



उत्तर दक्षिण हरियाणा बिजली वितरण निगम

UTTAR DAKSHIN HARYANA BILJI VITRAN NIGAM



Uttar Haryana Bijli Vitran Nigam Limited

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NOTICE INVITING TENDERS

(Only through e-procurement)

NOTICE INVITED TENDER No. /UH/MM/XEN/MM-

DATED: . . .20

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

Description of item	Total qty.	Est. cost
11 KV 45 KN Polymer Type Disc Insulator as per Nigam Technical Specification no. 84.SE/R-I/P&D/Xen-DD-II		
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.uhbvn.org.in/web/portal/tenders

General Manager/P-II (MM)
UHBVN, Panchkula

For Publication only



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Schedule-A

UTTAR HARYANA BIJLI VITRAN NIGAM

NOTICE INVITING TENDER

(Only through e-procurement)

SCHEDULE OF TENDER (SOT)

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

Offer are invited for procurement of following material through fixing the rate contract on 'FIRM & '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 issue of rate contract and can be extended further for one more year with mutual consent.

SCHEDULE OF MATERIAL: -

T.E. no.	Description of material	UHBVN		DHBVN		Total	
		Min	Max	Min	Max	Min	Max
QH-	11 KV 45 KN Polymer Type Disc Insulator as per Nigam Technical Specification no. 84.SE/R-I/P&D/Xen-DD-II						

- 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 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

General Manager/P-II (MM)
UHBVN, Panchkula

For Uploading on website only



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, IInd Floor,
Sector – 16,
Panchkula – 134108
E - mail: 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>.
- 7 **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:

- a. Debit Card
- b. Net Banking
- c. 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) Net banking

The procedure for paying through Net banking will be as follows.

- (i) Bidder selects Net banking 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 Net banking payment gateway screen displaying list of Banks
- (v) Bidder chooses his / her Bank
- (vi) The Net banking gateway redirects Bidder to the Net banking 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 Net banking 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.

- i. 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.
- ii. 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.
- iii. 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:

- iv. 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.
- v. 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.
- vi. 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



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11. Corporation Bank
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. Indusind 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



NECESSARY INSTRUCTION/TERMS & CONDITIONS FOR THE BIDDER

Sr. No.	Necessary instruction/Terms & Conditions for the bidder
1.	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.
2.	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 & conditions).
3.	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.
4.	The tenders not meeting the requirement of pre-qualification conditions, necessary terms and conditions of the NIT and Nigam technical specifications shall be rejected.
5.	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 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 & Internet banking Accounts and the Payment for EMD can be made online directly through RTGS/NEFT. The Bank charges, if any, will be to the account of the tenderer. 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
6.	Detailed procedure for depositing earnest money, order preference to Haryana firms, delivery schedule and other terms and conditions are contained in SOT & 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.
7.	The following tenders shall be exempted from the deposit of earnest money. (i) Wholly Govt. of India owned undertakings. (i) Wholly State owned undertakings of Haryana.
8.	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.
9.	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.
10.	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.
11.	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.
12.	Authenticated documents to prove authority of signatory (legal power of attorney in favour of signatory) must be uploaded . Memorandum of article and Memorandum of association of the firm, if applicable, shall also be uploaded with the tender . The firm shall submit the detail information in the performa of particular of bidder. (Annexure-III)
13.	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. The



	document shall be uploaded by the supplier/s.
14.	Tender not adhering to Nigam's delivery schedule will not be considered.
15.	If more than one bid is submitted by any/one bidder, (having same registered office), the same shall be rejected.
16.	The deviations in Technical & Commercial terms and Conditions, if any, must be brought out clearly on the performa enclosed (Annexure-V), failing which it will be presumed that the same are acceptable in to-to.
17.	Tenderer/s shall submit their offer in an ambiguous free wording failing which UHBVN/UHBVN interpretation will be final.
18.	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.
19.	Purchase Preference: 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 www.dsndharyana.gov.in . 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.
20.	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.
21.	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.
22.	Arithmetical Errors: - 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.
23.	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 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.
24.	The tender shall be issued by UHBVN/DHBVN for fixing the rate contract on behalf of both the power utilities i.e. UHBVN & 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.
25.	<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'.</p> <p>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>
26.	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.
27.	The purchaser reserves the right to reject any or all the tenders received without assigning any reason.
28.	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.
29.	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. The document shall be uploaded by the supplier.
30.	The bidder shall submit all the requisite documents pertaining to the plant from where the material will be supplied. The document shall be uploaded by the supplier.
31.	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. The document shall be uploaded by the supplier.
32.	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.
33.	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 & undertakings should be submitted in original with hard copy).
34.	<p>Submission of Quality Assurance Procedure</p> <p>The Vendor / Contractor at the time of submission of the drawings for approval from UHBVN/UHBVN is also required to submit a Quality Assurance Procedure (QAP) of the materials to be supplied for review and approval. In this 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>QAP will indicate the following details:-</p> <ol style="list-style-type: none">Tests being performed on the raw material purchased by manufacturer for manufacturing of the finished product.Tests being conducted during manufacturing of the product (In process testing).Tests which shall be done on the finished product at the time of pre-dispatch inspection.Test results assured by the vendor.Tests procedure followed for the inspection with full details of test setup etc. <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</p>



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	inspection report.
35.	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.
36.	The max. Quoted qty. shall be considered as 1.5 times of the min. qty. quoted by the bidder/s against the NIT.
37.	MODVAT benefits, if any, be included in quoted prices and confirmed in bid submission.
38.	All the other terms and conditions will be as per latest guidelines of Govt. of Haryana and schedule D (general and particular terms & 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.
39.	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
40.	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.
41.	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. 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.
42.	Pre-qualification conditions: The firm quoting against the NIT shall meet with the Pre-qualification requirement as elaborated in Annexure-II without which the 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.



Pre-qualification conditions

Sr. no.	11 KV 45 KN Polymer Type Disc Insulator
i.	<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>
ii.	<p>The turnover of the firm in any one financial year during the last five 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. (Estimated cost of material of NIT Rs. ___ as per minimum quantity).</p> <p>Manufacturing Small Enterprises (Including Khadi & 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>Note:- The turnover mentioned in this clause signifies “Overall turnover of the firm”.</p> <p>(format for CA certificate regarding turnover is enclosed as Annexure VIII)</p>
iii.	<p>Past performance of the firm with DHBVN or UHBVN or any state Govt. power utility in India should be satisfactory in adhering to the delivery schedule relating to purchase of material only.</p> <p>On date of opening of bid the bidder should have completed at least 50% supply of the ordered quantity within contractual delivery period against latest completed purchase order for similar/higher size/rating material executed for UHBVN&DHBVN and any power utility subject to the condition that PO has been executed successfully with or without levy of penalty or delivery extension.</p> <p>In case of supply to any other State/Central Govt. Power Utility the firm shall submit self-certification in the form of Affidavit on NJSP alongwith requisite proof. If bidder has not supplied any material to DHBVN/UHBVN. Nigam shall get the pre-order inspection of his facilities done to be sure of his manufacturing 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, for PQR clause (iii) & (v) for turnkey supplies, a continuous period of 12 month shall be considered a valid periodicity instead of a calendar year or a financial year.</p> <p>For consideration of supplies against turnkey works, the 11 KV 45 KN Polymer Type Disc Insulator should have been successfully put into operation on the date of opening of tender</p>



	(Part-I)
iv.	Minimum quantity to be quoted 20% of the NIT. Any offer below 20% of the NIT qty. shall be rejected and its price bid shall not be opened.
v.	<p>a) The firm bidding 20% or more of NIT qty. should have supplied at least 50% of the offered qty. for similar/higher size/rating in any one financial year during the last 5 financial year to UHBVN/DHBVN or any other power utility including NDPL/BSES and other Haryana Govt. Department like HUDA/HSIDC etc. The capacity wise list of supplies for that particular financial year duly attested by CA must be attached.</p> <p>The turnkey experience of the suppliers for the supply of 11 KV 45 KN Polymer Type Disc Insulator in respect of UHBVN or DHBVN or both the utilities should be considering alongwith the prevalent condition of PQR of 50% of supply material i.e turnkey experience of the suppliers for this material in respect of Discoms of Haryana (DHBVN/UHBVN) 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 /Operation (as per applicability) Wing of the concerned Utility.</p> <p>b) Haryana state SSI/MSME units shall be considered qualifying this clause provided they have supplied at least 25% of offered qty. to any power utility in any one financial year during the last five financial years.</p> <p>(format for affidavit for past supplies is enclosed as Annexure-VII)</p>
vi.	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.
vii.	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



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 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
Dated

Yours faithfully,
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 (UHBVNL /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 _____ 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 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 (UHBVNL/DHBVNL) 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 (Panchkula)/UTTAR Haryana Bijli Vitran Nigan (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 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.



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UTTAR HARYANA BIJLI VITRAN NIGAM



- 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 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.



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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:**

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 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 3rd 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 3rd 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 2nd 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 3rd 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, 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 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, un-acceptable 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. The rejected material shall be lifted



back by firm only after replacement with fresh material or by submission of additional BG of equivalent to the cost of material. This BG shall be released when the replacement of material with fresh material received in the Nigam Stores and material is accepted by the Nigam.

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 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:

for payment.



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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:

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.

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 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 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/UHBVNL 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 'FIRM' 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.

2) SAMPLE - Deleted

3) Delivery:

i) Acceptance Early Supplies

- a) (For FIRM price) In case the material is required early by the Nigam and the purchasing authority requests for the same, then the payment would be regulated as per PO provisions i.e. actual delivery (physical) date shall be considered as due date of delivery.
- b) (For FIRM price) 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.

ii) Acceptance of delay supply :-

iii)

In case of FIRM price:- In case of lot wise delayed supply or else, the same may be considered and accepted by the purchaser with levy of penalty as per provision of PO.

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/GTPs:-

- a) **Where drawing/GTPs is attached with specification no need to submit the drawing/GTPs by bidder and no need for approval of drawing/GTPs by Nigam.**
- b) **Procedure to be followed where specification/design of the product is not standardized but prepared for specific use of Nigam:**
 - i- The successful bidder shall submit the drawing/GTPs as per Nigam's specification/design within 30 days from the date of issue of LOI/ Rate Contract.
 - ii- The required type test certificates shall be submitted by the successful bidder within 45 days (90 days in case of Power T/F) from the date of issue of LOI/ Rate Contract.
 - iii- The purchase Department shall approve the drawings/GTPs within 10 days from the date of receipt of type test certificate except in case of observance of deviations there against.
 - iv- Any Delay in the submission of the type test certificates beyond 45 days (90 days in case of Power T/F) from the date of issue of LOI/Rate Contract will be to the supplier account.
 - v- Time taken in any clarification of the Type Tests Certificates and drawings/GTPs will be attributable to the supplier.

6) MISTAKES IN DRAWINGS:

The supplier will be responsible for and shall pay for alterations of the material due to any discrepancies, errors or omissions in the drawings or other particulars supplied by him whether such drawings or particulars have been approved by the purchaser or not. Mistakes in drawing will be set right by the Supplier after obtaining approval of the purchaser

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 lot shall be rejected.**

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:

- i. In case of the firms, whose past supplies made to Haryana DISCOMs (UHBVN/DHBVN), testify the satisfactory performance of the equipment already supplied and type test certificates accepted there against are not more than five year old on the date of opening of tender, fresh type tests may not be required/asked for in case there is no change in the design. However, in such cases the firm shall supply the approved copy of drawings/GTPs and requisite type test certificates along with bid documents. In such cases, the commencement of delivery period shall be date of receipt of purchase orders meaning thereby no additional time shall be given to the firm for approval of drawings. (This clause is applicable only for Power /Distribution Transformer in addition to below mentioned clause).
- ii. In all other cases, 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 (90 days in case of Power Transformers) from the date of issuance of LOI/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 (90 days in case of Power Transformers) from the date of issue of LOI/Rate Contract.

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



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from the date of issue of LOI/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 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.



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
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



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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)

SPECIFICATIONS

Specification No. 84.SE/R-I/P&D/Xen-DD-II

TECHNICAL SPECIFICATION

FOR

COMPOSITE INSULATORS

FOR

33 KV/ 11 KV WORKS

Issue of the Month:

Common Specifications Committee

(CSC approval date 22.03.2016)

UHBVN & DHBVN



TECHNICAL SPECIFICATION FOR COMPOSITE INSULATORS

FOR USE IN 11 kV and 33 kV SYSTEM

1.0 SCOPE

This specification covers design, manufacture, testing and supply of composite insulators for use in the 11 kV/33 kV overhead transmission lines and substations. The composite insulators shall be of the following type:-

- (i) Long rod insulators for conductors in tension application at angle/cut points. The insulators shall be of ball and socket type or tongue & Clevis type, as desired by the purchaser.
- (ii) Line post insulators or pin for straight line locations.

2.0 APPLICABLE STANDARDS

2.1 Standards

Following Indian / International Standards, which shall mean latest revision, with latest amendment / changes adopted and published, unless specifically stated other in the Specification, shall be referred while accessing of insulators with these specifications.

2.1.1 In the event of supply of insulators conforming to standards other than specified, the Bidder shall confirm in his bid that these standards are equivalent or better to those specified. In case of award, silent features of comparison between the standards proposed by the Bidder and those specified in this document will be provided by the Supplier to establish equivalence.

Sr No.	Indian Standard Standard	Title	International Standard
1.		Definition, test methods and acceptance criteria for composite insulators for a.c. overhead line above 1000 V	IEC: 61109
2.	IS: 731	Porcelain insulators for overhead Power lines with a nominal voltage greater than 1000 V	IEC: 60383
3.	IS: 2071	Methods of High Voltage Testing	IEC: 60060-1
4.	IS: 2486	Specification for Insulator fittings for Overhead Power Lines with a nominal voltage greater than 1000 V General Requirements and Tests Dimensional Requirement Locking Devices	IEC: 60120 IEC: 60372
5.		Thermal Mechanical Performance test and mechanical performance test on string insulator units	IEC:60575



6.	IS: 13134	Guide for the selection of insulators in respect of polluted conditions	IEC: 60815
7.		Characteristics of string insulator units of the long rod type	IEC: 60433
8.		Hydrophobic Classification Guide	STRI guide 1.92/1
9.		Radio interference characteristics of overhead power line and high-voltage equipment	CISPR: 18-2 Part 2
10.	IS: 8263	Methods of RI Test of HV Insulators	IEC: 60437
11.		Standard for Insulators – Composite-Distribution Dead end Type	ANSI C29.13-2000
12.	IS: 4759	Hot dip zinc coating on structural steel & other allied products	ISO: 1459 ISO: 1461
13.	IS: 2629	Recommended Practice for Hot, Dip Galvanization for iron and steel	ISO-1461 (E)
14.	IS 6745	Determination of Weight of Zinc Coating on Zinc coated iron and steel articles	ISO: 1460
15.	IS: 3203	Methods of testing of local thickness of electroplated coating	ISO: 2178
16.	IS: 2633	Testing of Uniformity of Coating of zinc coated articles	
17.		Standard specification for glass fiber strands	ASTM D 578-05
18.		Standard test method for compositional analysis by Thermogravimetry	ASTM E 1131-03
19.	IS: 4699	Specification for refined secondary Zinc	

The addresses of organizations who offer the above standards are given at **Format-A**.

3.0 TECHNICAL DESCRIPTION OF COMPOSITE INSULATORS

Service condition

The polymer insulators to be supplied shall be suitable for satisfactory continuous operation under conditions as specified below:-

3.1	Maximum ambient temperature	50°C
3.2	Minimum ambient Temperature	-2.5°C
3.3	Maximum relative humidity	100 %
3.4	Minimum relative humidity	26%
3.5	Average number of dust storm days per annum.	35
3.6	Isocraunic level	45
3.7	Average no. of rainy days per year	Nearly 120 days
3.8	Average annual rainfall	900mm
3.9	Altitude above mean sea level	Less than 1000 mtr.
3.10	Maximum wind pressure	195 kg. / sq mtr.



4.0 Composite insulators long rod type for tension locations and pin/post type for suspension locations.

4.1 The insulators shall be suitable for 3- phase 50 Hz, effectively earthed 11 kV and 33 kV O/H distribution system in a moderately/heavily polluted atmosphere. Long rod insulators shall be of ball & socket or tongue and clevis type as specified.

4.2 Bidder must be an indigenous manufacturer and supplier of composite insulators of rating 33 kV or above OR must have developed proven in house technology and manufacturing processing for composite insulators of above rating OR possess technical collaboration/association with a manufacturer of composite insulators of rating 33 kV or above. The Bidder shall furnish necessary evidence in support of the above along with the bid, which can be in the form of certification from the utilities concerned, or any other documents to the satisfaction of the owner.

4.3 Insulators shall have sheds with good self-cleaning properties. Insulator shed profile, spacing, projection etc. and selection in respect of polluted conditions shall be generally in accordance with the recommendation of IEC-60815/IS: 13134

4.4 The size of Composite insulator, minimum creepage distance and mechanical strength along with hardware fittings shall be as follows:-

Sr No	Type of composite insulators	Nominal System voltage kV (rms)	Highest System voltage kV (rms)	Visible discharge test voltage kV (rms)	Wet Power Frequency Withstand voltage kV (rms)	Impulse Withstand voltage kV (rms)	Minimum Creepage Distance (mm)		Min failing load kN	Pin ball diameter
							Normal & moderately Polluted (20mm/KV)	Heavily polluted (25 mm/kV)		
i.	Long rod insulator	11	12	9	35	75	240	320	45	16
		33	36	27	75	170	720	900	45/70	16
ii.	Post/pin Insulator	11	12	9	35	75	240	320	5	24
		33	36	27	75	170	720	900	10	34

Note: . Creepage distances have been considered in line with IS-13134 (which specifies 20 mm / kV for moderately polluted & 25 mm/kV for heavily polluted environment) except for a higher value of 320 mm for 11 kV insulators in heavily polluted environment as per existing practice with ceramic insulators.



5.0 Dimensional Tolerance of Composite Insulators

The tolerances on all dimensions e.g. diameter, length and creepage distance shall be allowed as follows in line with-IEC 61109.

$$\pm(0.04d + 1.5) \text{ mm when } \leq 300 \text{ mm.}$$

$$\pm(0.025d+6) \text{ mm when } > 300 \text{ mm.}$$

Where 'd' being the dimensions in millimeters for diameter, length or creepage distance as the case may be.

However, no negative tolerance shall be applicable to creepage distance.

6.0 Interchangeability

The composite insulators including the end fitting connection shall be of standard design suitable for use with the hardware fittings of any make conforming to relevant IEC/IS standards.

7.0 Corona and RI Performance

All surfaces shall be clean, smooth, without cuts, abrasions or projection. No part shall be subjected to excessive localized pressure. The insulator and metal parts shall be so designed and manufactured that it shall avoid local corona formation and not generate any radio interference beyond specified limit under the operating conditions.

8.0 Maintenance

8.1 The composite insulators offered shall be suitable for use of hot line maintenance technique so that usual hot line operation can be carried out with ease, speed and safety.

9. BASIC FEATURES

9.1 Design and construction.

The composite insulator shall have a core, housing & weather shed of insulating material and steel/aluminum hardware components for attaching it to the support/conductor.

9.1.2 Core

It shall be a glass-fiber reinforced epoxy resin rod of high strength (FRP rod). Glass fibers and resin shall be optimized in the FRP rod. Glass fibers shall be Boron free electrically corrosion resistant (ECR) glass fiber or Boron free E-Glass and shall exhibit both high electrical integrity and high resistance to acid corrosion. The matrix of the FRP rod shall be Hydrolysis resistant. The FRP rod shall be manufactured through Pultrusion process. The FRP rod shall be void free.



9.1.3 Housing (Sheath)

The FRP rod shall be covered by a seamless sheath of a silicone electrometric compound or silicone alloy compound of a thickness of 3mm minimum.

It should protect the FRP rod against environment influences, external pollution and humidity. It shall be extruded or directly molded on the core and shall have chemical bonding with the FRP rod. The strength of the bond shall be greater than the tearing strength of the polymer. Sheath material in the bulk as well as in the sealing/bonding area shall be free from voids.

9.1.4 Weather-sheds

The composite polymer weather sheds made of silicone elastomeric compound or silicon alloy shall be firmly bonded to the sheath, vulcanized to the sheath and shall be free from imperfections. The weather sheds should have silicon content of minimum 30% by weight. The strength of the weather shed to sheath interface shall be greater than the tearing strength of the polymer. The interface, if any, between sheds and sheath (housing) shall be free from voids.

9.1.5 End Fittings

End fitting transmit the mechanical load to the core. They shall be made of spheroidal graphite cast iron, malleable cast iron or forged steel or aluminum alloy. They shall be connected to the rod by means of a controlled compression technique. The gap between fitting and sheath shall be sealed by a flexible silicone elastomeric compound or silicone alloy compound sealant. System of attachment of end fitting to the rod shall provide superior sealing performance between housing i.e. seamless sheath and metal connection. The sealing must be moisture proof.

The dimensions of end fittings of Insulators shall be in accordance with the standard dimensions stated in IS: 2486/IEC: 60120.

10. Workmanship

10.1 All the materials shall be of latest design and conform to the best engineering practices adopted in the high voltage field. Bidders shall offer only such insulators as are guaranteed by them to be satisfactory and suitable for continued good service in power transmission lines.

10.2 The design, manufacturing process and material control at various stages shall be such as to give maximum working load, highest mobility, best resistance to corrosion, good finish and elimination of sharp edge and corners.



10.3 The design of the insulators shall be such that stresses due to expansion and contraction in any part of the insulator shall not lead to deterioration.

10.4 The core shall be sound and free of cracks and voids that may adversely affect the insulators.

10.5 Weather sheds shall be uniform in quality. They shall be clean, sound, smooth and shall be free from defects and excessive flashing at parting lines.

10.6 End fittings shall be free from cracks, seams, shrinks, air holes and rough edges. End fittings should be effectively sealed to prevent moisture ingress: effectiveness of sealing system must be supported by test documents. All surfaces of the metal parts shall be perfectly smooth with out projecting points or irregularities, which may cause corona. All load bearing surfaces shall be smooth and uniform so as to distribute the loading stresses uniformly.

10.7 All ferrous parts shall be hot dip galvanized to give a minimum average coating of zinc equivalent to 610 gm/ sq.m. or 87um thickness and shall be in accordance with the requirement of IS: 4759. The zinc used for galvanizing shall be of purity 99.5% as per IS: 4699. The zinc coating shall be uniform, adherent, smooth, reasonably bring continuous and free from imperfections such as flux, ash rust strains, bulky white deposits and blisters. The galvanized metal parts shall be guaranteed to withstand at least four successive dips each lasting for one (1) minute duration under the standard preece test. The galvanizing shall be carried out only after any machining.

11. Equipment Marking

11.1 Each insulator unit shall be legibly and indelibly marked with the following details as per IEC-61109.

- Month & Year of Manufacture
- Min. failing load/guaranteed mechanical strength in kilo Newton followed by the word 'kN' to facilitate easy identification.
- Manufacture's name/Trade mark.

11.2 One 10 mm thick ring or 20 mm thick spot of suitable quality of paint shall be marked on the end fitting of each composite long rod of particular strength in case of 33 kV insulators for easy identification in case both types of insulators are procured by the utility. The paint shall not have any deteriorating effect on the insulator performance. Following codes shall be used as identification mark:

For 45 kN long rod unit : Blue
For 70 kN long rod unit : Red



12. Bid Drawings

12.1 The Bidder shall furnish full description and illustration of the material offered.

12.2 The Bidder shall furnish along with the bid the outline drawing (3 copies) of each insulator unit including a cross sectional view of the long rod insulator unit. The drawing shall include but not be limited to the following information:-

- (a) Long rod diameter with manufacturing tolerances.
- (b) Minimum Creepage distance with positive tolerance.
- (c) Protected creepage distance.
- (d) Eccentricity of the long rod unit
 - (i) Axial run out
 - (ii) Radial run out
- (e) Unit mechanical and electrical characteristics.
- (f) Size and weight of ball and socket/tongue & clevis.
- (g) Weight of composite long rod units.
- (h) Materials.
 - (i) Identification mark.
 - (ii) Manufacture's catalogue number.

12.3 After placement of award, the Supplier shall submit full dimensioned manufacturing insulator drawings containing all the details in four (4) copies of Owner for approval. After getting approval from Owner and successful completion of all the type tests, the Supplier shall submit 10 more copies of the drawing to the Owner for further distribution and field use.

12.4 After placement of award the Supplier shall also submit fully dimensioned insulator crate drawing for different type of insulators for approval of the owner.

13. Tests and Standards

Insulators offered shall be manufactured with the same configuration & raw materials as used in the insulators for which design & type test reports are submitted. The manufacturer shall submit a certificate for the same. The design & type test reports submitted shall not be more than 05 years old.

13.1 Design tests

Manufacturer should submit test reports for Design Test as per IEC- 61109 (clause -5) along with the bid. Additionally following tests shall be carried out or reports for the tests shall be submitted after award of contract.

UV test: The test shall be carried out in line with clause 7.2 of ANSI C 29.13.



13.2 Type Tests

The following type tests shall be conducted on a suitable number of individual insulator units, components, materials or complete strings:

13.2.1 The bidder shall submit type test reports as per IEC: 61109 along with the bid. Additional type tests as required above shall be carried out by the manufacturer, after award of contract for which no additional charges shall be payable. In case, the tests have already been carried out, the manufacturer shall submit reports for the same

Sr No.	Description of type test	Test procedure/standard
1.	Dry lightning impulse withstand voltage test	As per IEC 61109 (clause 6.1).
2.	Wet power frequency test	As per IEC 61109 (clause 6.2).
3.	Mechanical load-time test	As per IEC 61109 (clause 6.4).
4.	Radio interference test	As per IEC 61109 (clause 6.5) revised.
5.	Recovery of Hydrophobicity test	Format-B The test may be repeated every 3 yrs by the manufacturer.
6.	Chemical composition test for silicon content	Format-B
7.	Brittle fracture resistance test	Format-B

13.2.2 It shall be the option of the owner to accept the insulators based on type test reports submitted by the manufacturer. The owner shall be free to repeat the type test & may witness the same.

13.2.3 All the type tests given in Clause 13.2 in addition to routine & acceptance test shall be carried out on insulator along with fittings wherever required.



13.3 Acceptance (sample) Tests

13.3.1 For Composite Insulators

(a)	Verification of dimensions	:	Clause 7.2 IEC: 61109,
(b)	Verification of the locking System (if applicable)	:	Clause 7.2 IEC: 61109,
©	Galvanizing test	:	IS:2633/IS: 6745
(d)	Verification the specified Mechanical load	:	Clause 7.4 IEC: 61109,

13.4 Routine Tests

Sr No	Description	Standard
1.	Identification of marking	As per IEC: 61109 Clause 8.1
2.	Visual imperfection	As per IEC: 61109 Clause 8.2
3.	Mechanical routine test	As per IEC: 61109 Clause 8.3

13.5 Tests during Manufacture

Following tests shall also be carried out on all components as applicable

a)	Chemical analysis of zinc used for galvanizing
b)	Chemical analysis, mechanical, metallographic test and magnetic particle inspection for malleable castings.
c)	Chemical analysis, hardness tests and magnetic particle inspection for forgings.

13.6 Sample Batch for Type Testing

13.6.1 The bidder shall offer material for sample selection for type testing only after getting Quality Assurance Programme approved by the Owner. The bidder shall offer at least three times the quantity of materials required for conducting the entire type test for sample selection. The sample for type testing will be manufactured strictly in accordance with the Quality Assurance Programme approved by the Owner.

13.7 Additional Tests

13.7.1 The Owner reserves the right at his own expenses, for carrying out any other test(s) of reasonable nature carried out at Supplier's premises, at site, or in any other place in addition to the aforesaid type, acceptance and routine tests to satisfy himself that the material comply with Specifications.



13.7.2 The Owner also reserves the right to conduct all the tests mentioned in his specification at his own expense on the samples drawing from the site at Supplier's premises or at any other test center. In case of evidence of non compliance, it shall be binding on the part of the Supplier to prove the compliance of the items to the technical specifications by repeat tests or correction of deficiencies or replacement of defective items, all without any extra cost of the Owner.

13.8 Co-ordination for Testing

13.8.1 The Supplier shall have to co-ordinate testing of insulators with hardware fittings to be supplied by other Supplier and shall have to guarantee overall satisfactory performance of the insulators with the hardware fittings.

13.8.2 The bidder shall intimate the Owner about carrying out of the type tests along with detailed testing programme at least 3 weeks in advance of the scheduled date of testing during which the Owner will arrange to depute his representative to be present at the time of carrying out the tests.

13.9 Quality Assurance Plan

13.9.1 The successful bidder shall submit following information to the owner:

13.9.1.1 Test certificates of the raw materials and bought out accessories.

13.9.1.2 Statement giving list of important raw materials, their grades along with names of sub-suppliers for raw materials, list of standards according to which the raw materials are tested. List of tests normally carried out on raw materials in presence of bidder's representative.

13.9.1.3 List of manufacturing facilities available.

13.9.1.4 Level of automation achieved and lists of areas where manual processing exists.

13.9.1.5 List of areas in manufacturing process, where stage inspections are normally carried out for quality control out for quality control and details of such tests and inspections.

13.9.1.6 List of testing equipment available with the bidder for final testing of equipment along with calibration reports.

13.9.1.7 The manufacturer shall submit Manufacturing Quality Plan (MQP) for approval & the same shall be followed during manufacture and testing.

13.9.2 The successful bidder shall submit the routing test certificates of brought out raw material/accessories and central excise passes for raw material at the time of inspection.

13.10 Guarantee

The Supplier of insulators shall guarantee overall satisfactory performance of the insulators.



13.11 Test Reports

13.11.1 At least three copies of type test reports shall be furnished. One copy shall be returned duly certified by the owner, only after which the commercial production of the concerned material shall start.

13.11.2 Copies of acceptance test reports shall be furnished in at least three (3) copies. One copy shall be returned duly certified by the Owner, only after which the material shall be dispatched.

13.11.3 Record of routine test report shall be maintained by the Supplier at his works for periodic inspection by the Owner's representative.

13.11.4 Test certificates of test during manufacture shall be maintained by the Supplier. These shall be produced for verification as and when desired by the Owner.

14. Inspection

14.1 The Owner's representative shall at all times be entitled to have access to the works and all places of manufacture, where insulator, and its component parts shall be manufactured and the representatives shall have full facilities for unrestricted inspection of the Supplier's and sub-Supplier's works, raw materials, manufacture of the material and for conducting necessary test as detailed herein.

14.2 The material for final inspection shall be offered by the Supplier only under packed condition. The Owner shall select samples at random from the packed lot for carrying out acceptance tests. The lot offered for inspection shall be homogeneous and shall contain insulators manufactured in 3-4 consecutive weeks.

14.3 The Supplier shall kept the Owner informed in advance of the time of starting and the progress of manufacture of material in their various stages so that arrangements could be made for inspection.

14.4 No material shall be dispatched from its point of manufacture before it has been satisfactorily inspected and tested unless the inspection is waived off by the owner in writing. In the later case also the material shall be dispatched only after satisfactory testing specified herein has been completed.

14.5 The acceptance of any quantity of material shall in no way relieve the Supplier of his responsibility for meeting for meeting all the requirements of the specification and shall not prevent subsequent, if such material are later found to be defective.

15. Packing

15.1 All insulators shall be packed in strong corrugated box of min. 7 ply duly palletted or wooden crates. The gross weight of the crates along with the material shall not normally exceed 100 Kg to



avoid handling problem. The crates shall be suitable for outdoor storage under wet climate during rainy season.

15.2 The packing shall be of sufficient strength to withstand shall be provided to prevent damage or deformation during transit and handling.

15.3 Suitable cushioning, protective padding, or dunnage or spaces shall be provided or spacers shall be provided to prevent damage or deformation during transit and handling.

15.4 All packing cases shall be marked legibly and correctly so as to ensure safe arrive at their destination and to avoid the possibility of goods being lost or wrongly dispatched on account of faulty packing and faulty or illegible markings. Each wooden case/crate/corrugated box shall have all the marking stenciled on it indelible ink.

15.5 The bidder shall provide instructions regarding handling and storage precautions to be taken at site.

16.0 Guaranteed Technical particulars

The supplier shall fill all the columns of the GTPs (Format-C) and shall submit the same along with the tender. The tenders without GTPs shall be out rightly rejected

DATED:

General Manager/P&D,
for Chief General Manager/PD&C
DHBVN Hisar



Format-A

The standards mentioned in this specification are available from:

Reference Abbreviation	Name and Address
IEC/CIPSR	International elector technical Commission, Bureau Central dela Commission, elector Technique Internation 1 Rue de verembe, Geneva Switzerland.
BIS/IS	Bureau of India Standards Manak Bhavan , 9 Shah Zafar Marg, New Delhi-110001
ISO	International Orgnisation for standarisation Danish Board of Standardization Danish Standardizing Sraat, Aurehoegvey-12 DK-2900, Heeleprup Denmark
NEMA/ANSI	National Electirc Manufacture Assocaial, 155, East 44 th Street, New York, NY 10017 U.S.A
ASTM	Americal Society for Testing and Materials, 1916 Race St. Phelledepphia PA 19103 U.S.A
STRI guide	STRI, Sweden Website: www.stri.se



Tests on Insulator units

1. RIV Test (Dry)

The insulator string along with complete hardware fittings shall have a radio interference voltage level below 100 micro volts at one MHz when subjected 50 Hz AC voltage of 10 kV & 30 kV for 11 kV & 33 kV class insulators respectively under dry condition. The test procedure shall be in accordance with IS: 8263/IEC: 437/CIPSR 18-2

2 Brittle Fracture Resistance Test

Brittle fracture test shall be carried out on naked rod along with end fittings by apply "In HNO₃ acid" (63 g conc. HNO₃ added to 937 g water) to the rod. The rod should be held at 80% of SML for the duration of the test. The rod should not fail within the 96-hour test duration. Test arrangement should ensure continuous wetting of the rod with Nitric acid.

3. Recovery of Hydrophobicity & Corona test

The test shall be carried out on 4mm thick samples of 5cm x 7 cm.

- i) The surface of selected sampled shall be cleaned with isopropyl alcohol. Allow the surface to dry and spray with water. Record the Hydrophobicity classification in line with STRI guide for Hydrophobicity classification Dry the sample surface.
- ii) The sample shall subject to mechanical stress by bending the sample over a ground electrode. Corona is continuously generated by applying 12 kV to a needle like electrode placed 1 mm above the sample surface. The test shall be done for 100 hrs.
- iii) Immediately after the corona treatment, spray the surface with water and record the HC classification. Dry the surface and repeat the corona treatment as at clause 2 above. Note HC classification. Dry the surface and repeat the corona treatment as at clause 2 above. Note HC classification. Repeat the cycle for 1000 hrs. or until an HC of 6 or 7 is obtained. Dry the sample surface.
- iv) Allow the sample to recover and repeat hydrophobicity measurement at several time intervals. Silicone rubber should recover to HC1-HC2 within 24 to 48 hours, depending on the material and the intensity of the corona treatment.

4. Chemical composition test for Silicon content

The content of silicon in the composite polymer shall be evaluated by EDX (Energy Dispersion X-ray) Analysis or Thermo-gravimetric analysis. The test may be carried out at CPRI or any other NABL credited laboratory.



Format-C

Guaranteed Technical Particulars of Composite Insulator.

Name of Manufacturer:

Address of works:

Sr No.	Description	Unit	11 kV 5 kN	11 kV 45 kN	33 KV 10 kN	33 KV 45 kN	33 kV 70 kN
1.	Type of Insulator						
2.	Standard according to which the insulator manufactured and tested						
3.	Name of material used in manufacture of the insulator with glass/grade						
(a)	Material of core (FRP rod) i) E-glass or ECR-glass ii) Borron content						
(b)	Material of housing & weathershed						
(c)	Material of end fittings						
(d)	Sealing compound for end fittings						
4	Colour						
5.	Electrical characteristics						
(a)	Nominal system voltage	kV (rms)					
(b)	Highest system voltage	kV (rms)					
(c)	Dry Power frequency withstand voltage	kV (rms)					
(d)	Wet Power frequency withstand voltage	kV (rms)					
(e)	Dry flash over voltage	kV (rms)					
(f)	Wet flash over voltage	kV (rms)					
g)	Dry lighting impulse withstand voltage a) Positive b) Negative	kV (peak) kv (Peak)					
(h)	Dry lighting impulse withstand voltage c) Positive d) Negative	kV (peak) kv (Peak)					
(i)	RIV at 1 MHz when energized at 10 kV/30 kV (rms) under condition	Microvolt					
(j)	Creepage distance (Min.)	Mm					
6.	Mechanical characteristics						
(a)	Minimum foaling load	kN					
7.	Dimensions of insulator						
(i)	Weight:	Kg.					



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(ii)	Dia of FRP rod	mm					
(iii)	Length of FRP rod	mm					
(iv)	Dia of weathersheds	mm					
(v)	Thickness of housing	mm					
(vi)	Dry arc distance	mm					
	Dimensional drawings of insulator (including weight with tolerances in weight) enclosed	Yes/No					
8.	Method of fixing of sheds to housing (specify): Single mould or Modular construction (Injection moulding/compression moulding).						
9.	No. of weatherseds						
10.	Type of sheds:						
(i)	Aerodynamic						
(ii)	With underribds						
11.	Packing details						
(a)	Type of packing.						
(b)	No. of insulators in each pack						
(c)	Gross weight of package						
12.	Any other particulars which the bidder may like to give						

(Signature)-----

(Name)-----

(Designation)-----



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

SCHEDULE OF DELIVERIES

Sr. No.	Name of item / Specification	Name of consignee	Delivery Schedule
	11 KV 45 KN Polymer Type Disc Insulator as per Nigam Technical Specification no. 84.SE/R-I/P&D/Xen-DD-II	Any Where in Haryana	ITEM SPECIFIC AS PER REQUIREMENT (to be decided/approved by CE/MM while issuing NIT) For the 1st P.O. the 25% of ordered quantity within 60 days from the date of receipt of purchase order and remaining material shall be supplied in three equal monthly lots. For subsequent POs the delivery with 25% of ordered quantity within one month from the date of issue of purchase order and remaining material shall be supplied in three equal monthly lots.

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:

#



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:-



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.	<u>Commercial Terms:</u>			
	Clause No.			
B.	<u>Technical Specifications:</u>			
	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 UHBVNL, 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 for _____ (o) months from the date of dispatch of material by the said supplier under the said contract i.e. upto _____ (p)



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UTTAR DAKSHIN HARYANA BIJLI VITRAN NIGAM



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 UHBVN

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
15. Date of validity



Format of Affidavit for past supplies

I, _____ Director of M/s _____ with Headquarter at hereby solemnly affirm and declare that our firm has executed following purchase orders of any type & rating of Distribution Transformers placed by **any power distribution utilities of India. (Govt./Pvt.)** during the last three financial years.

Sr. no.	Name of power utility/	Name of item/rating	PO no. & date	Qty ordered	Qty. supplied till date	Remarks

I understand that if upon acceptance of our offer dated _____ against UHBVN/DHBVN tender enquiry no. QH-___ for supply of _____ any PO 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/DHBVN, for the consequences arising out of wrong declaration.

Attested by Notary Public



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/rating	Quantity billed	Total bill value of items	Remarks
1.					
2.					
3.					
4.					
5.					

(The above information should be supported by documentary evidence)



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



Annexure – IX

From

To

The Chief General Manager/MM,
UHBVN, Panchkula

Subject;- Undertaking in respect of Tender Enquiry no. QH- for the procurement of 11 KV 45 KN Polymer type Disc Insulator.

We hereby confirm our unconditional acceptance of all the terms and conditions mentioned in the tender documents against your tender enquiry no. QH- _____ for the procurement of **11 KV 45 KN Polymer type Disc Insulator**. The material shall be supplied strictly as per technical specification of the Nigam/relevant ISS without any deviation.

(Authorized Signatory of the firm)



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 _____
_____ is not blacklisted by any State/Central Govt. or
any of its agencies. I understand that if upon acceptance of our offer dated _____
against UHBVN/DHBVN 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



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



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