



उत्तर दक्षिण हरियाणा बिजली वितरण निगम  
UTTAR DAKSHIN HARYANA BILJI VITAN NIGAM



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

SPECIFICATIONS

Specification No. CSC- 94/R-1/DH/UH/P&D/2014-2015

**TECHNICAL SPECIFICATION**  
**OF**  
**11 KV DOUBLE THROW (TRIPLE POLE) GANG**  
**OPERATED**  
**CHANGE OVER SWITCH**

*Issue Month: MARCH 2016*  
(CSC approval date: 22.03.2016)

*Common Specifications Committee*  
UHBVN & DHBVN



## 1. SCOPE

This specification covers the technical requirements of design, manufacture, testing at manufacturer's works, packing and forwarding, supply and unloading of 11 kV, 400 Amps Air Break Gang Operated Double Throw Triple Pole Change Over Switch at site / stores complete with all accessories for efficient and trouble free-operation. The specific requirements are covered in the enclosed technical data sheet. The switches shall be used on three phase 11kV 50 Hz A. C. Power system having solidly grounded neutral.

## 2. APPLICABLE STANDARDS & DESCRIPTION

- i) All material used for manufacturing 11 KV G.O. Switches i.e. 11 KV Post Insulators G.I. Pipe, MS Channel & Copper/Brass Male/Female contacts shall comply with the Indian Standard Specification IS: 2544 (Porcelain post insulators for systems with nominal voltages greater than 1000V), IS: 5340 (Part-III) and IS: 9921 (Part I to V) (Alternating current Disconnectors (Isolators) and Earthing switches for Voltages above 1000V). However, Material manufactured as per any other international standard offering material, quality and workmanship of equivalence or better shall also be acceptable. The detailed description of equipment shall be as under:
- ii) 11 KV, 400 Amps, double throw, triple pole gang operated, outdoor type, single break tilting type manually operated. Air Break Switches, suitable horizontal mounting on structures 6 meters above ground level fitted with 3 no. 11 KV Post Insulators per phase, i.e. 9 no. Post Insulators per switch of standard make conforming to latest versions of IS-2544 & IS-5350 (Part-III) complete with fixed & moving contacts base of gun metal cast/, duly electroplated and jaw (U) fixed with spring able strips. The middle movable contacts arm rotate on rocker or bearing and blades will be made of gunmetal/brass/copper casting, duly electroplated. Multi-bolt type clamps of non-ferrous metal will be provided for incoming and outgoing connections. Fixed and moving contacts fitted on 11KV Post Insulators will be mounted on suitable MS Channel (horizontal).

Phase coupler will be of 32mm diameter galvanized iron pipe. Operating rod shall be of 25 mm inner diameter and 32 mm outer diameter G. I. Pipe having free length of about 4 meter excluding the length of handle. The complete equipment shall be as per latest version of IS-9921 (Part-I to V). MS Channel, C.I. casting for lever and side plates are to be hot dipped Galvanized as per relevant ISS. All other ferrous parts including nuts, bolts and washers are to be hot dipped galvanized. All Current carrying nuts, bolts and washers are to be hot dipped galvanized. The equipment supplied shall also conform to detailed specification with guaranteed technical particulars.

### b) PARTICULARS OF SYSTEM.

The switches shall be used on three-phase 11 KV 50 Hz A.C. Power system having solidly grounded neutral.

### c) CLIMATIC CONDITIONS:

The equipment/material to be supplied against this specification shall be suitable for satisfactory operation under the following climatic Conditions

#



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



| i) Location   | At various locations in the state of Haryana |
|---|--|
| ii) Max ambient temperature (deg.c) -                       | 60   |
| iii) Min ambient air temperature (deg. c)                   | -5   |
| iv) Max average daily ambient temperature (deg. c)          | 40   |
| v) Max. yearly weighed average ambient temperature (deg. C) | 32   |
| vi) Max. altitude above mean sea level (Meters)             | 1000   |
| vii) Minimum Relative Humidity (%age)                       | 26   |
| viii) Max. Relative Humidity (%age)                         | 95   |
| ix) Avg. no of Rainy days/ year                             | 120  |
| x) Avg. annual rainfall                                     | 900mm  |
| xi) Maximum wind pressure                                   | 195 Kg./m <sup>2</sup>                       |

The equipment shall be for use in moderately hot and humid tropical climate, conducive to rust and fungus growth.

d) **GENERAL TECHNICAL REQUIREMENTS:**

| S.No. | Description                                       | Requirement              |
|-------|---|--------------------------|
| 1.    | Installation                                      | Outdoor                  |
| 2.    | Type  | Double Throw Triple Pole |
| 3.    | Service Voltage                                   | 11 kV                    |
| 4.    | Rated Voltage                                     | 12 kV                    |
| 5.    | Rated Frequency                                   | 50 Hz                    |
| 6.    | Current Carrying Capacity                         | 400 Amps                 |
| 7.    | Rated short time current                          | 18 kA for 1 Sec          |
| 8.    | Rated peak current in closed position             | 46 kA                    |
| 9.    | One minute power frequency withstand vol: between | 28kV (r.m.s.)            |
|       | i) Earth & pole                                   | 32kV (r.m.s.)            |
|       | ii) Across terminal of open switch                |                          |
| 10.   | Rated lightning impulse withstand voltage between | 75kV (peak)              |
|       | i) Earth & pole                                   | 85kV (peak)              |
|       | ii) Across terminal of open switch                |                          |
| 11    | No. of Post Per Phase                             | 3                        |

#

Page 3

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

F/MM  
DHBVN

SE/MM  
DHE -A

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

F/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



## 2. SWITCH INSULATION

Insulation to ground, insulation between open contacts and insulation between phases of the completely assembled G.O. Switches shall be capable of withstanding the dielectric test voltages specified in IS-9921-Part-IV. Insulation between open contacts of a pole shall at least be 15 % more than the insulation between the live parts of pole to ground, so that if any flash-over occurs when switch is open, it shall be to the ground. All insulators provided to form a stack shall conform to the relevant Indian Standard Specifications. The porcelain shall be homogeneous and free from all cavities and flaws. Design of insulators shall ensure ample insulation, mechanical strength and rigidity for satisfactory operation under site conditions. The design shall also ensure that the losses caused by capacitive current or conduction through dielectric are minimum and that leakage due to moist and dirty insulators surfaces is least.

All metal caps and supports shall be cemented to the porcelain whereas the blades and contact blocks shall be bolted to the metal parts of the insulators thus making the replacement of damaged insulators easy. All ferrous metal parts, flanges, bolts and nuts etc. shall be galvanized.

The porcelain post insulators should be from the leading manufacturers like LAMCO, CGL, OBLEM, ELPRO, Raychem RPG, WS, Jayashree, Sun Insulators Pvt. Ltd. only.

## 3. G.O. SWITCH OPERATION AND OPERATING MECHANISM

The switches shall be suitable for local manual operation. The Operating mechanism shall comprise of operating pipe with intermediate couplings and manual operating handle. Height of operating handle may vary from 1000 to 1300mm. Bidder shall provide 'B' Class G.I. Operating pipe of 32 mm outer diameter & 25 mm inner diameter and 4 meters length (Min.) in single piece without joint. The operating mechanism shall give good mechanical leverage with minimum loose/lost motions. There shall be suitable pad-locking arrangement for both 'ON and OFF' positions.

## 4. BEARING OR ROCKER

Graded cast rocking type levers supported on side plates/fabricated type as per drawings. Bearing housing shall be weather proof and facilities shall be provided for easy lubrication.

## 5. PACKING & TRANSPORTATION.

The supplier shall be responsible for suitable packing of all the material and marking on the consignment to ensure correct dispatch to the destination. All G.O. Switches shall be packed suitably capable of withstanding rough handling for transportation to the various consignees so as to avoid any shortage and damage occurring during transit. Separators shall be fixed between the post insulators and other breakable parts of GO Switch and also between individual GO Switches so as to prevent relative movement to avoid damage. All the labels used on each packing shall be of tin securely bounded with wire and shall have the descriptive marking stamped thereon. All GO Switches damaged during transportation shall be to the supplier's account.

## 10. DESIGN FEATURE

### 10.1 Contact System

The male and female contacts assemblies shall be of sturdy construction and design to ensure

8. Electro dynamic withstand ability during short circuits.



- II. Thermal withstand-ability during short circuits.
- III. Constant contact pressure even when the live parts of the insulator stacks are subject to tensile stresses due to linear expansion of connected bus bar of flexible conductors either because of temperature variation or strong winds.
- IV. Self-wiping action during closing and opening.
- V. Self-alignment assuring closing of the switch without calling for any adjustment.

#### 10.2 Temperature Rise

Maximum temperature attained by any part of the isolating switches when in service at site under continuous and exposed continuously to the direct rays of sun and the air having temperature of 60 degree centigrade shall not exceed the permissible limits fixed by latest edition IS-9921 (Part-I to V). Maximum temperature rise under the above noted condition should not exceed the permissible limits when corrected for the difference between ambient temperature at site and the reference ambient temperature in IS-9921 (Part-I to V).

#### 11. CURRENT CARRYING PARTS

All current carrying parts shall be of non-ferrous metal or alloys and shall be designed to limit sharp points/edges. Design of isolating contacts shall permit easy maintenance and renewal of contacts.

#### 12. NAME PLATE & MARKING:-

The Air Break GO Switch shall be provided with durable and legible name plate, effectively secured against removal. The name plate shall be indelibly and distinctly marked with all essential particulars as per the relevant standards along with the following:

The Name plate shall be embossed with "PO no. with date" & "PROPERTY OF DHBVN".

- 6.1 Continuous operating Voltage
- 6.2 Rated Voltage
- 6.3 Rated Frequency
- 6.4 Manufacturer's Name
- 6.5 Type and Identification of the complete arrestor
- 6.6 Month/Year of Manufacture
- 6.7 Serial Number
- 6.8 Order reference.
- 6.9 Rated normal current in Amps.
- 6.10 Rated one second short-time current in Amps.

#### 13. COMPLETENESS OF EQUIPMENT

All fittings, accessories or apparatus which may not have been specially mentioned in this specification but which are otherwise necessary for satisfactory working of G.O. switches shall be deemed to have been included in the scope of supply.

#### 14. ROUTINE TESTS

Routine tests as per latest edition of IS-9921 (part-I to V) shall be carried out at works of the manufacturer.

The following shall comprise Routine tests:-

- (a) Power frequency voltage dry test.



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



- (b) Measurement of the resistance of the main circuit.  
(c) Operating test.

Copies of Routine test certificates shall be supplied along with the acceptance tests carried out in the presence of purchaser's authorized representative. All tests reports shall be submitted and shall be got approved by the purchaser or his authorized representative before dispatch.

#### 15. INSPECTION

Testing and inspection of material in accordance with the relevant ISS as mentioned in clause 'Applicable standards' above and as per drawings approved by the purchaser, shall be carried out by the purchaser or his duly authorized representative at works of the manufacturers. The manufacturer shall provide to the inspecting officer all reasonable facilities without charge to satisfy him that the material is being furnished in accordance with the specification. The purchaser or his authorized representative shall have access at all reasonable times to manufacturer's works to inspect and witness the tests of the equipment manufactured.

The purchaser has the right to have the tests carried out at the cost of the supplier by an independent Govt. agency, wherever there is a dispute regarding the quality of material supplied.

#### 16. Drawings

The bidder shall submit two sets of detailed dimensional drawing indicating there in the material used for various components. Manufacture of material shall not be commenced before receipt of approved drawings from the purchaser.

Material not complying with dimensional drawings shall be rejected.

#### 17. Guaranteed Technical Particulars

Guaranteed Technical Particulars as detailed in Annexure – I shall be submitted along with the Tender. Tenders without accompanying GTP'S shall not be accepted.

  
SE/P&D  
DHBVN, Hisar

#

Page 6

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



ANNEXURE-I

GURANTEE TECHNICAL PARAMETERS FOR 11 KV DOUBLE THROW (TRIPLE POLE)  
GANG OPERATED CHANGE OVER SWITCH

| S.No. | Description  | Units                | To Be Specified by the Bidder |
|-------|--|----------------------|-------------------------------|
| 1.    | Installation   |                      |                               |
| 2.    | Type   |                      |                               |
| 3.    | Service Voltage  | kV (rms)             |                               |
| 4.    | Rated Voltage  | kV(rms)              |                               |
| 5.    | Rated Frequency  | (Hz)                 |                               |
| 6.    | Current Carrying Capacity                                | Amps                 |                               |
| 7.    | Rated short time current                                 | kA                   |                               |
| 8.    | Rated peak withstand current                             | kA                   |                               |
| 9.    | Rated line-charging breaking capacity                    | Amps                 |                               |
| 10.   | Rated Cable charging Breaking Capacity                   | Amps                 |                               |
| 11.   | No. of Post Per Phase                                    | Nos.                 |                               |
| 12.   | Minimum Creepage Distance                                | mm                   |                               |
| 13.   | Phase to Phase Clearance                                 | mm                   | 600                           |
| 14.   | Phase to Earth Clearance                                 | mm                   |                               |
| 15.   | Minimum distance between post insulator a                | mm                   | 550                           |
| 16.   | No. of Poles   | Nos                  | 3                             |
| 17.   | No. of position  | Nos                  | 2                             |
| 18.   | One Minute Power Frequency withstand Voltage (Dry & Wet) | kV                   |                               |
| 19.   | No. of Nuts & Bolts for Current Carrying Connector       | Nos.                 |                               |
| 20.   | Maximum Current Density                                  | Amps/mm <sup>2</sup> | 1.6                           |
| 21.   | Minimum Cross Section for Current carrying fixed contact | Sq.mm                |                               |
| 22.   | Length of post insulator arm                             | mm                   | 650                           |
| 23.   | Size of post insulator arm                               | mm                   | 75x40x6                       |
| 24.   | Operating Pipe outer Dia.                                | mm                   | 32                            |
| 25.   | Operating Pipe inner Dia.                                | mm                   | 25                            |

#

Page 7



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



|     |                                     |        |            |
|-----|-------------------------------------|--------|------------|
| 26. | Length of operating Pipe (minimum)  | meters | 4          |
| 27. | Length of male contact on each side | mm     | 162        |
| 28. | Thickness of male contact           | mm     | 6          |
| 29. | Width of male contact               | mm     | 40         |
| 30. | Angle between male contact          | Deg    | 120 to 150 |
| 31. | Length of female contact            | mm     | 105        |
| 32. | Thickness of female contact         | mm     | 5          |
| 33. | Width of female contact             | mm     | 25         |

SEAL & NAME OF MANUFACTURER'S

(Authorised Signatory)

#

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

Page 8

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN





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



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

**SCHEDULE OF DELIVERIES**

| Sr. No. | Name of item Specification  | Name of consignee    | Delivery Schedule  |
|---------|---|----------------------|--|
|         | 11 KV 400 Amp., Double Throw G.O. Switch as per Nigam specification No. CSC-94/R-I/DH/UH/P&D/2014-2015. | Any Where in Haryana | <b>ITEM SPECIFIC AS PER REQUIREMENT (to be decided/approved by CE/MM while issuing NIT)</b><br><br><b>For the 1<sup>st</sup> PO.</b> The 25% of the ordered quantity within 60 days from the date of receipt of purchase order and remaining material shall be supplied in three equal monthly lots.<br><b>For subsequent POs</b> , 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:

#

Page 9

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

F/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

F/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



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



**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:-**



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



Annexure – V

(TO BE FILLED IN AND SIGNED BY THE TENDERER)  
**SCHEDULE OF DEVIATIONS**

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

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

(Please use more Sheets, if required).

Dated:

Place:

Designation

Name

Status

Whether Authorized Signatory of the  
Tendering Company

Name of the Tendering Company

#

Page 11

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



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

DHBVN

Annexure-VI

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)

#



उत्तर दक्षिण हरियाणा बिजली वितरण निगम  
UTTAR DAKSHIN HARYANA BILII 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

#

Page 13

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



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



Annexure – VII

**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

#

Page 14

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



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



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.      | 2014-15        |                         |                 |                           |         |
| 2.      | 2013-14        |                         |                 |                           |         |
| 3.      | 2012-13        |                         |                 |                           |         |
| 4.      | 2011-12        |                         |                 |                           |         |
| 5.      | 2010-11        |                         |                 |                           |         |

Apart from above following material has been supplied against turnkey works of UHBVN and DHBVN:

| Sr. No. | Name of power utility and contractor | Name of item | Contract No. & Date | Qty. supplied / ordered | Date of completion of supply | %age of equipment commss-ioned | Date of commiss-ioning |
|---------|--------------------------------------|--------------|---------------------|-------------------------|------------------------------|--------------------------------|------------------------|
|         |                                      |              |                     |                         |                              |                                |                        |
|         |                                      |              |                     |                         |                              |                                |                        |

#

Page 15

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

F/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

F/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



उत्तर दक्षिण हरियाणा बिजली वितरण निगम  
UTTAR DAKSHIN HARYANA BIJLI 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  
400 Amp., Double Throw G.O.Switch**

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 400 Amp., Double Throw G.O.Switch

The material shall be supplied strictly as per technical specification of the Nigam/relevant ISS without any deviation.

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

#

Page 16

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN





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



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

#

Page 17

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FA/MM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FA/MM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN



उत्तर दक्षिण हरियाणा बिजली वितरण निगम  
UTTAR DAKSHIN HARYANA BILII 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 |
|---------|---------------------|--------------|---|------------------|--------------------------|-----------------|-------------|--|--------------------------------------|---------------------|---------------------|
|         |                     |              |   |                  |                          |                 |             |  |                                      |                     |                     |

#

Page 18

XEN/MM-I  
DHBVN

XEN/MM-II  
DHBVN

XEN/MM-III  
DHBVN

FAMM  
DHBVN

SE/MM  
DHBVN

CE/MM  
DHBVN

XEN/MM-I  
UHBVN

XEN/MM-II  
UHBVN

XEN/MM-III  
UHBVN

FAMM  
UHBVN

SE/MM  
UHBVN

CE/MM  
UHBVN