State Bank Of Patiala
37. Tamilnad Mercantile Bank
38. Union Bank of India
39. United Bank of India
40. Vijaya Bank
41. Yes Bank

#### Schedule- B

### **NECESSARY INSTRUCTION/TERMS & CONDITIONS FOR THE BIDDER**

Sr. No.	Necessary instruction/Terms & Conditions for the bidder
	Tender must be submitted on prescribed tender form and complete in all respects and submitted through e-procurement mode only. No other mode like email/fax etc. shall be acceptable.



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	<p>Tender enquiry has been floated for procurement of material as specified in NIT for fixing the rate contract valid for one year from the date of issue of rate contract (which can be extended further for one year with the mutual consent of purchaser and supplier at the same rates, terms &amp; conditions).</p>
	<p>Tenderer must carefully study the technical specifications and general terms and conditions before preparation of tender. All terms and conditions of NIT and Corrigendum shall be applicable.</p>
	<p>The tenders not meeting the requirement of pre-qualification conditions, necessary terms and conditions of the NIT and Nigam technical specifications shall be rejected.</p>
	<p>The bidders shall have to pay for the tender documents, EMD Fees &amp; e-Service Fee online by using the service of secure electronic payment gateway. The secure electronic payments gateway is an online interface between contractors/suppliers and online payments authorization networks. The payment for Tender Document Fee and eService Fee can be made by eligible bidders/suppliers online directly through Debit Cards &amp; Internet banking Accounts and the Payment for EMD can be made online directly through RTGS/NEFT.</p> <p>The Bank charges, if any, will be to the account of the tenderer.</p> <p>No claims against the Nigam either in respect of interest if any due on the Security deposit/Earnest money or its depreciation in value shall be admitted</p>
	<p>Detailed procedure for depositing earnest money, order preference to Haryana firms, delivery schedule and other terms and conditions are contained in SOT &amp; schedule D of tender documents. Each tender document is required to be signed by his authorized representative alongwith stamp and is to be uploaded thereafter.</p>
	<p>The following tenders shall be exempted from the deposit of earnest money.</p> <p>(i) Wholly Govt. of India owned undertakings.</p> <p>(i) Wholly State owned undertakings of Haryana.</p>
	<p>The tenders should remain valid for 180 days from the date of opening of tender (Part-I in case of two part tender) otherwise the same will not be accepted and rejected out-rightly.</p>
	<p>The offers/tenders will be opened on the date and time prescribed in the Notice Inviting Tenders. In case the date of opening falls on a holiday including Sunday or a holiday is subsequently declared on that date, the tenders will be opened on next working day following the holiday.</p>
	<p>All tenders/offers will be regarded as constituting an offer or offers open to acceptance in whole or in part until the last date of validity as prescribed in the notice inviting tenders or as indicated by the tenderer in his tender/offer, whichever be later.</p>
	<p>The price must be quoted in Indian Rupees and any mistake in calculating the rupee price will not justify the claim for increase in prices.</p>
	<p>Authenticated documents to prove authority of signatory (legal power of attorney in favour of signatory) <b>must be uploaded</b>. Memorandum of article and Memorandum of association of the firm, if applicable, shall also be <b>uploaded with the tender</b>.</p> <p>The firm shall submit the detail information in the performa of particular of bidder. <b>(Annexure-III)</b></p>



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	The tenderer shall give details of immovable property i.e. land, building, machinery, exact location of their property and copy of constitution/balance sheet alongwith the tender. <b>The document shall be uploaded by the supplier/s.</b>
	Tender not adhering to Nigam's delivery schedule will not be considered.
	If more than one bid is submitted by any/one bidder, (having same registered office), the same shall be rejected.
	The deviations in Technical & Commercial terms and Conditions, if any, must be brought out clearly on the performa enclosed ( <b>Annexure-V</b> ), failing which it will be presumed that the same are acceptable in to-to.
	Tenderer/s shall submit their offer in an ambiguous free wording failing which DHBVN/UHBVN interpretation will be final.
	The tenders shall be submitted in two parts. Part-I shall consist technical details and commercial terms and part-II shall consist price bid only. Part-II i.e. price bids shall be opened on a date to be intimated separately for the purpose.
	<b>Purchase Preference:</b> The provision for purchase preference shall be as per policy/ guidelines issued by the State Govt. vide G.O. No. 2/2/2010-4 I B II dated 19.12.2011 and/or latest instruction issued by the State Govt.  All other Policy decisions/ guidelines on procurement of Stores through the Directorate of Supplies and Disposals as applicable for the state of Haryana are also applicable in this case (Unless stated /decided otherwise). The instructions/guidelines issued by Govt. of Haryana vide G.O. No. 2/2/2010-4 I B II dated 28.05.2010, G.O. No. 2/2/2010-4 I B II dated 19.12.11, G.O. No. 2/2/2010-4 I B II dated 18.06.13, G.O. No. 2/2/2010-4 I B II dated 16.6.2014, G.O. No. 2/2/2010-4 I B II dated 9.02.15 & G.O. No. 2/2/2010-4 I B II dated 24.03.15 are available on website <a href="http://www.dsndharyana.gov.in">www.dsndharyana.gov.in</a> . the bidders are requested to download the same from website and read carefully before submitting the tender. It shall be presumed that the bidder has read these instructions/guidelines and agreed the same, while evaluating for tender submitted by the firm/supplier/tenderer.
	The revision of price bid after opening of Part-I i.e. technical and commercial part of the tender is not allowed. In case of withdrawing the same within the validity period, EMD shall be forfeited.
	If any of the firm fails to supply the material within stipulated delivery period, then the leftover quantity of said firm shall be considered for allocation to the firm (s) supplying material under the same NIT and performing better. This clause shall be applicable after issuance of purchase order of the minimum quantity of Rate Contract and with mutual consent of Nigam and the remaining suppliers under the same NIT. The defaulting firm shall have to fulfill its contractual obligations against the minimum quantity of the rate contract, else shall have to bear penal action as per the provisions in the NIT.
	<b>Arithmetical Errors:</b> - in case of any inconsistency in the prices furnished, the purchaser shall be entitled to consider the lowest prices for the purpose of evaluation and award of contract. All arithmetical errors will be rectified on the basis of the unit price or total price (in figures and in words) whichever is more beneficial to the purchaser.
	In the event of a firm not favoring the delivery commitments of the previous contracts, this fact will weigh against the firm tendering against a subsequent



	<p>enquiry and be treated as disability. Before issue of the letter of intent or of placing the order, the previous order should be fully discharged or a reliable under taking should be given that it would be done within a reasonable period and within scope of the previous contract, if the firm declines to give this undertaking, it would be considered ineligible for competing against any subsequent tender/order and the current order would automatically pass on the next lower firm.</p>
	<p>The tender shall be issued by UHBVN/DHBVN for fixing the rate contract on behalf of both the power utilities i.e. DHBVN &amp; UHBVN. However, all the purchase orders will be issued by CE/MM of respective utilities in a phased manner depending on the requirement of stores. The PQRs and other liabilities of the bidder shall be as per minimum quantity offered.</p>
	<p>Material offered should be strictly according to the technical specification attached with the tender documents as laid down in Annexure-A of Schedule D (Part-I) to the Terms and conditions of the contract. Unless a deviation in the specifications given in Annexure 'A' is pointed out by the tenderer specifically, it will be presumed that Offer/tender conforms to the specifications as laid down in Annexure 'A'. However, in case of any ambiguity in the Nigam's technical Specification, the provision of relevant IS with latest amendment will prevail. The concerned Director /Projects, shall be the deciding authority in such cases.</p>
	<p>EMD is liable to be forfeited in case of evidence of cartel formation by the bidder(s). The provision for penal action in case of cartel formation by the bidders shall be as per clause No. 9 of policy (guidelines) issued by the State Govt. vide G.O No. 2/2/2010-41 BII dated 28.5.2010.</p>
	<p>The purchaser reserves the right to reject any or all the tenders received without assigning any reason.</p>
	<p>The firm failing to accept the LOI/RC after having made commitments before SPC/HPPC (Nigam)/HPPC (Govt.) shall be blacklisted/ debarred from doing business with Nigam and earnest money of the firm shall be forfeited.</p>
	<p>The bidder shall submit alongwith his tender documents, the details of his production capacity, orders in hand/pending with quantity, value and delivery schedule of the material /equipments in question. <b>The document shall be uploaded by the supplier.</b></p>
	<p>The bidder shall submit all the requisite documents pertaining to the plant from where the material will be supplied. <b>The document shall be uploaded by the supplier.</b></p>
	<p>List of customers to whom the material in question has been supplied/orders executed financial year wise and their performance certificates shall be enclosed by the Tenderer. <b>The document shall be uploaded by the supplier.</b></p>
	<p>No change in GTPs/technical parameters/drawings submitted alongwith bid shall be allowed in case the offered material is as per technical specification of Nigam.</p>
	<p>The tenderer must submit a hard copy of all the documents related to part-I ( i.e. techno-commercial terms and conditions, where the tender is invited in two parts) uploaded on the site for the said tender duly certifying that these documents are same as uploaded on designated website, within 4 days of opening of part-I. (All affidavit &amp; undertakings should be submitted in original with hard copy).</p>
	<p><b>Submission of Quality Assurance Procedure</b> The Vendor / Contractor at the time of submission of the drawings for approval from DHBVN/UHBVN is also required to submit a Quality Assurance Procedure (QAP) of the materials to be supplied for review and approval. In this</p>



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	<p>QAP, the vendor / contractor shall clearly indicate the quality measures being taken by the manufacturer to maintain the quality of the finished product. The drawings/QAP once approved shall not be required to be submitted for approval again.</p> <p><b>QAP will indicate the following details:-</b></p> <ol style="list-style-type: none"><li>Tests being performed on the raw material purchased by manufacturer for manufacturing of the finished product.</li><li>Tests being conducted during manufacturing of the product (In process testing).</li><li>Tests which shall be done on the finished product at the time of pre-dispatch inspection.</li><li>Test results assured by the vendor.</li><li>Tests procedure followed for the inspection with full details of test setup etc.</li></ol> <p>The Inspection shall be carried out on the basis of the approved QAP. All the details provided by the vendor / contractor shall be verified by Nigam / Third Party during the inspection and if any deviation is found from the approved documents, it will be noted in the inspection report.</p>
	<p>The firms will enter into an agreement with the Nigam to ensure that there is no fall in the prices of the item under rate contract and in case of any such price fall, the rates of the material will be revised as per any decrease in price.</p>
	<p>The max. Quoted qty. shall be considered as 1.5 times of the min. qty. quoted by the bidder/s against the NIT.</p>
	<p>MODVAT benefits, if any, be included in quoted prices and confirmed in bid submission.</p>
	<p>All the other terms and conditions will be as per latest guidelines of Govt. of Haryana and schedule D (general and particular terms &amp; conditions of contract) and technical specification of Nigam. However, any statutory variation shall be borne by the Nigam, during contractual delivery schedule only i.e. increase in statutory variation beyond the overall delivery period shall be borne by the firm. Further, in case of award of contract / PO to the firm/s having exemption in statutory levy like E.D., VAT / CST etc. at the time of quoting the bid, the rate of such statutory levies as applicable on the date of tender opening / finalization shall be deemed to be included in the rates finalized.</p>
	<p>The post tender offers or communications received from the supplier/contractors etc. which effect the quoted and equivalent rates there by changing the merit position of the tender shall not be entertained</p>
	<p>On the day the purchaser conveys acceptance to the supplier's offer either through e-mail/fax or by a letter, the date of e-mail/fax or letter will be the date of agreement and the contractual obligations of the supplier will commence from that very date. The supplier will have no right to revoke his offer after the acceptance of purchaser.</p>
	<p>The benefits applicable vide Govt. of Haryana office order no- 2/2/2010-4-IB-II dated 24.03.2015 to Haryana based Micro and Small Enterprises (Including KVI units) will be admissible only if the concerned Enterprises participate directly in the tender not through their intermediaries i.e. their dealers/agents and distributors etc. <b>To avail the benefits of Haryana based Micro and Small Enterprises (Including KVI units), the bidders will upload the requisite documents along with the tender documents.</b></p>
	<p><b>Pre-qualification conditions:</b> The firm quoting against the NIT shall meet with the Pre- qualification requirement as elaborated in <b>Annexure-II</b> without which the</p>



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firm shall not be considered for placement of order. The PQRs and other liabilities of the bidders shall be as per min. quantity offered by the firm.

Annexure-II

### Pre-qualification conditions

Sr. no.	Description
	<p>The firm should be ISO-9001:2008 certificate or above and should be a manufacturer/ authorized agent of manufacturer, if Manufacturer being outside India. (His agent shall have the necessary testing facilities in India).</p>
	<p>The turnover of the firm in any one financial year during the last five financial years should be equivalent or more to the estimated cost of the material of the NIT /estimated cost of the material offered. The documents showing turnover should be duly attested by CA and in support of the same, the balance sheet of that particular year may also be attached. (<b>Estimated cost of material of NIT by taking min. qty. of the tender is Rs. ____.</b>)</p> <p>Manufacturing Small Enterprises (Including Khadi &amp; Village industries) that have filed Entrepreneurs Memoranda in Haryana will be entitled to a concession of 50% on the turnover and shall be considered qualifying accordingly.</p> <p>Manufacturing Micro Enterprises that have filed Entrepreneurs Memoranda in Haryana will be entitled to a concession of 75% on the turnover and shall be considered qualifying accordingly.</p> <p><b>Note:- The turnover mentioned in this clause signifies “Overall turnover of the firm”.</b></p> <p>(format for CA certificate regarding turnover is enclosed as <b>Annexure VIII</b>).</p>
	<p>Past Performance of the firm with DHBVN or UHBVN or any Central/State Govt. Power Utility in India should be satisfactory both in adhering to the delivery schedule relating to purchase of material only.</p> <p>On the date of opening of bid, the bidder should have completed at least 50% supply of the ordered quantity within contractual delivery period against the latest completed purchase order for similar/higher size/rating material executed for UHBVN or DHBVN&amp; any other power utility subject to the condition that PO has been executed successfully with or without levy of the penalty or delivery extension.</p> <p>In case of supply to any other central/state govt., power utility, the firm shall submit self-certification in the form of affidavit on NJSP alongwith requisite proofs. If bidder has not supplied any material to DHBVN/UHBVN. Nigam shall get pre-order inspection of his facilities done to be sure of his manufacturing</p>





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	<p>capabilities.</p> <p>The supplies should be considered preferably against direct purchase orders placed by central/state Govt., power utility for supply of tendered items. However, the offered material supplied against turnkey works shall be accounted for in adjudging the past performance where offered material was supplied to Haryana DISCOMs for consideration of supplies against turnkey works i.e if the potential supplier qualifies in PQR clause (v) then he shall be qualifying PQR clause (iii) as well. However, PQR clause (iii)&amp; (v) for turnkey supplies, a continuous period 12 months shall be considered as valid periodicity instead of a calendar year or Financial year.</p> <p>For consideration of supplies against turnkey works, 11 KV XLPE U/G Cable of similar /higher size/rating should have been successfully put into consideration on the date of opening of tender/part-I</p>
	<p>Minimum qty. to be quoted shall be atleast <b>20%</b> of the minimum quantity of NIT. An offer below <b>20%</b> of the minimum quantity of NIT shall be rejected and its price bid shall not be opened. <i>Please quote the max / min quantity of supply against this NIT.</i></p>
	<p>The firm bidding 20% or more of NIT quantity should have supplied at least 50% of the offered <b>quantity of similar/higher size/rating</b> in any one financial year during the last 5 financial years to UHBVN/ DHBVN or any other Power Utilities. The capacity wise list of supplies for that particular financial year duly attested by CA must be attached.</p> <p><b>The turnkey experience of the suppliers for supply of similar/higher size/rating in respect of DISCOMs of Haryana should also be included while considering the numerical value of 50% material having been supplied by the suppliers to qualify towards past experience. The performance of the suppliers in respect of their turnkey experience should also be got verified from the Construction Wing of the concerned Utility.</b></p> <p>Haryana State SSI/MSME (including KVI) units shall be considered qualifying this clause provided they have supplied at least 25 % of offered quantity to any power utility in any one year during the last five financial years.</p>
	<p>Only those firms who have not been blacklisted by any DHBVN/UHBVN or any State/Central Govt. Power Utility in India at present shall be entitled to submit the tenders. The firm shall submit an affidavit of non-blacklisting on the non-judicial stamp of the appropriate value duly attested by Notary public</p>
	<p>The bidder should have completed the supplies up to the date of opening of Part-I tenders against all the previous purchase orders of similar item irrespective of size/rating placed by UHBVN/DHBVN whose delivery period has already expired with max. Penalty, failing which the bid shall be treated as non responsive and price bid shall not be opened.</p>



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**SCHEDULE 'C'**  
**UTTAR/DAKSHIN HARYANA BIJLI VITRAN NIGAM LIMITED**

## **TENDER FORM**

From \_\_\_\_\_

To \_\_\_\_\_

Offer No. \_\_\_\_\_

Dated \_\_\_\_\_

Subject : Submission of e-tender against Notice Inviting Tender No. \_\_\_\_\_  
dated \_\_\_\_\_ (Tender enquiry no. \_\_\_\_\_ & tender ID No. \_\_\_\_\_) of  
Uttar/Dakshin Haryana Bijli Vitran Nigam Ltd.

Dear Sir,

With reference to your above mentioned notice inviting tender & tender ID, I/We hereby offer to supply/provide genuine goods/services (as per details given in the tender documents) and shall execute the supply contract truly and faithfully within the time specified and set forth in the attached terms and conditions. The goods/services to be supplied/provided will be of the quality and answerable in every aspect with this tender. I/We shall be responsible for all complaints as regards the quality of goods/services and in case of dispute the decision of the Nigam will be final and binding on me/us.

1. Rs. \_\_\_\_\_ Rupees \_\_\_\_\_) have been deposited online through designated e-procurement website, as earnest money as desired. I fully understand that in the event of my/our tender being accepted this earnest money shall be retained by you till the submission of performance guarantee by me as per clause 6, Schedule-D.

2. I/We shall have no claim to the refund of the earnest money prescribed against this tender in the event of my/our non-compliance of the purchase order provided such order is placed within the period of validity of my/our tender as indicated in paragraph 4 below.

I further understand that my earnest money will stand forfeited even if I withdraw my tender at any stage during the currency of the period of validity.

3. My/our tender shall remain valid for a period of \_\_\_\_\_ days from the last date prescribed for submission of the tenders against the NIT No. \_\_\_\_\_ dt. \_\_\_\_\_ (tender ID No. : \_\_\_\_\_).

4. My/our tender alongwith the terms and conditions with the relevant columns and annexures duly filled in, including the enclosed terms and conditions), (in the capacity of sole owner/ general or special attorney, in proof of which power of attorney is attached) is submitted for your favourable consideration.

5. I/We have read the enclosed terms and conditions carefully and accept the same in toto. My/our tender constitutes a firm offer under the Indian Contract Act 1872 and is open to an acceptance in whole or in parts. My/ our offer, if accepted on the attached terms and conditions will constitute a legally binding contract and shall operate as a contract as defined in the Indian Contract Act 1872 and the Indian sale of goods Act 1930.

6. Detail of documents submitted, duly paginated, by me is attached herewith for ready reference.

Thanking you.

DA/Details of documents

Place

Yours faithfully,



Dated

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Name & Full Address of Tenderers

NIT No. \_\_\_\_\_

Enquiry No. \_\_\_\_\_

**SCHEDULE 'D'**

**(Part-I, General Conditions of Contract)**

**UTTAR/ DAKSHIN HARYANA BIJLI VITRAN NIGAM LIMITED**

**GENERAL TERMS AND CONDITIONS FOR PROCUREMENT OF EQUIPMENT STORES AND OTHER MATERIAL UNDER THE RATE CONTRACT**

In construction of the terms and conditions of the contract, the following words shall have the meaning herein assigned to them, unless the subject or context otherwise requires:

- (a) The "PURCHASER" shall mean the Haryana DISCOMs (DHBVNL /UHBVNL) or their authorized agent and shall include their Successors in office, and assigns.
- (b) The "SUPPLIER" shall mean M/s \_ and shall include the supplier's legal representatives, successors, and assigns.
- (c) "MANUFACTURERS: \_\_\_\_\_ shall mean \_\_\_\_\_ M/s \_\_\_\_\_<sup>a</sup> and shall include their legal representatives, successors, and assigns.
- (d) "MATERIAL" all the materials to be supplied by the supplier under the contract as per clause of material specifications, prices etc.
- (e) 'SPECIFICATION' shall mean and include the specifications as detailed in the attached herewith and Drawings attached thereto as well as samples and patterns, (if any).
- (f) The 'SITE' shall mean and include the lands and buildings over/under/upon and in which the materials are to be installed and used in accordance with the terms and conditions.
- (g) 'PLACE OF DELIVERY' shall mean the place of delivery at which the supplier is responsible to deliver the material at the contract price as specified in the clause "Material- Specification: Price etc.
- (h) 'COMMERCIAL USE' shall mean the use to which the material can commercially be put.
- (i) 'MONTH' shall mean a calendar month.
- (j) 'THE TERMS' F.A.S., F.O.R., F.O.B., C.I.F. and other shipping/ despatch terms as



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- used herein, shall have meaning in accordance with their uses in India.
- (k) 'WORK' shall mean and include supply of all the materials, plants and equipment and rendering of other services by the supplier under this contract.
- (l) 'ACT' shall mean the Companies Act 1956 and shall include any statutory amendments, Modifications or re-enactment thereof for the time being in force.
- (m) 'Haryana DISCOMs' shall mean the UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED /DAKSHIN HARYANA BIJLI VITRAN NIGAM LIMITED as incorporated under Companies Act 1956 and shall include their successors and assigns.
- (n) 'MANAGING DIRECTOR' shall mean the Managing Director of the NIGAM (DHBVNL/UHBVNL) duly appointed by the Govt.
- (o) 'CONSIGNEE' shall mean the officer to whom the materials is required to be dispatched or the person specified in the purchase order.
- (p) 'CONTRACT' shall mean the Notice Inviting Tender, Instructions for tenderers, Tender Forms, terms and conditions of contract with their annexures and purchase order/ acceptance of offer/Tender/Rate Contract.
- (q) 'DRAWING' shall mean the drawing/drawings annexed to the specification (if any) or as approved by the purchaser.
- (r) 'PURCHASE AUTHORITY' shall mean the officer signing the acceptance of tender and shall include any officer who has authority to execute the relevant contract on behalf of the purchaser.
- (s) 'PURCHASE ORDER' shall mean an order of supply of material including the acceptance of the tender.
- (t) 'ANNEXURE' shall mean the Annexure to the terms and conditions.
- (u) 'ACCEPTANCE OF TENDER' shall mean the letter or memorandum communicating to the supplier the acceptance of his offer (Tender) and shall include advance acceptance of his offer i.e. Letter of Intent or Rate Contract.
- (v) 'TEST' shall mean such test as is prescribed by the Indian Standards Institution or by the Haryana DISCOMs and/or considered necessary by the authorized agents of the purchaser, whether conducted/performed or made by them or any other agency acting under their directions.
- (w) 'DELIVERY' shall be deemed to take place on delivery of the material in accordance with the terms and conditions of the Contract after test and inspection by the purchaser or his authorized agent, to the consignee.
- (x) D.G.S & D shall mean the Director General of Supplies and Disposals, Government of India.
- (y) DS&D shall mean the Director Supplies & Disposal, Haryana.



## 2. PARTIES.

The parties to the contract are the supplier and the purchaser, Legal address of the parties to the Contract is under:

Supplier M/s \_\_\_\_\_

Purchaser: Dakshin Haryana Bijli Vitran Nigam (Hisar)/UTTAR Haryana Bijli Vitran Nigam (Panchkula)

For all purposes of the contract including the arbitration there under, the address of the supplier mentioned above, shall be the address to which all communications addressed to the supplier shall be sent, unless the supplier has notified a change by a separate letter containing no other communication and sent by a Speed Post (Acknowledgement Due) to the purchaser. The supplier shall be solely responsible for the consequences of an omission to notify the change of address in the manner aforesaid.

## 3. AUTHORITY OF THE PERSON SIGNING THE CONTRACT ON BEHALF OF THE SUPPLIER.

The person who has signed these Tender papers (including the terms and conditions) has got authority to sign on behalf of the supplier. It is discovered at any time that the person so signing had no authority to do so, the purchaser without prejudice to any other right or remedy available to him may, cancel the contract and hold such person liable to the purchaser for all costs and damages arising from the cancellation of the contract including any loss which the purchaser may sustain on account of such purchase.

## 4. RESPONSIBILITY OF THE SUPPLIER FOR EXECUTING THE CONTRACT.

### (i) RISK IN MATERIAL

The supplier shall execute the contract in all respects in accordance with these terms and conditions. The material and every constitute part thereof, whether in possession or control of the supplier, his agents or servants or a Carrier or in the joint possession of the supplier, his agents, servants and the purchaser, shall remain in every respect at the risk of supplier until its actual delivery to the consignee at the stipulated place or destination. The supplier shall be responsible for all loss, destruction, damage or deterioration of or to the material from any cause whatsoever while the material after test and inspection is awaiting dispatch or delivery in course of transit from the supplier to the consignee. The supplier shall alone be entitled and responsible to make claims against the carrier in respect of non delivery, mis-delivery, short delivery, loss, destruction, damage or of the deteriorated material entrusted to such carrier by the supplier for transmission to the consignee.



(ii) **CONSIGNEE'S RIGHT OF REJECTION**

Notwithstanding any approval which the purchaser may have given in respect of the material, it shall be lawful for the consignee to reject the material or any part thereof on behalf of the purchaser within a reasonable time after actual delivery thereof to him at the place or destination specified in Annexure 'B' if the material or any part or portion thereof is not in all respects in conformity with the terms and conditions of the contract whether on account of any loss, deterioration or damage before dispatch or delivery or during transit or otherwise howsoever.

The provision contained in clause 14 (vi) below relating to the removal of material rejected by the purchaser or his authorised agent shall, mutatis mutandis, apply to material rejected by the consignee as herein provided.

(iii) **SUBLETTING AND ASSIGNMENT:**

The supplier shall not save with the previous consent in writing of the purchaser sublet, transfer or assign the contract or any part thereof or interest therein or behalf or advantage thereof in any manner whatsoever.

**5. ASSISTANCE TO SUPPLIER**

The supplier shall be solely responsible to procure any raw material, license or permit required for the fulfillment of the contract. Any assistance for the procurement or attempt to tender assistance in the matter aforesaid, shall not be construed or constitute any promise, undertaking or assurance on the part of the purchaser regarding the procurement of the same to effect any variation in the rights and liabilities of the parties under the contract.

**6. SECURITY DEPOSIT**

- i) The earnest money furnished by the successful tenderers to whom the purchase order/ contract is allotted shall be refunded within 7 days from the verification received from the concerned Bank of performance guarantee as per contract (performa enclosed as **Annexure-VI**) by the accounts wing/DDO. The earnest money of lowest (L-2) shall be released after submission of performance Bank Guarantee by the successful bidder i.e. L-1. For remaining participating firms, EMD shall be refunded after finalization of the procurement case.
- ii) BG shall be retained by the purchaser for the period valid for 90 days after the expiry of warranty period as per clause of 'WARRANTY'.
- iii) No claim of the supplier shall lie against the purchaser either in respect of interest or any depreciation in the value of security deposit.
- iv) If, the supplier fails or neglects to observe or perform any of his obligations under this contract, it shall be lawful for the purchaser to forfeit at his absolute discretion, the Available EMD shall be forfeited and BG shall be encashed besides invoking clauses no. 21 & 28 i.e "Termination of Contract for default" & "Blacklisting of Firm" respectively.

The ibid forfeiture of EMD and encashment of BG shall be without prejudice to the



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right of the purchaser to recover any further amount of any liquidated and/or other damages, undue payment or overpayment made to the supplier under this contract and / or any other contract.

**7. MATERIAL, SPECIFICATIONS, PRICES, ETC.**

- i- The supplier shall supply the quantities of different items of material within the NIT of the best quality, workmanship and strictly in accordance with the prescribed specifications (**Annexure A**) and rates shown against each, unless any deviation in specification has been expressly pointed out in the purchase order.

The rates offered by the supplier and subsequently finalized shall remain Variable / FIRM as specified in Particular Conditions of Schedule-D (Part-II) of NIT documents.

ii- **Periodical Assessment of Rate and Undertaking for Price Fall.**

a) **Periodical Assessment of Rate:**

Since the Rate Contract is for one year thus the rates as finalized will be assessed/verified by the Nodal Agency periodically. In case a downward trend in their market rates are observed. The Nigam shall have the right to review the rates time to time.

b) **Price Fall Clause:**

- i) The prices charged for the material supplied under the rate contract by the firm shall in no way exceed the lowest price at which the firm sales the material to any person/organization Including the purchaser or any other department of the central Govt. or any Deptt. of the State Govt. or any Statutory Undertaking of the Central or State Govt. as the case may be during the delivery period till performance of all supply orders placed during the currency of the rate contracts is completed.
- ii) If at any time during the said period, the firm reduces the rates of the material as contained/ described in the contract or offer to sell such material to any person / Organization including the purchaser or any Deptt. of Central Govt. or any Deptt. of the State Govt. or any Statutory Undertaking of the Central or State Govt. as the case may be, at price lower than the price chargeable under the rate contract, shall forthwith notify such reduction / sale or offer to sale to the Nigam and the price payable under the rate contract for the material supplied after the date of coming into force of such reduction or sale offer to sale, shall stand correspondingly reduced.
- iii) The firm shall furnish the following certificate to the concerned Consignee's along with each bill against the rate contract:-

"I / we certify that there has been no reduction in sale price of the material of description identical to the material supplied to Nigam under the rate contract herein and such material has not been offered and sold by me / us to any person / organization including the purchase of any Deptts. of the Central Govt., any Deptts. of the State Govt., any statutory undertaking of the Central or State Govt. as the case may be upto the date of bill/ date of completion of supplies against all supply orders



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placed during the currency of the rate contract at prices lower than the prices charged to Nigam under the rate contract”.

8. **SAMPLE** :- This clause shall be applicable as specified in Particular conditions of Schedule-D (Part-II)

9. (i) **DELIVERY**

The supplier shall deliver the material in accordance with the terms and conditions of the contract at the time/times and at the place/places and in the manner specified in the Annexure ‘B’ attached thereto. In case the due date of delivery in terms of delivery schedule falls on a holiday including Sunday or holiday is subsequently declared on that date, the firm shall be required to complete the supply by the first working day falling next to the due date.

(ii) **TIME FOR AND DATE OF DELIVERY; THE ESSENCE OF THE CONTRACT.**

The time for and the date of delivery of the material stipulated in the Annexure ‘B’ purchase order shall be the essence of the contract and delivery must be completed not later than the date (s) as specified in Annexure ‘B’/purchase order.

(iii) **NOTIFICATION OF DELIVERY:**

Notification of delivery of dispatch in regard to each and every consignment shall be made to the purchaser and respective consignees. The supplier shall supply to consignee a packing account and full details of the contents of the package and quantity of material in order to enable the consignee to check the material on arrival at destination.

(iv) **Early Supplies:-** This clause shall be applicable as specified in Particular Conditions of Schedule- D (Part-II).

(v) **DAMAGES FOR DELAY IN DELIVERY:**

The delivery of material as per the Annexure “B” attached to the Terms and Conditions of Contract (Schedule ‘D’) shall be the essence of the contract between the supplier and the Nigam and the delivery of such consignment must accordingly be insisted upon the date it is due in terms thereof.

No supplies/consignments received after the due date, on which they were actually due according to the terms of the purchase order, shall be accepted by the consignee except, with the approval of the purchasing authority.

In case the purchasing authority decides to accept a delayed supply, the supplier shall be liable to pay penalty @ one half of one percent per week or part thereof of the value of goods so delayed subject to a maximum of 5% of the total value of the delayed supplies. In case the delivery schedule provides lot wise delivery of material, lot wise penalty shall be imposed.

(vi) **PASSING OF A PROPERTY:**





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Property in the material shall not pass to the purchaser unless and until the material has been delivered to the consignee, in accordance with the terms and conditions.

(vii) **TAKING OVER CERTIFICATES:**

The consignee (s) shall issue a taking over certificate after the material has been received at site (s), taken into possession, inspected, counted, measured and the supplier has supplied the copies of tests and inspection-certificate, if any, vide clause-14 "Test and Inspection".

**10. FORCE MAJEURE:**

The supplier shall not be liable for any loss or damage due to delay in manufacture or delivery of the material for reason arising out of compliance with regulations, orders or instructions of Central/ State Govt.. Acts of God, acts of Civil and Military authorities, fires, floods, strikes, Lockouts, freight embargoes, war-risk, riots and civil commotion.

Whenever the supplier is not in a position to supply the material within the delivery period and he wants extension in the due date (s) of delivery under this clause, he will request for such extension of the delivery period alongwith all necessary evidence, before the expiry of the scheduled date(s) of delivery. In no case, the delivery period shall be extended under this clause, in case the request is received after the due date of delivery has expired. Extension in the delivery period may be granted only for the period for which the completion of the work is proved by the supplier to have been delayed for circumstances mentioned in this clause.

In all such cases, the Nigam shall have the option to accept any portion of the balance material and cancel the order for the rest, provided, however, if any material had been manufactured exclusively for the purchaser under this contract prior to the commencement of the force majeure circumstances, it shall be accepted by the purchaser and secondly, the cancellation will be without any liability for damages on the part of the supplier.

The decision of the purchaser in all matters under this clause shall be final and binding on the supplier.

Non-availability of raw material or any other similar cause shall not be considered as a force majeure circumstance.

**11. WARRANTY:** - This clause shall be applicable as specified in Particular Conditions of Schedule- D (Part-II).

**12. DRAWINGS :-** This clause shall be applicable as specified in Particular Conditions of Schedule- D (Part-II).

**13. MISTAKES IN DRAWINGS:** This clause shall be applicable as specified in Particular



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Conditions of Schedule- D (Part-II).

#### 14. TESTS AND INSPECTION:

The material shall be inspected and tested by the purchaser or his authorised agent before dispatch unless dispensed with in writing by the purchaser. The Supplier shall give to the purchaser at least 10 days advance notice from the date of readiness of material for such inspection and test.

The Inspection call will be generated in a pre-specified format as per **Annexure – IV**.

The vendor /supplier shall also provide a copy of approved QAP, drawings along with the inspection call. Vendor / supplier should give it in writing that he is ready for the inspection.

On receipt of the advance notice from the supplier offering the material for inspection the purchasing authority will get the material inspected and issue the dispatch authorization within 20 days. In case the Inspecting Officer finds on arrival at the supplier's premises that the material was not ready for inspection and that the notice given by the supplier was unfruitful, the firm shall be liable to bear actual expenditure incurred by the Nigam on this account plus a fixed penalty of Rs. 20,000/- for each such call made by the supplier. In addition to above a fixed amount of Rs. 10,000 per officer per-day would also be payable by the bidder in case inspecting officer deputed by Nigam and in case of 3<sup>rd</sup> party inspector, the amount of bills submitted by them. In case of joint inspection, the bidder shall be liable to pay Rs. 10,000 per man-day for the Nigam's inspector and amount of actual bills submitted by the 3<sup>rd</sup> party agency.

**In case the material offered for inspection fails in 1st inspection, the Nigam will have the right to levy a penalty at 0.25 % of the value of offered material. In case the material offered for inspection fail during the 2<sup>nd</sup> inspection, the Nigam will have the right to increase the penalty to 0.5% of the value of offered material. In case, the material offered fails during the 3<sup>rd</sup> and final inspection also, the firm will be liable for penal action viz. encashment of BG, debarring/ blacklisting in future and no further opportunity for inspection would be provided to the supplier firm.**

##### i) FACILITIES FOR TESTS AND INSPECTION:

The Supplier shall, at his own expense, afford to the Purchaser or his authorised agent, all reasonable facilities and such accommodation as may be necessary for such tests and inspection. The Purchaser or his authorised agent shall have full and free access

at any time, during the execution of the contract to the supplier's work for the purpose aforesaid, and he may require the Supplier to make arrangement for inspection of the material or any part thereof at his premises or at any other place specified by the Purchaser or his authorised agent.

##### ii) The Supplier shall provide, without any extra charges, all materials, tools labour and assistance of every kind which the Purchaser or his authorised agent may demand of him for any test and inspection. The purchaser or the authorised agent,



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shall in his sole judgment, be entitled to remove for tests and inspection any of the material to any premises other than his (Supplier's) premises.

iii) **LIABILITY FOR COSTS OF LABORATORY TEST:**

In the event of rejection of material or any part thereof by the purchaser or his authorized agent which is removed to the Laboratory or other place of test, the Supplier, on demand, shall pay to the Purchaser all costs incurred in such removal.

iv) **METHOD OF TESTING:**

The Purchaser or his authorized agent shall have the right to put all the material or part thereof to such tests as he may think fit and proper. The supplier shall not be entitled to object on any ground whatsoever to the method of testing by the purchaser or his authorized agent.

v) The Supplier shall mark or permit the purchaser or his authorized agent to mark all the approved material with a recognized Purchaser's mark. The material which cannot be so marked, shall, if so, required by the Purchaser or his authorized agent, be packed in suitable packages or cases which shall be sealed and marked with such mark.

vi) **REMOVAL OF REJECTED MATERIAL:**

If any material is rejected by the Purchaser or his authorized agent after tests and inspection or by the consignee, the material so rejected shall be removed from the premises of rejection by the supplier at his own cost. Such rejected material shall under all circumstances lie at the risk of the Supplier from the moment of such rejection; and if such material is not removed by the Supplier within a period of 45 days, from the date of notice given by the consignee/Purchasing Department for lifting of such material, Purchaser or his authorized Agent or consignee may dispose of such material in any way at the Supplier's risk and cost and retain such portion of the proceeds as may be necessary to cover any expense incurred in connection with such disposal and shall also be entitled to recover handling and storage charges for the period during which the rejected material is not removed.

vii) **CERTIFICATE OF TEST & INSPECTION**

When the test and inspection have been satisfactory carried out by the purchaser or his representative, the purchaser or his authorized representative shall issue a communication to that effect, the material will then be dispatched by the Supplier according to dispatch instructions of the Purchaser or his authorized representative vide Clause-19 Dispatch Instructions.

viii) **POST RECEIPT INSPECTION:**

The material after receipt in the stores of the Nigam shall be subjected to inspection for its conformity to the specification by a representative of the Nigam in the presence of representative of the contractor/supplier after issuance of e-mail notice/telephonic communication to the supplier/ contractor. In case the firm fails to depute a representative on the specified date, the Nigam would be free to get the material checked in the absence of firms representative for which the firm would



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have no reason to protest at any stage and would be fully responsible of the outcome.

- ix) **TYPE TEST CONDITIONS:** This clause shall be applicable as specified in Particular Conditions of schedule-D (Part-II)
- x) **Non – conformance of material with provisions of technical specification:** - The material offered/received after the inspection by the authorized inspecting officer may again be subjected to the test for losses or any other parameter from any Testing House/in-house technique of the Nigam & the results if found deviating, unacceptable or not complying to approved GTP, the lot shall be rejected and bidder shall arrange to supply the replacement within forty-five (45) days of such detection at his cost including to and fro transportation. In addition to this, a penalty @ 5% of cost of the rejected lot of material shall be imposed.

#### 15. VAT/ CENTRAL SALE TAX

The Purchaser shall pay Central Sale Tax /Value Added Tax at the prescribed rates (if applicable) on the production of the following Certificates by the supplier in triplicate:

- i) Certified that the transaction in which the sales tax /Value Added Tax has been claimed has been/will be included in the return submitted/to be submitted to the Taxation authorities for the assessment of Central Sales Tax and amount claimed from the Haryana DISCOMs has been/shall be paid to the Sales Tax authorities.
- ii) Certified that the goods on which the Sales Tax /Value Added Tax has been charged in Bill No. \_\_\_\_\_ dt. \_\_\_\_\_ for Rs. \_\_\_\_\_ have not been exempted under the Central Sales Tax Act 1956/ Haryana VAT Act 2003 or the rules made thereunder and the charges on account of Sales Tax on these goods are correct under the provision of the relevant Act or the Rules made thereunder.
- iii) Certified that we shall always indemnify the Haryana DISCOMs in case it is found at a later stage, that wrong or incorrect payment had been recovered on account of Sales Tax paid/to be paid by us.
- iv) Certified that we are registered as a dealer under the Central / State Sales Tax/ VAT and our registration No. is \_\_\_\_\_.

Provided that in respect of the item at Sr. \_\_\_\_\_ and of clause – 7 which are required by the Nigam for use on the generation and distribution of electrical energy to the Public, no Haryana Sales Tax/VAT shall be payable as they are exempted under Section-27, Sub-section (I)(a)(III) of Haryana General Sales Tax Act 1973.

#### 16. DOCUMENTATION :

- i) All bills and/or invoices whether in respect of an advance payment or full payment, shall contain complete details of Code No., name of the item, description of material supplied, quantity supplied, rates, details of extra claims, etc. as well as the name of the consignee who received the material, shall be submitted in triplicate, duly accompanied by the receipted good challan, inspection note/test certificate in original, prescribed sales tax/ excise duty certificates, documentary evidence regarding transportation of the material from the place of manufacturing to the contractor and



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then from contractor to the Nigam and excise duty gate pass, where required.

- ii) All freight charges whether paid or to pay, and whether chargeable to the Nigam or included in the quoted price, shall be shown in the invoice separately.
- iii) All bills and/ or invoices shall be sent by the supplier to:

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for payment.

**17. TERMS OF PAYMENT :** This clause shall be applicable as specified in Particular Conditions of Schedule-D (Part-II)

**18. NEGLIGENCE:**

If the supplier shall neglect to execute the supply contract with due diligence and expedition or shall refuse or neglect to comply with any reasonable orders given in writing by the purchaser or his authorized agent in connection with this contract or shall contravene this provision of the contract, the purchaser may give 15 days notice in writing to the supplier to make good the failure, neglect or contravention complained of and should the Supplier fail to comply with the notice within the above said time from the date of service thereof (in case of failure, neglect or contravention capable of being made good, within that time or otherwise within such time as may be reasonably necessary for making it good), then in such case, the purchaser shall be at liberty to take the work wholly or in part out of Supplier's hand and re-contract at a reasonable price with any other person (s). in such event, it shall be lawful for the purchaser to retain any balance which may otherwise be due by him to the Supplier on any account, and apply the same towards the execution of the whole of balance of the supply contract so re-contracted, as aforesaid, if no such balance is due by him to the supplier or if due, is not sufficient to cover the amount thus recoverable from the supplier, it shall be lawful for the purchase to recover the whole or the balance of the amount from the supplier by action at law or otherwise. The remedy under this clause will be in addition to and without prejudice to right available to the purchaser under other clause of these terms and conditions.

**19. DESPATCH OF MATERIAL AND DESPATCH INSTRUCTIONS:**

The supplier shall be responsible to obtain complete Dispatch instructions from the purchaser before the dispatch of each consignment.

The supplier shall sufficiently pack at his own cost the material for transit so as to ensure this being free from loss or damage on arrival without opening the packages while in transit at their destination. All containers in which the material is supplied shall be non returnable.

**20. REPLACEMENT AND REJECTION:**



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Material found sub-standard or defective or not conforming to the prescribed specification in any manner, at consignee's end shall not be accepted and intimation to this effect shall be given to the supplier, the purchasing authority and the Controller of Stores by the consignee. The purchasing authority shall promptly take up the matter with the supplier and ask him to rectify or replace the defective/sub-standard material forthwith and in any case within a period of 45 days from the date of intimation about such defective material by the stores wing, failing which, the Nigam shall reserve the right to get the defect rectified at the supplier's cost or to withhold the amount equal to cost of defective material. The supplier shall also be intimated that all expenses involved in the replacement by way of handling, transportation, storage, etc. shall be to their account. The payments so withheld shall be released after the receipt of repaired/replacement material. In case, the supplier still does not respond for lifting the defective material, despite continuous follow-up, the procedure as prescribed in as per clause no. 21 read with sub-clause 28.1 (a & b) shall be invoked for termination of contract, encashment of BG, imposing LD charges @ 5% of the value of defective/ rejected/ undelivered material and initiation of action for blacklisting etc. Even after expiry of 90 days, if there is no response from the firm, Nigam can deduct the cost of the defective equipments/material from the pending liabilities of the firm, including encashment of the BG of the firm, available with Nigam against the same P.O. or in other cases.

If there is sufficient financial cover against the same or other P.O.s available then the principal supplier can lift the material against the financial cover of same P.O.s. If the financial cover falls short of cost of material to be lifted for repair/replacement than either he would have to deposit the BG of the balance cost of the equipments through DD or cost thereof in cash.

In respect of the defective/sub-standard supplies, the date on which such a supply is replaced shall be reckoned as the effective date of delivery there against and the delay shall be worked out accordingly with reference to the date on which the supply was due as per the terms of contract, for the purpose of determining penalties/liquidated damages recoverable under Clause 9 (v).

## 21. TERMINATION OF CONTRACT FOR DEFAULT

**21.1** The purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, terminate the contract in whole or in part:

- a) If the supplier fails to deliver any or all of the stores within the time period(s) specified in the contract, or any extension thereof granted by the Purchaser; or
- b) If the supplier fails to perform any other obligation under the contract within the period specified in the contract or any extension thereof granted by the purchaser.
- c) If the supplier, in the judgment of the purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the contract (The definition of corrupt or fraudulent practices defined under clause-25).

**21.2** In the event the purchaser terminate the contract in whole or in part. Available EMD submitted by the firm/supplier shall be forfeited and available BG shall be got encashed towards recovery of LD Charges and any other dues from the firm.



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**22. SET-OFF:**

Any sum of money due and payable to the supplier under the contract (including Security deposit returnable to the supplier) may be appropriated by the purchaser and set-off against any claim of the purchaser for the payment of a sum of money arising out of or under this contract or any other contract entered into by the supplier with the purchaser.

**23. SUPPLIER'S DEFAULT LIABILITY :**

In the event of breach of any these terms and conditions by the supplier, the purchaser can terminate the contract without Notice to the supplier at any stage and the supplier shall have no claim whatsoever on the purchaser on this account. But the supplier shall be liable to pay to the purchaser a sum equivalent to 5% of the value of the undelivered material as liquidated damages and not as a penalty.

**24. LAWS GOVERNING THE CONTRACT**

- (i) This contract shall be governed by the Laws of India for the time being in force.
- (ii) Irrespective of the place of delivery place of performance or place of payment under the contract, the contract shall be deemed to have been made at the place from which the acceptance of tender has been issued.
- (iii) Jurisdiction of courts: The courts of the place from where the acceptance of tender has been issued shall alone have exclusive jurisdiction to decide any dispute arising out of or in respect of the contract.

**25. Corrupt or Fraudulent Practices**

The Nigam requires that Tenderers/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of Nigam contracts. In pursuance of this policy, the Nigam:-

- (a) Defines, for the purposes of this provision, the terms set forth as follows:
  - (i) "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution: and
  - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Nigam, and includes collusive practice among Tenderers (prior to or after tender submission) designed to establish tender prices at artificial, non-competitive levels and to deprive the Nigam of the benefits of free and open competition;
- (b) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Nigam contract if it at any time determines that the firm has



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engaged in corrupt or fraudulent practices in competing for, or in executing, a Nigam contract.

## 26. PATENT RIGHTS

The supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

In the event of any claim asserted by a third party of infringement of copyright, patent, trademark or industrial design rights arising from the use of the Goods or any part thereof in the Purchaser's country, the supplier shall act expeditiously to extinguish such claim. If the supplier fails to comply and the Purchaser is required to pay compensation to a third party resulting from such infringement, the supplier shall be responsible for the compensation including all expenses, court costs and lawyer fees. The Purchaser will give notice to the supplier of such claim, if it is made, without delay.

## 27. SETTLEMENT OF DISPUTES

If any dispute or difference of any kind whatsoever arises between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties will make every effort to resolve amicably such dispute or difference by mutual consultation.

If, after thirty (30) days the parties failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of the matter may be commenced unless such notice is given.

## 28. Blacklisting of the Firms:

As the purchase order becomes a valid contract between the purchaser and supplier on the date of its issue, no further changes in the terms and conditions thereof are permissible and any request received in this regard from the supplier should be summarily rejected, making it clear to supply the goods strictly in accordance with the terms and conditions of the contract. It should be noted that such a liability can be enforced on the supplier only if the purchase order does not contain any term or condition contrary to what had been quoted in the supplier's tender. Once this is ensured, any attempt by the supplier to back out of his commitment should be taken seriously and his earnest money deposited be forfeited forthwith, without prejudice to any further legal remedies open to the Nigam under the relevant laws. Where necessary, the case of supplier illegally backing out of the commitment, should also be put up to the Board of Directors for consideration and to decide for black-listing of the firm and damages, if any, to be recovered

### 28.1. Procedure for Blacklisting of firm

*In case the supplier intends to illegally back out of the commitment, the steps for blacklisting of the firm, besides enforcement of damages recoverable under the law will be taken as per procedure given below:-*

- a) *A notice shall be served by the purchasing department on the supplier by registered*





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*post/speed post bringing his defaults to his notice and asking him to complete all pending supplies / or to settle dispute within a period of 15 days from the date of issue of Notice.*

- b) *In case the firm fails to comply with the notice(s), a show Cause notice of 21 days shall be issued why the firm/supplier/contractor should not be blacklisted. In the Show Cause Notice complete details of the case, default committed by the firm/supplier/contractor and details of notices issued by the Nigam shall be incorporated.*
- c) *In case the supplier/firm/contractor fails to comply with the notice issued for blacklisting or does not respond to show cause notice or the reply as submitted is not found justified/convincing. The contract with the firm/supplier shall be terminated inter-alia taking other action as per regulation no. 20 & further the firm may be blacklisted with the approval of BODs.*
- d) *The period of blacklisting of the defaulting firm/ supplier/contractor will be approved upto 3 years by BOD's and shall be notified to all Power Utilities in the country and the names of such blacklisted supplier/contractor would also be put on the website of the Nigam*

## 29. ARBITRATION

All the matters, questions, disputes, differences and / or claims arising out of and /or concerning and /or in connection and /or relating to this contract whether or not obligations of either or both parties under this contract be subsisting at the time of such dispute and whether or not this contract has been terminated or purported to be terminated or completed, shall be referred to the Sole Arbitrator to be nominated by Managing Director/DHBVNL or UHBVNL (as the case may be). The Award of the Arbitrator shall be final and binding on the Parties to this contract. Provisions of the Arbitration & conciliation Act, 1996 and the Rules made there under, the statutory modifications thereof for the time being in force, shall be deemed to apply to the Arbitration proceedings under this clause.

Place :

Date :

Signature of the Supplier.



**SCHEDULE 'D'**

***(Part-II, Particular Conditions of Contract)***

**UTTAR/ DAKSHIN HARYANA BIJLI VITRAN NIGAM LIMITED**

**PARTICULAR TERMS AND CONDITIONS FOR PROCUREMENT OF EQUIPMENT STORES AND OTHER MATERIAL UNDER THE RATE CONTRACT**

The below mentioned terms & conditions shall be applicable in addition to the terms & conditions mentioned in Part-I of Schedule D

**1) PRICE :-**

The prices quoted shall be 'Variable' as per latest applicable IEEMA formula and 'FOR' destination basis anywhere in Haryana. The breakup of prices quoted viz. Ex-works prices, excise duty, cess, sales tax, freight and insurance etc. should be clearly given in schedule of prices as per details in the enclosed Performa, which is a must. The base date for updating the price will be first working day of the month, one month prior to the date of tender opening without any ceiling.

**2) SAMPLE : Not applicable**

**3) Delivery:**

**i) Acceptance Early Supplies**

- a) In case the material is required early by the Nigam and the purchasing authority requests for the same, then the payment and IEEMA would be regulated as per PO provisions i.e. actual delivery (physical) date shall be considered as due date of delivery.
- b) In case any firm supplied the material earlier than the actual due date of supply, then the payment procedure/terms shall remain the same as per terms and conditions and lots due date mentioned in the relevant PO/work order. Moreover, in case of price variation, the lowest IEEMA between the actual (physical) date of delivery and scheduled date of delivery would be made applicable.

**ii) Acceptance of delay supply :-**

In case of delayed supply (beyond overall delivery schedule), the same may be considered and accepted by the purchaser with levy of penalty as per provision of PO and for computing the price variation, the lowest IEEMA indices announced by IEEMA during the intervening period from the due date of supply and the date of actual (physical) delivery, would be made applicable.

In case of delayed lots, for computing the price variation the lowest IEEMA indices announced by IEEMA, during the intervening period from the schedule



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date of delivery to actual (physical) date of delivery, would be applicable.

**4) Warranty:-**

The supplier shall be made responsible to replace free of cost, with no transportation or insurance-cost to the Nigam, up to the destination, the whole or any part of the material which in normal and proper use proves defective in quality or workmanship, subject to the condition that the defect is noticed within 18 months from the date the material is received by the consignee or 12 months from the date of installation of the goods which ever period may expire earlier. The consignee or any other officer of the Nigam actually using the material will give prompt notice of each such defect to the supplier as well as the Purchasing authority and the Controller of Stores. The replacement shall be effected by the supplier within a reasonable time, but not, in any case, exceeding 45 days. The supplier shall also arrange to remove the defective supply within a reasonable period but not exceeding 45 days from the date of issue of the notice in respect thereof, but only after replacement of defective material. Upon the firm failing to do so, the damages/defects may be got rectified by the Nigam and the cost adjusted from the firm's pending dues and/or security deposit against this or any other contract in force and the balance left be got deposited by the supplier. The Nigam may also withhold the amount equal to cost of defective material.

The warranty for 18/12 months shall be one time.

In addition to above, warranty should be extended by the supplier for the period for which the service was not rendered by the material/equipment supplied by the supplier which would be allowable for one occasion only. In case of recurrence, the material/ equipment shall have to be replaced afresh or cost of the material shall be recoverable from the pending liabilities of the supplier/contractor towards Nigam. After completion of overall warranty period, if it is found that any material defective/damaged within warranty period is still lying in the store/field/with the firm then equivalent amount of cost of material as BG shall be accepted. After receipt of fresh BG, the old BG should be released.

In case of breach of contractual obligations with reference to non responding for repairing /replacement of defective material, notices of 15 days & 21 days shall be issued to the firm and in case of still persistence of default, the Nigam shall reserve the right to terminate the contract, encashment of BG towards recovery of damages and further initiation of action for blacklisting.

**5) DRAWINGS:- Not applicable**

**6) MISTAKES IN DRAWINGS: Not applicable**

**7) POST RECEIPT INSPECTION AND SAMPLE TESTING AFTER RECEIPT OF MATERIAL IN NIGAM STORES:-**

Nigam intends to purchase only High Quality material. For this purpose stringent testing of the material shall be done as per Nigam's Quality Assurance Plan (QAP).



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- a) A team of 2 XENs to be nominated by Chief Engineer/MM will carry out random checking to ensure quality and quantity of material received in Nigam's stores.
- b) The team will draw sample from each lot received in anyone of the stores to carry out checking as under:-
  - Genuineness of seals provided during inspection
  - Workmanship of material received in store
  - Quantity of material inspected viz-a-viz received quantity.
  - Quality of material received in the store.
- c) The above said inspection / checking would be carried out to check all physical parameters as per approved technical specifications of the Nigam / Engineering Design / Drawings.

The above said team may draw samples randomly for any material for its testing from any NABL accredited testing lab as approved by the Nigam. **Normally, one sample from any of the lots, (to be decided by purchasing authority) shall be sent to NABL accredited lab (Govt. /Semi Govt. / Private Lab) to carry out the acceptance tests, at Nigam's cost.** If sample fails the entire lot shall be rejected and cost of testing shall be charged from the firm. However, testing of 2nd sample of the same lot may be considered on justified request of the firm & with the approval of Director/Projects, to be decided on merits of each case. In case, 2nd sample is rejected, the entire balance quantity of P.O./R.C. shall be cancelled and firm can be considered for blacklisting after following the procedure prescribed in clause no. 28 of schedule –D (Part-I).

In case of failure of sample from the lot then:-

- Supplier shall have to replace the full quantity of the respective inspected lot supplied to various stores and lying unused at stores as per provision contained under clause no.14(x) of Schedule-D (Part-I).
- For the quantity already utilized against the aforementioned lot in field then a deduction @ 15% (Fifteen Percent) of FOR destination prices of the material utilized shall be made.

#### 8) TYPE TEST CONDITIONS:

The firm/s shall be required to submit the type test certificates as per Nigam's Technical Specifications and relevant ISS along with the tender documents, which should not be more than five years old on the date of opening of tender. Alternatively, the firm/s shall submit an undertaking that the requisite type test certificates shall be submitted within 45 days from the date of issuance of RC. The purchaser departments shall approve the drawing and type tests within 10 days from the date of receipt all the requisite type test certificates.

In case any difference between ISS & Nigam technical specifications, the type test certificates (incorporating the remaining tests, if applicable) issued by NABL accredited testing houses/Govt. approved lab besides international testing house/labs like KEMA, KERI etc. will be supplied by the bidder within 45 days from the date of issue of Rate Contract.



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The type test certificates should be as per IS with latest amendment which will be supplied by the firm for approval of drawing and GTPs, unless stated otherwise specifically.

**In case of delay in submission of detailed type test certificates beyond 45 days from the date of issue of RC, penalty @ 0.05% per day subject to maximum 2% of the contract value shall be imposed.**

**Note: Delay in submission of type test by firm shall not form the basis for relaxation/ extension in delivery schedule in any case.**

#### 9) TERMS OF PAYMENT:-

Subject to any deductions which the purchaser may be authorized to make under this contract, the payment for the material shall be made as under:-

- (a) One hundred percent payment shall be made on 30th day from the date of receipt of material by the consignee or date of submission of documents i.e. bills/invoices in triplicate, receipted challans inspection report, prescribed sale tax/excise duty certificates and excise duty gate pass, wherever required etc., whichever is later.
- (b) The Bank Guarantee of the value of 10% [ 5% in case of Haryana based micro and small enterprises (including khadi and village industries units)] of the contract price of PO for complete requisite period shall be furnished within 15 days from the date of issue of PO which should remain valid for 90 days after the expiry of warranty period (the BG shall be issued by any Nationalized /Private Bank in India, failing which:
  - i) Penalty @ 0.05% per day of the value of BG with a ceiling of 2% of value of BG would be charged from due date of submission, till the BG or DD in lieu of BG is submitted by the firm.
  - ii) In case the performance bank guarantee or DD in lieu of performance security is not submitted within 45 days from the date of issue of PO or the date if any stipulated by the purchasing authority, the Nigam reserve the right to cancel the PO/RC and initiate the action for allotment to L-2 firm.
  - iii) In the event of receipt of material without the receipt of BG, amount equivalent to BG alongwith penalty shall be deducted from the payments due to the supplier. However, on receipt of requisite BG from the firm, the amount deducted in lieu of the BG only, shall be refunded without accrual of any interest thereon and amount of penalty so deducted shall not be refunded.

Further a rebate of 0.05 percent per day shall be availed of by the Nigam if payment is made earlier than the period specified. The rebate will be calculated on the payable amount.

The delay in payment to the suppliers beyond the stipulated credit period indicated in the supply order, unless supported by cogent reasons and approved by a higher authority, would attract penal interest on the defaulting amount @ Rs. 25/- per one lac per day of delay beyond the credit stipulated period. Payment of such interests would be brought to the notice of Administrative Secretary of the



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department and call for fixation of responsibility. In case of delayed supply duly accepted by the purchasing authority, no penal interest on the same shall be applicable.

In case the due date of payment in terms of payment schedule falls on a holiday including Sunday or holiday is subsequently declared on that date, the payment shall be released on the first working day falling next to the due date.

Place :

Date :

Signature of the Supplier.



**Annexure-III**

**PARTICULARS OF THE BIDDER**

1.	Name of the firm	
2.	Postal address.	
3.	Telephone No.	
4.	Fax No.	
5.	Email.	
6.	Type of organization:	
7.	Date of commencement of business.	
8.	Name of proprietor / Partners / Directors and their detail Bio-data.	Page _____ to _____ page
9.	Details of offices other than H.O./Controlling office and other infrastructure available.	Page _____ to _____ page
10.	Detailed organizational structure with background of key personnel.	Page _____ to _____ page
11.	Type of service being offered.	Page _____ to _____ page



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12.	List of clients' alongwith their addresses and contact telephone. Fax Nos. and type of services offered and/or being offered to them. a) Electricity Companies/ Board. b) Others.	Page _____ to _____ page Page _____ to _____ page
13.	Details of Empanelment accreditation Electricity Board/Companies/other Client alongwith empanelment/ accreditation letter.	Page _____ to _____ page
14.	Balance sheet and P&L Accounts of past 3 financial years.	Page _____ to _____ page
15.	Letters/certificates for successful completion of work from Electricity Companies/ Board/other.	Page _____ to _____ page
16.	Details of any collaboration/ tie up with Indian/Overseas Agency/Organization.	Page _____ to _____ page
17.	Any other additional information/certificate.	Page _____ to _____ page
18.	Details of work force with the agency.	





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**ANNEXURE 'A' TO SCHEDULE 'D' (Part-I)**

Specification No. CSC- 44 /R-I/DH/UH/P&D/2015-16  
SPECIFICATION

TECHNICAL

**FOR**

**Three Core HT (11 kV) XLPE POWER CABLES OF SIZES  
50, 95, 150, 185 & 300 mm<sup>2</sup>**

**(CROSS LINKED POLYTHELENE DRY/ GAS CURED)**

Month Issue:

**Common Specifications Committee**

**UHBVN & DHBVN**



## TECHNICAL SPECIFICATION FOR 11 kV XLPE POWER CABLE (CROSS LINKED POLYTHELENE DRY / GAS CURED)

### 1. SCOPE:

This specification covers manufacture, testing before dispatch, supply and delivery of ISI marked, 11 KV grade XLPE insulated screened all Aluminium conductor and PVC sheathed power cables conforming to IS-7098 (Part- Ii)/1985 with up to date amendments, suitable for solidly earthed system manufactured with dry cure technology (Nitrogen gas i.e with inert gas curing during using CCV system only).

### 2. STANDARDS:

Unless otherwise specified, the cable shall conform in all respect to IS: 7098 (Part-II)-1985, IS:8130-1984 and IEC-502 standards with latest amendment thereof.

### 3. CLIMATIC CONDITIONS:

The climatic conditions under which are cables shall operate satisfactorily are as follows

1.	Max. ambient air temperature	60 <sup>0</sup> C
2.	Min. ambient air temperature	(-) <sup>5</sup> 0C
3.	Average Daily max. ambient temperature	40 <sup>0</sup> C
4.	Max. yearly weighed average ambient temperature	32 <sup>0</sup> C
5.	Max. altitude above mean sea level (Meters)	1000
6.	Minimum Relative Humidity (%age)	26
7.	Max. Relative Humidity (%age)	95
8.	Avg. No. of Rainy days/year	120
9.	Avg. annual rainfall	900 mm
10	Maximum wind pressure	195 Kg./m Sq.

**Note:** Moderately hot & humid tropical climate conducive to rust & fungus growth. The climatic conditions are also prone to wide variations in ambient conditions.



Smoke is also present in the atmosphere Heavy lightning also occurs during June to October.

#### 4. PRINCIPAL PARAMETERS:

11 kV (E) Grade XLPE, 3-Core, power cable shall be of high conductivity, stranded compacted, H.D. aluminum circular shaped conductor with XLPE (cross linked Poly Ethylene) Dry/ Gas cured insulation provided with shielding of extruded semi-conducting materials over conductor and XLPE insulation. Each insulated core shall have copper tape screen, laid together and provided with common covering of PVC Inner Sheath (Extruded). Overall galvanized steel strip armor and PVC outer sheath shall be provided. The specification for manufacture of cable shall be conforming to IS: 7098 (Part-II) 1985 (latest edition) for 11KV (E), 3-phase, 50 Hz. Earthed systems.

Outer sheath shall be designed to afford high degree of mechanical protection and shall also be heat, oil, chemical and weather resistant, Common acid, alkalis and sealing solution shall not have adverse effect on material of PVC sheath.

Cable shall be suitable for laying in covered trenches and / or buried under-ground in outdoor.

Cable Parameters :

- |        |  |                   |                        |
|--------|--|-------------------|------------------------|
| (i)    | Voltage grade (U <sub>o</sub> / U)                                 | kV                | : 6.35 / 11            |
| (ii)   | Cores (Nos)  |                   | : 3                    |
| (iii)  | Nominal system voltage   | kV                | : 11                   |
| (iv)   | Highest system voltage   | kV                | : 12                   |
| (v)    | System frequency   | Hz                | : 50                   |
| (vi)   | Variation in frequency   | %                 | : 3                    |
| (vii)  | (b) Maximum allowable temp. under short circuit condition          | 90 <sup>0</sup> C | :                      |
| (viii) | 1.2/50 microsecond lightning impulse wave withstand voltage value. |                   | : 75KVp                |
| (ix)   | 5 Min. Power frequency withstand voltage                           | kV rms            | : 17                   |
| (x)    | System earthing  |                   | : Effectively earthed. |



## 5. GENERAL TECHNICAL REQUIREMENTS:

### Conductor:

The cable conductor shall be made from high conductivity stranded High Density aluminum to form compacted circular shaped conductor having resistance within limits specified in IS: 8130/1984 and any latest amendment to it.

### Conductor shield:

The conductor having semi-conducting screen shall ensure perfectly smooth profile & avoid concentration of stress. The conductor screen shall be extruded in the same operation as the insulation. The semi-conducting polymer shall be cross linked.

### Insulation:

The XLPE insulation shall be suitable for 11 kV system voltage and should be manufactured with Dry /Gas curing process. The bidder shall submit the description of dry /gas curing process, with the clear inclusion of equipments / parameters involved. The manufacturing process shall ensure that the insulation shall be free of voids. The insulation shall withstand mechanical and thermal stress under steady state and transient operating conditions. The extrusion method should give very smooth interface between semi-conducting screen and insulation. The insulation of the cable shall be of high standard quality generally conforming to IS: 7098 (Part – II) – 1985 and any latest amendment to it.

### Insulation shield:

Non-metallic semi-conducting shield shall be provided over the insulation to confine electrical field to the insulation. The insulation shield shall be extruded in the same operation as the conductor shield and the insulation by suitable extrusion process. The XLPE insulation shield shall be of tanded type. Copper metallic overlapped tape shield shall be provided.



### **Filler and Inner-Sheath:**

The sheath shall be suitable to withstand the site conditions and the desired temperature. It shall be of adequate thickness, consistent quality and free from all defects. The PVC sheath shall be extruded. The material of fillers and inner-sheath shall be compatible with the temperature ratings of the cable and shall have no deteriorious effect on any other component of the cable. Central PVC filler shall also, be provided with other peripheral PVC fillers to have proper circular section.

### **Armour:**

Armoring of galvanized steel strip shall be provided. The dimensions of steel strips shall be as per latest edition of IS: 3975 – 1979.

### **Outer-Sheath:**

Extruded type ST-2 PVC outer-sheath, conforming to IS: 5831- (1984) (latest edition) over armoring with suitable additives (to prevent attack by rodents & termites), shall be provided.

### **Construction:**

The cable shall have suitable PVC fillers laid up with insulation cores to have subsequently circular cross-section before the inner sheath is applied. The fillers shall be suitable for operating temperature of the cable.

All materials used in manufacturing of cable shall be new, unused and of finest quality. All materials should comply with the requirements

/ tests as per applicable IS / IEC specification, Indian Electricity Rules and any other statutory provision of rules & regulations.

The PVC material used in the manufacture of cable shall be of reputed manufacturer. No recycled material PVC is permitted. The purchaser reserves the right to ask for documentary evidence of the purchase of various materials, (to be used for the manufacture of cable) as a part of quality control. Quality Assurance plan shall be submitted.



### Current Rating:

The indicative value of continuous current carrying capacity at Maximum conductor temperature of 90 °C (for design purpose by field ) of the various sizes of the cables is given below:

Sr. No.	Size of 3 Core Cable (Sq.mm)	Continuous Current Carrying Capacity in Amp (For 11 kV cable)	
		IN Ground	In air
1	50	130	140
2	95	185	200
3	150	235	265
4	185	270	310
5	300	340	396

The bidder needs to confirm the guaranteed corresponding figures.

Short circuit ratings of various sizes of 3 core cable calculated for duration of one second at maximum temperature of 250<sup>0</sup> C, are given below:

Sr. No.	Size of 3 Core Cable (Sq.mm)	Conductor short circuit rating in kA (rms) (For 11 kV cable)
1	50	4.70
2	95	8.93
3	150	14.1
4	185	17.4
5	300	28.2

The bidder needs to confirm the guaranteed corresponding figures.

The current rating shall be based on maximum conductor temperature of 90 °C with ambient site condition as specified herein. Continuous rated current of cable supplied shall be clearly specified at ambient temp. of 20,30, 40, 50 & 60 °C.

### Operation :

Cable shall be suitable for operation under frequency variation of ±3% and voltage variation of +10% to -15% and combined frequency - voltage



variation of 10% (absolute sum).

Cable shall be suitable for laying in duct or buried underground.

Cable shall have heat & moisture resistance properties. These shall be of type & design with proven record on distribution network service.

Length :

The cable shall be supplied in standard drum length of 300 mtrs.  $\pm 5\%$  tolerance for all the sizes of cable except for 3 C x 300 mm<sup>2</sup> size cable. The drum length for 3C x 300mm<sup>2</sup> cable shall be 200 mtrs.  $\pm 5\%$ . Over all tolerance in total quantity of ordered cables shall be  $\pm 2\%$ .

Identification Mark :

- (i) The cable drum shall be printed with information as per cl. 21;2 of IS and ISI Certification mark. Bidder shall submit xerox copy of valid ISI Licenses with technical bid.
- (ii) For identification of cores, coloured strip of Red, Yellow and Blue colours shall be used for identification of phases. Following details of identification shall be embossed at intervals of length of one meter of cable outer sheath. (a) Name of manufacturer (b) year of manufacture (c) voltage grade  
(d) Name of purchaser "DHBVN/UHBVN" (e) ISI certification mark.

## 6. TESTS:

### (A) Type Tests:

Type tests certificates for following type tests shall be furnished invariably with the offer:

- (a) Tests on conductor :
  - (i) Tensile test
  - (ii) Wrapping test
  - (iii) Resistance test
- (b) Tests for armouring strips / wires. :
- (c) Tests for thickness of insulation and sheath. :
- (d) Physical tests for insulation. :
  - (i) Tensile strength and elongation at break.
  - (ii) Ageing in air oven
  - (iii) Hot set
  - (iv) Shrinkage test
  - (v) Water absorption
- (e) Physical tests on outer seath :
  - (i) Tensile strength and elongation at break.



- (ii) Ageing in air oven
- (iii) Shrinkage test
- (iv) Hot deformation
- (v) Bleeding and blooming test
- (f) Partial discharge test
- (g) Bending test
- (h) Dielectric power factor test
  - i) as a function of voltage
  - ii) as a function of temperature
- (i) Insulation resistance test (volume resistivity)
- (j) Heating cycle test
- (k) Impulse withstand test
- (l) High voltage test
- (m) Flammability test

#### Acceptance Test:

The selection of sample pieces for acceptance test shall be from 10% drums of each lot offered for inspection or part thereof. The minimum shall be one drum.

The following acceptance tests shall be carried as per IS: 7098 (Part-II) – 1985 out on the selected samples.

- (a) Annealing test (for copper)
- (b) Tensile test (for aluminum)
- (c) Wrapping test (for aluminum)
- (d) Conductor resistance test.
- (e) Test for thickness of insulation and sheath
- (f) Hot set test for insulation
- (g) Tensile strength and elongation at break test for insulation and sheath.
- (h) Partial discharge test (for screened cables only)
- (i) High voltage test for 4 hours (as per cl. No. 19.7.1)
- (j) Insulation resistance (volume resistivity) test.

All the acceptance tests shall be carried out by the firm, in the presence of purchaser's representative at their works. The firm shall give atleast 15 days' advance notice to the purchaser to enable him to depute the engineer for witnessing the tests. The test certificates for acceptance tests witnessed by inspecting officer/ engineer shall be submitted for approval before dispatch of material.

#### Tests:

The Inspector may inspect the following routine test for at the time of inspection .

- (a) Conductor resistance test
- (b) Partial discharge test





(c) High-voltage test for 5 minutes [as per Clause 19.7.2 of IS: 7098 (Part-II) – 1985].

#### **7. INSPECTION:**

The inspection may be carried out by the purchaser at any stage of manufacture. The successful bidder shall grant free access to the purchaser's representative at reasonable time, when the work is in progress. Inspection and acceptance, of any cables under this specification by the purchaser, shall not relieve the supplier of his obligation of supplying cable in accordance with the specification and shall not prevent subsequent rejection, if the cables are found defective.

The supplier shall keep the purchaser informed in advance about the programme of manufacturing of cables so that arrangement can be made for inspection.

The purchaser reserves the right to insist for witnessing the acceptance / routing tests of the bought out items.

#### **8. DOCUMENTATION:**

The bidder shall furnish following documents along with his offer.

Sectional view, showing the General constructional feature with conductor / conductor screen / insulation / armoring / inner and outer sheath etc.

Drawing of cable drums with details of material dimension and paint etc.

All the required type test reports for offered items tested at any Government recognized Laboratory as stated under Clause No. 6.1 (B).

Literature, pamphlets for the supplied items.

#### **9. PACKING AND FORWARDING:**

The cable shall be wound on wooden drums as per IS: 10418 – 1972 and packed in drums suitable for vertical / horizontal transport, as the case may be and shall be suitable to withstand rough handling during transport and outer storage. The outer surface of the drum shall be painted with white aluminum paint. Similarly, the inside surface of drum shall have the protective layer of varnish / paint .

The wooden drums shall be reinforced with steel bends and strips for better protection.

The ends of the cable shall be sealed by means of non- hygroscopic sealing material.



The following information be stenciled on the drum with either water proof ink or oil paint:

- i. Reference of IS / IEC standard.
- ii. Manufacturer's name or trademark.
- iii. Type of cable and voltage grade.
- iv. No. of cores.
- v. Nominal cross-sectional area of conductor. vi. Cable code.
- vii. Length of cable on the drum
- viii. No. of lengths on the drum (if more than one)
- ix. Direction of rotation of drum (by means of an arrow)
- x. Position of outer end of cable
- xi. Gross weight
- xii. Year of manufacture
- xiii Reference of Tender No. / P.O. No. date
- xiv Property of \_\_\_\_\_.
- xv. Name of consignee and the destination.

The drum may also be marked with ISI Certification Mark.

The firm shall be responsible for any damage to the cables during transit due to improper and inadequate packing. Wherever necessary, proper arrangement for lifting, such as lifting hooks, shall be provided. Any cable found short inside the packing cases shall be supplied by the supplier, without any extra cost.

Each consignment shall be accompanied by a detailed packing list, containing the following information:

- (a) Name of consignee
- (b) Details of consignment
- (c) Destination
- (d) Total weight of consignment
- (e) Handling and unpacking instruction
- (f) Bill of materials, indicating contents of each package.

## 10. TECHNICAL AND GUARANTEED PARTICULARS:



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The bidder shall furnish all Guaranteed Technical Particulars, as called for, in Appendix - I of this Specification. Particulars, which are subject to guarantee, shall be clearly identified. Offer not containing these information will not be considered for acceptance.

Superintending Engineer/P&D,  
Common Specification Committee,  
UHBVN &DHBVN



**SCHEDULE OF GUARANTEED TECHNICAL PARTICULARS FOR  
11KV XLPE POWER CABLE**

(To be filled in and signed by the Tenderer)

1.00.0 GENERAL:

- 1.01.0 Name of Manufacturer :
- 1.02.0 Place of Manufacturing :
- 1.03.0 Applicable standard IS/IEC :
- 1.04.0 Design ambient temperature  $^{\circ}\text{C}$  :
- 1.05.0 Cable size(s) of cable offered  
: mm<sup>2</sup>

**Note: (Fill – up separate column for the following particulars for each type  
& size of cable)**

2.00.0 CABLES:

- 2.01.0 Voltage grade ( $U_0 / U$ ) :
- 2.02.0 Whether suitable for neutral  
: earthed / unearthed  
System
- 2.03.0 Permissible voltage & frequency : a) Voltage  
variation for satisfactory operation b) Frequency  
c) Overall
- 2.04.0 Nos. of cores & size :
- Continuous current carrying : capacity  
For standard condition as per IS
- 1) In air (Amp.) :
- 2) In ground ( “ ) :
- 3) In duct ( “ ) :
- 4) In trench ( “ ) :
- For site condition :
- 1) In air (Amp.) :
- 2) In ground ( “ ) :



- 3) In duct ( " ) :
- 4) In trench ( " ) :
- 3.00.0 **CONDUCTOR:**
- 3.01.0 **Material & its applicable IS.** :
- 3.02.0 Shape of conductor :
- 3.03.0 Nominal cross section area (mm<sup>2</sup>) :
- 3.04.0 Number of wires per core :
- 3.05.0 Nominal area of each wire used in each core of the conductor as a) Diameter mm  
b) Cross section mm<sup>2</sup>:
- 4.00.0 **CONDUCTOR SCREENING:**
- 4.01.0 **Type** :
- 4.02.0 **Material & its applicable IS.** :
- 4.03.0 Max. working temp °C :
- 4.04.0 Nominal thickness (mm) :
- 5.00.0 **INSULATION:**
- 5.01.0 **Material & its applicable IS** :  
a) Thickness of insulation (mm)  
b) Between cores :  
c) Between cores & inner sheath :
- 5.03.0 Tolerance in thickness (percent) of insulation :
- 5.04.0 Diameter of core over insulation :  
(mm)
- 5.05.0 Specific resistance of insulation at :  
ninety (90) degree Centigrade  
(Ohm-Cm)
- 6.00.0 **INSULATION SCREENING:**
- 6.01.0 **Material & its applicable IS.** :  
1) Thickness (mm):  
2) Semi-conducting part :



- 3) Metallic part (copper tape) :
- 6.03.0 Whether overlapping provided for copper tape :
- a) Current carrying capacity :
- b) Continuous (Amps.) :
- c) S.C. current duration of 3-Sec. (KA) :
- d) S.C. current duration / sec.(kA) :
- 6.05.0 Diameter of core over screening (mm) :
- 6.06.0 Whether insulation screen is removable without the application of heat :

**FILLER:**

- 7.01.0 Material & its applicable IS :
- 7.02.0 Whether suitable for Operating temperature of Cable : Yes/ No
- 7.03.0 No of fillers provided including central filler :
- 8.00.0 **INNER SHEATH:**
- 8.01.0 Material & its applicable IS :
- 8.02.0 Extruded or wrapped :
- 8.03.0 Thickness (mm) :
- 8.04.0 Diameter of cable over inner-sheath (mm) :
- 9.00.0 **ARMOURING:**
- 9.01.0 Material & its applicable IS :
- 9.02.0 Type of armouring :
- 9.04.0 Nos. of strips :
- 9.05.0 Diameter of cable over armouring :
- 9.06.0 Current carrying capacity of armour :



- a) on continuous basis (Amp)
- b) short circuit current duration of :  
1 sec (KA)
- 10.00.0 **OUTER SHEATH:**
- 10.01.0 Material & its applicable IS. :**
- 10.02.0 Thickness of sheath :
- 10.03.0 Tolerance on thickness of sheath :
- 10.04.0 Over all diameter of cable (mm) :
- 10.05.0 Scheme for identification :
- 11.00.0 **CABLE CONSTANT:**
- 11.01.0 AC resistance per core at :  
operating temp. (Ohm/KM)**
- 11.02.0 DC resistance per core at 20<sup>0</sup>C :  
(Ohm/KM)
- 11.03.0 Reactance per core (Ohm/KM) :
- 11.04.0 Capacitance per core :  
(Microfarad/ KM)
- 11.05.0 Insulation resistance at 27<sup>0</sup>C :  
(Ohm/ KM)
- 11.06.0 Loss tangent :
- 11.07.0 Dielectric constant :
- 11.08.0 Maxi. Cable charging current at :  
normal rated voltage  
(Amp/KM)
- 12.00.0 **OTHER PARAMETERS:**
- Recommended minimum braiding :  
radius (mm)**
- 12.02.0 Safe pulling force :
- 12.03.0 Cable weight (Kg./KM) :
- 13.00.0 **CABLE DRUM:**
- 13.01.0 Net weight of cable (Kg.) :**
- 13.02.0 Drum weight (Kg.)



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- 13.03.0 Shipping weight (Kg.) :
- 13.04.0 Whether ISI Mark shall be :  
indicated on drum (Yes/No)
- 13.05.0 Length of cable per drum (Meter) :
- 14.00.0 Whether details shall be :  
embossed as stated under Cl.  
1.9.4 of Technical Specification  
(Yes/No)
- 15.00.0 Whether type test reports :  
submitted, as stated under Cl.  
6.1 of Technical Specification  
(Yes/ No)
- 16.00.0 Whether drawings submitted as :  
specified under Cl. 8.1.1 & 8.1.2 of  
Technical Specification. (Yes/ No)

Whether unpriced schedule of : offered items submitted with Technical offer. (Yes/ No)

\_\_\_\_\_  
SEAL OF FIRM

\_\_\_\_\_  
SIGNATURE OF TENDERER





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Specification No.- CSC- XXX/R-I/DH/UH/P&D/2015-16

TECHNICAL SPECIFICATIONS FOR 11 KV CROSS -  
LINKED POLY ETHYLENE INSULATED PVC SHEATED  
SINGLE CORE- 630 mm<sup>2</sup> POWER CABLE

Common Specifications Committee *UHBVN &*  
*DHBVN*



TECHNICAL SPECIFICATION FOR 11 KV CROSS-LINKED POLY ETHYLENE INSULATED PVC  
SHEATHED SINGLE CORE POWER CABLE.

1. SCOPE: -

This specification covers the manufacture, testing & inspection at manufacturer's work, supply & delivery F.O.R. destination of 630 mm<sup>2</sup> single core XLPE insulated PVC sheathed cable, suitable for solidly grounded system.

2. PARTICULARS OF THE SYSTEM: -

The cable shall be suitable for use on 50 cycles, 3 phase solidly earth neutral system & for working voltage of 11 KV.

3. STANDARDS: -

The cable covered under this specification shall conform in all respect with the latest editions of IS-7098 (part-2) 1985 & IS-8130-1984 & IEC: 502.

4. SERVICE CONDITIONS:

The cable to be supplied against this specification shall be suitable for satisfactory continuous operation under the following tropical conditions: -

1.	Max. ambient air temperature	60°C
2.	Min. ambient air temperature	(-)5°C
3.	Average Daily Max. ambient temperature	40°C
4.	Max. yearly weighted average ambient temperature	32°C
5.	Max. altitude above mean sea level (Meters)	1000
6.	Minimum Relative Humidity (%age)	26
7.	Max. Relative Humidity (%age)	95
8.	Avg. No. of Rainy days/year	120
9.	Avg. annual rainfall	900 mm
10.	Maximum wind pressure	195 Kg./m Sq.

**Note:** Moderately hot and humid tropical climate conducive to rust and fungus growth. The climatic conditions are also prone to wide variations in ambient conditions. Smoke is also present in the atmosphere. Heavy lightning also occurs during June to October.



5. TECHNICAL PARTICULARS: -

11 KV, Single core under ground XLPE insulated PVC sheathed cable suitable for working potential of 11 KV on earthed system manufactured in accordance with IS: 7098 (Part-2) 1985 with latest amendments. The aluminum conductor shall comply with requirements specified in IS: 8130-1984 with latest amendments. The insulation shall be chemically cross linked poly ethylene confirming to the physical, electrical and ageing property as required in latest edition of IS-7098 (Part-2)-1985. cable shall be provided with both conductor screening and insulation screening.

The conductor screening shall be non-metallic and shall consist of either semi- conducting tape or a layer of semi-conducting compound or combination of two. The insulation screening shall consist of non- metallic semi conducting tape or extruded semi conducting compound layer in combination with non-magnetic metallic shield. Armoring shall be arranged over the core and it shall be of non-magnetic material. The material for the Armoring shall be as per relevant ISS. Over the armoring the cable shall be provided with extruded PVC outer sheath. The composition of PVC compound shall be type ST-2 of IS-5831-1984. The colour of outer sheath shall be black or grey.

6. SIZE: - The size of the cable shall be single core 630 mm<sup>2</sup>.

7. TESTS: -

7.1 Type Tests: -

The type test certificate should be submitted as per requirement of ISS-7098/IEC-502

7.2 ROUTINE AND ACCEPTANCE TESTS:-

All routine and acceptance tests shall be carried as per relevant ISS in the presence of Nigam's representative.

8. INSPECTION: -

All tests and inspection shall be made at the place of the manufacturer unless otherwise especially agreed upon by the manufacturer and the purchaser at the time of purchase. The manufacturer shall afford the inspector representing the purchaser, all reasonable facilities, without charge, to satisfy him that the material being supplied is in accordance with the specification.



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The purchaser has the right to get the tests carried out at his own cost by an independent agency, whenever there is a dispute regarding the quality of the supply.

9. PACKING: -

The cable shall be supplied in non-returnable wooden drums as per IS: 10418:1982 so constructed, as to enable the cable to be transported on each drum. The cable wound on such drum shall be one continuous length. The ends of cables shall be sealed by means of non- hydroscopic sealing material.

10. MARKING: -

The marking on the drum shall have the following information:

- (a) Reference to Indian standard & cable code.
- (b) Name of the manufacturer & trade name.
- (c) Nominal cross section area of conductor for the cables
- (d) Number of core.
- (e) Sequential No. at each meter.
- (f) Type of the cable & voltage for which it is suitable.
- (g) Length of Cable on the drum.
- (h) Approximate gross weight.
- (i) Net weight of the cable.
- (j) Drum identification number.
- (k) P.O. No. & Date.
- (l) Consignee's name with designation.
- (m) Year of manufacture.

**Note:** Cable should be marked with ISI Certification mark.

11. DRAWINGS & INSTRUCTION MANUAL: -

The Bidder shall supply the following drawings with the bid: -

- (i) Detailed drawing of the cable showing conductor, screening insulation, armoring, outer sheath etc.
- (ii) Detailed drawing showing jointing of cable & sealing of end boxes copies of instruction



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manuals for testing, installation, jointing, operation & maintenance of cables shall also be submitted with the offer for reference of the purchaser.

Superintending Engineer/P&D,  
Common Specification Committee,  
UHBVN & DHBVN

GUARANTEED TECHNICAL PARTICULARS FOR 11 KV UNDER GROUND CABLE (XLPE)



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S.N.	Particulars	Unit
1	Name of manufacturer	
2	Type of cable.	
3	Voltage rating	KV
4	Applicable standard	
5	Conductor. (a) Material. (b) No. & Nom. Area. (c) Min. No. of wires in each strand (d) Dia of each wire in strand (e) Shape	
6	Conductor screen: (a) Material. (b) Thickness	mm
7	Insulation. (a) Material (b) Thickness	mm
8	Insulation screen. (a) Non-metallic part. (i) Material. (ii) Thickness. (b) Metallic part. (i) Material (ii) Thickness	mm mm
9	Core identification	
10	Inner sheath (a) Material (b) Nom. Thickness	mm
11	Armour (a) Material (b) Nom.dimension	mm
12	Outer sheath (a) Material (b) Nom. Thickness	mm
13	Approx. overall dia of cable	mm
14	Standard packing length	Metre
15	Approx. weight of cable	Kg/ 100m
16	Min. bending radius	mm
17	Max. D.C. resistance of conductor at 20°C	Ohm / Km
18	Approx. A.C. resistance of conductor at maximum Operating temperature.	Ohm / Km
19	Approx. Reactance at 50 Hz.	Ohm / Km



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20	Approx. Capacitance per phase	mfd / Km
21	Continuous current carrying capacity under standard Conditions. (a) In Air at 40 0C (b) In ground at 30 0C (c) In duct at 30 0C	Amps. Amps. Amps.
22	Derating factor for variation (a) In ambient air temp. (b) In ground temp.	
23	Maximum permissible conductor temperature (a) at rated current (b) at short circuit condition	
24	Short circuit rating of conductor for one-second duration.	KA



ANNEXURE 'B' TO SCHEDULE 'D'(Part-I)

**SCHEDULE OF DELIVERIES**

Sr. No.	Name of item Specification	Name of consignee	Delivery Schedule
1.	HT (11KV) XLPE U/G Cable of following sizes conforming to Nigam's technical Specification No. CSC-44/R-I/DH/UH/P&D/ 2015-16 & CSC-XXX/R-I/DH/UH/P&D/2015-16 read with amendment thereof and as per relevant i) 3Cx50 Sq.mm ii) 3Cx95 Sq.mm iii) 3Cx185 Sq.mm iv) 3Cx300 Sq.mm v) SCx630 Sq.mm	Any Where in Haryana	<b>To be decided/approved by CE/MM while issuing NIT</b>  For the 1 <sup>st</sup> P.O., the 1 <sup>st</sup> lot of Cables (1/3 <sup>rd</sup> of ordered qty.) shall be delivered in the stores within 45 days of the receipt of detailed P.O and the balance supply shall be made in 2 equal lots of 45 days each. For subsequent POs the delivery shall be made in 3 equal lots of 45 days from the date of receipt of respective PO

Note:-

1. The delivery schedule as mentioned above shall be read in conjunction with the clauses of type test and drawing mentioned in schedule – D ( Part- II ) , wherever applicable.
2. The material should be supplied to the consignees within 15 days of issue of dispatch authorization or within contractual delivery period whichever expires earlier. After this period, the firm will supply the material at its own risk and responsibility. The acceptances of such material with or without re-inspection upto the scheduled delivery period shall be at the sole discretion of Chief Engineer/MM, UHBVN/ DHBVN. Thereafter, Nigam will have a right to refuse or accept such delayed material on the applicable rates, terms & conditions.

Name & Full Address of Tenderer

Place:

Date:





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**ANNEXURE – IV**

***Format for raising Inspection Call by the Vendor / Supplier***

From, Name of the Firm with Complete Address

To, Concerned Department (CE/MM)  
Address

**Subject:-** Inspection Call for \_\_\_\_\_ No [Items] as per Work Order / Purchase Order No -  
\_\_\_\_\_ dt. \_\_\_\_\_

Sir,

This is with reference to subject cited Work Order / Purchase Order. We would like to inform that below mentioned material is ready for inspection:

Sr No	Item Description	Quantity as per WO/PO	Quantity already Inspected & supplied	Quantity offered for Inspection	Balance Quantity	Contract Delivery Period

It is requested to kindly depute an officer for inspection of the materials. The name and contact details of the person responsible for getting the inspection conducted is:-

\_\_\_\_\_ [Contact Details of Person]  
\_\_\_\_\_ [Date and Place for Inspection]

Signature  
Name  
Designation  
Company Seal

**Note:-**



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Annexure – V

(TO BE FILLED IN AND SIGNED BY THE TENDERER)

### **SCHEDULE OF DEVIATIONS**

We/I have carefully gone through the Technical Specification and the general conditions of contract and we/I have satisfied ourselves/myself and hereby confirm that our/my offer strictly conforms to the requirements of the Technical Specifications and general conditions of contract except for the deviations which are given below:-

Sr. No.	Description	Stipulation in specification	Deviations offered	Remarks.
A.	<b>Commercial Terms:</b>			
	Clause No.			
B.	<b>Technical Specifications:</b>			
	Clause No.			

(Please use more Sheets, if required).

Dated: \_\_\_\_\_  
Place: \_\_\_\_\_

Designation  
Name  
Status  
Whether Authorized Signatory of the  
Tendering Company  
Name of the Tendering Company



## **BANK GUARANTEE PROFORMA**

This agreement is made this \_\_\_\_\_ day of \_\_\_\_\_ (a) \_\_\_\_\_ between \_\_\_\_\_ (b) a company registered under banking Companies Act/or any other Act to be specified, having its registered office at \_\_\_\_\_ (c) called the guarantor which expression shall unless repugnant to the context or meaning thereof, include its successors and assigns of the first part M/s \_\_\_\_\_ (d) a Company/firm registered under the companies Act 1956/ partnership firm/proprietorship firm having its registered office at \_\_\_\_\_ (e) (hereinafter called the suppliers which expressions shall unless repugnant to the context or meaning thereof, include its successors and assigns) of the second part at the DHBVNL, a body corporate under company Act 1956 (hereinafter called the purchaser, which expressions shall unless repugnant to the context or meaning thereof, include its successors and assigns) of the third part.

Whereas the supplier has interalia agreed with the purchaser to supply the purchaser \_\_\_\_\_ (f) on the terms and conditions contained in the contract No. \_\_\_\_\_ dated \_\_\_-- (g) placed by the purchaser on the suppliers and accepted by the suppliers.

And whereas under clause \_\_\_\_\_ (h) of the said contract, the supplier is required to furnish a bank guarantee for a sum of Rs. \_\_\_\_\_ (i) being the \_\_\_\_\_ (j) value of all the consignments of the above material on account of retention money, which but for this guarantee value be withheld by the purchaser till such time that the material is received in good condition and in accordance with the specification of the same to guarantee the payment of the retention money on bills submitted against supply of material/repair of equipment on order from time to time upto a maximum amount of the sum Rs. \_\_\_\_\_ (k).

And whereas at the request of the supplier the purchaser has agreed not to retain \_\_\_\_\_ (l) of the contract price of all the consignments and in lieu thereof to accept Bank Guarantee from the Guarantor for the due performance of the said contract by the said supplier on the terms and conditions herein contained. Now this deed, therefore, witnesseth and it is hereby agreed by and between the parties hereto as follows:-

The Guarantor hereby guarantees to the purchaser the quality, workmanship and design of all the consignments of \_\_\_\_\_ (m) in accordance with the prescribed specifications and the terms of the said contract and agrees to indemnify and keep indemnified the said purchaser to the extent of Rs. \_\_\_\_\_ (n) in the aggregate against all losses, damages, costs, charges and expenses which maybe suffered or incurred by the purchaser on account of any defect in the material supplied or on account of any breach on the part of said supplier or any of the terms and conditions of the said contract in the supply/repair of the consignments. The guarantor further agrees the said purchaser shall be the sole judge whether the supply/repairs have been made according to the prescribed specifications, design and workmanship as laid down in the said contract and the supplier had committed breach or breaches of any of the terms and conditions of the said contract and the extent of loss/damage, cost, charges, l or expenses suffered or incurred by the purchaser on account thereof and the guarantor shall immediately on receipt of any claim or claims from the said purchaser pay to the extent of the amount specified above "without demur or objection".

The guarantor further agrees that this guarantee shall remain in full force and effect



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for \_\_\_\_\_(o) months from the date of dispatch of material by the said supplier under the said contract i.e. upto \_\_\_\_\_(p)

The guarantor also agrees and undertakes not to revoke this guarantee before the same is discharged as aforesaid except with the previous consent of the said purchaser in writing.

The guarantor here by further agrees that the said purchaser shall have the full liberty without effecting in any manner the obligation of the guarantor hereunder with or without the consent of the guarantor to vary any of the terms of the said contract or to extend time for performance of the said contract by the supplier from time to time or to postpone for any time or from time to time any of the power exercisable by the purchaser against the said supplier and either to forbear or enforce any of the terms or conditions relating to the said contract and the guarantor shall not be relieved from his liability by reasons of any variation or any extension being granted to the said supplier or for any forbearance, act or omission on the part of the said supplier or any indulgence by the said purchaser to the said supplier or any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving the guarantor. Nor shall it be necessary for the said purchaser to sue the said supplier before suing the said guarantor for the amount/damages due under the deed of guarantee.

In witness whereof the parties hereto put their respective hands on the day and the year first above mentioned.

1. Witness

2. Witness

Signature of the Guarantor

1. Witness

2. Witness

Signature of the Supplier

1. Witness

2. Witness

Signature of the CE/MM

For & on behalf of the DHBVN

**Note:--**

1. Date of execution of Bank Guarantee.
2. Name of Bank
3. Complete address of the Bank.
4. Name of the supplier
5. Permanent address of the firm
6. Quantity and description of material
7. PO No. and date
8. Payment clause
9. Amount of Bank Guarantee
10. %age of the contract price
11. Amount of Bank Guarantee should be both in figure and words
12. Name of the material
13. Bank guarantee amount
14. Number of months



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15. Date of validity



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Annexure – VII

**Format of Affidavit for last completed Purchase Order**

I \_\_\_\_\_ Son of Shri \_\_\_\_\_ resident of \_\_\_\_\_ solemnly affirm and declare that I am holding the position as \_\_\_\_\_ the M/s \_\_\_\_\_ and I further hereby declare that.

1. Our last supply to any Govt. Power Utility in India is of \_\_\_\_\_ Power Transformers of rating \_\_\_\_\_ to \_\_\_\_\_ (Name of the Power Utility) against P.O. No. \_\_\_\_\_ dated \_\_\_\_\_ and we have supplied more than 50% of ordered quantity within delivery schedule (copy of P.O. along with copy of receipted challan enclosed)

Deponent

Verification

I, the above said deponent solemnly affirm and declare that the above said statement is true and correct to the best of my knowledge and belief and nothing has been concealed therein.

Deponent \_\_\_\_\_

Date:-

NIT No. \_\_\_\_\_

Enquiry No. \_\_\_\_\_

Attested by Notary Public



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**Annexure – VIII**

TO BE SUBMITTED ON FIRMS LETTER HEAD

***DULY ATTESTED BY CHARTERED ACCOUNTANT***

The firm M/s \_\_\_\_\_ has supplied following quantity of material to state/Central Govt. organization during last 5 years.

Sr. no.	Financial year	Name of the item	Quantity billed	Total bill value of items	Remarks
1.					
2.					
3.					
4.					
5.					

(The above information should be supported by documentary evidence)



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Annexure – IX

## ***Undertaking***

From

To

The Chief Engineer/MM,  
DHBVN, Hisar

**Subject;- Undertaking in respect of Tender Enquiry no. QD- for the procurement of HT (11KV) XLPE U/G Cables.**

We hereby confirm our unconditional acceptance of all the terms and conditions mentioned in the tender documents against your tender enquiry no. QD- \_\_\_\_\_ for the procurement of **HT (11KV) XLPE U/G Cables** . The material shall be supplied strictly as per technical specification of the Nigam/relevant ISS without any deviation.

\_\_\_\_\_  
(Authorized Signatory of the firm)





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Annexure – X

## **AFFIDAVIT FOR NON BLACKLISTING**

(On NJSP)

I, \_\_\_\_\_ Director of M/S  
\_\_\_\_\_ with Headquarter  
at \_\_\_\_\_ being their authorized  
signatory, do hereby solemnly affirm and declare that M/S \_\_\_\_  
\_\_\_\_\_ has not been blacklisted by any State/Central  
Govt. or any of its agencies. I understand that if upon acceptance of our offer dated  
\_\_\_\_\_ against UHBVN tender enquiry No. \_\_\_\_\_ for supply of  
\_\_\_\_\_ any P.O. is placed upon us, the same is liable to be  
cancelled if this declaration is found wrong at any subsequent time and further I understand to  
compensate the UHBVN, for the consequences arising out of wrong declaration.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attested by Notary Public



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Annexure-XI

***Price Schedule as provided in the Electronic tender at website***

Sr. No.	Description of Item	NIT quantity	Place of Billing (Haryana/Out of Haryana)	Quantity Offered	Ex-work Price (Rs./Unit)	Excise Duty (%)	VAT/CST (%)	Freight and Insurance Charges (Rs/Unit)	Any Other duties or taxes (Rs./Unit)	Discount (Rs./Unit)	Landed Cost Formula