



# दिल्ली ट्रांसको लिमिटेड

(A Government of NCT Delhi Undertaking)

## QUALIFYING REQUIREMENT (Q.R.)

FOR

**EMPANELMENT OF VENDORS**

IN

**DELHI TRANSCO LIMITED**

**FOR WORK CONTRACTS,**

**SUPPLY CONTRACTS**

**AND**

**SERVICE CONTRACTS /**

**ANNUAL MAINTENANCE CONTRACTS(AMC)**

REGISTERED OFFICE: SHAKTI SADAN, KOTLA ROAD, NEW DELHI-110002  
CIN - U40103DL2001SGC111529

Website : [WWW.dtl.gov.in](http://WWW.dtl.gov.in)

## 5. QUALIFYING REQUIREMENT:

### 5.1 The qualifying requirement for Electrical Supply Manufacturer [EE-SUP] to be followed for empanelment of vendors in DTL shall be as under:

#### a) **Technical Experience: Manufacturer - Category : [EE-SUP]**

The expression of interest for Vendor empanelment can be submitted by Equipment Manufacturers/Original Equipment Supplier/ Contractors/ Erectors/ Service Providers. Vendor should have manufactured and supplied following items as per Qualifying requirement mentioned against each.

i) **Circuit Breaker** : Vendor Should have manufactured and supplied minimum quantity of Circuit Breakers as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Circuit Breakers have been supplied.

1. 400 kV – 03 Nos.
2. 220 kV – 06 Nos.
3. 66 kV - 15 Nos.
4. 33 kV – 25 Nos.
5. 11 kV – 30 Nos.

ii) **Current Transformer (CT)** : Vendor Should have manufactured and supplied minimum quantity of Current Transformer as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Current Transformers have been supplied.

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|-----------|---|-----------|
| 1. 400 kV | - | 15 Nos.   |
| 2. 220 kV | - | 30 Nos.   |
| 3. 66 kV  | - | 100 Nos.  |
| 4. 33 kV  | - | 250 Nos.  |
| 5. 11 kV  | - | 400 Nos.* |

\*Actual quantity derived is 800 Nos. However, considering the better participation of bidders, the requisite quantity has been reduced to half i.e. 400 Nos.

- iii) **Lightening Arrester (LA) / Surge Arrester** : Vendor Should have manufactured and supplied minimum quantity of Lightening Arrester (LA) / Surge Arrester as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Lightening Arresters(LA)/Surge Arresters have been supplied.

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|-----------|---|-----------|
| 1. 390 kV | - | 60 Nos.   |
| 2. 216 kV | - | 150 Nos.  |
| 3. 198 kV | - | 150 Nos.  |
| 4. 60 kV  | - | 300 Nos.  |
| 5. 30 kV  | - | 650 Nos.* |

\*Actual quantity derived is 1300 Nos. However, considering the better participation of bidders, the requisite quantity has been reduced to half i.e. 650 Nos.

- iv) **Capacitive Voltage Transformer (CVT)** : Vendor Should have manufactured and supplied minimum quantity of Capacitive Voltage Transformer (CVT) as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month

previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Capacitive Voltage Transformers (CVT) have been supplied.

- 1 400 kV - 20 Nos.
- 2 220 kV - 30 Nos.

**V) Potential Transformer (PT) :** Vendor Should have manufactured and supplied minimum quantity of Potential Transformer (PT) as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Potential Transformers(PT) have been supplied.

- 1. 220 kV - 30 Nos.
- 2. 66 kV - 60 Nos.
- 3. 33 kV - 350 Nos.
- 4. 11 kV - 400 Nos.\*

\*Actual quantity derived is 800 Nos. However, considering the better participation of bidders, the requisite quantity has been reduced to half i.e. 400 Nos.

**VI) Isolator with or without E/S :** Vendor Should have manufactured and supplied minimum quantity of Isolator with or without E/S as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Isolator with or without E/S have been supplied.

1. 400 kV - 10 Nos.
2. 220 kV - 25 Nos.
3. 66 kV - 50 Nos.
4. 33 kV - 75 Nos.

**VII) Polymer Insulator String (210/160/90 KN) :** Vendor Should have manufactured and supplied minimum quantity of Polymer Insulator String (210/160/90 KN) as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Polymer Insulator Strings have been supplied.

1. 400 kV - 1000 Nos.
2. 220 kV - 1500 Nos.
3. 66 kV - 2000 Nos.

**VIII) Conductor :**

**ACSR Conductor :** - Vendor Should have manufactured and supplied minimum kilometre length of ACSR Conductor as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the ACSR Conductor have been supplied.

- 1 400 kV - 20 km.
- 2 220 kV - 30 km.

**IX) Power Cable** : Vendor Should have manufactured and supplied minimum kilometre length of Power Cable as mentioned against each voltage class / size during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Power Cable have been supplied.

1	66 kV (1000/630 sq.mm)	-	5 km.
2	33 kV (400 sq.mm)	-	5 km.
3	11 kV (1000/300/150 sq.mm)	-	10 km.
4	LT (300 sq.mm.)	-	10 km.
5	LT (50 sq.mm.)	-	50 km.
6	LT (25 sq.mm.)	-	100 km

**X) Control Cable** : Vendor Should have manufactured and supplied minimum kilometre length of Control Cable as mentioned against each size during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Control Cable have been supplied.

1.	10/2.5 sq.mm.	-	50 km.
2.	6/2.5 sq.mm.	-	60 km.

**XI) LT Transformer(11/.433 kV)** : Vendor Should have manufactured and supplied minimum 10 LT Transformers during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the LT Transformers have been supplied.

**XII) Battery Bank 220V / 50V / 48V:** Vendor Should have manufactured and/or supplied minimum quantity of Battery Bank as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Battery Banks have been supplied.

1. 220 V - 15 Nos.
2. 50/48 V - 30 Nos.

**XIII) Battery charger :** Vendor Should have manufactured and/or supplied minimum quantity of Battery Charger as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Battery chargers have been supplied.

1. 220 V - 15 Nos.
2. 50/48 V - 25 Nos.

**XIV) OPGW :** Vendor Should have manufactured and supplied minimum kilometre length of OPGW as mentioned against each size during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the OPGW have been supplied.

1. 48 Fibre DWDM - 40 km.
2. 24 Fibre DWDM - 60 km.

**XV) Earth Wire (7/3.66 mm):** Vendor Should have manufactured and supplied minimum 50 kilometre of Earth Wire during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Earth Wire have been supplied.

**XVI) Transformer Oil (EHV Grade) :** Vendor Should have manufactured and/or supplied minimum 175 kilolitre of Transformer Oil (EHV) during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Transformer Oil (EHV Grade) has been supplied.

**XVII) DG Set:** Vendor Should have manufactured and supplied minimum no. of DG Sets as mentioned against each rating during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the DG Set has been supplied.

1. 250 kVA, 440 V - 05 Nos.
2. 125 kVA, 440 V - 15 Nos.

**XVIII)Clamps and Connectors :** Vendor Should have manufactured and supplied 500/300 Clamps and Connectors for ACSR/HTLS conductor respectively, during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Clamps and Connectors have been supplied.



**XIX) Hardware Fittings:** Vendor should have manufactured and/or supplied minimum quantity of Hardware Fittings as mentioned against each voltage class during the last 05 years and at least 25% of the supplied quantity should be in successful operation for the last 02 years from last day of month previous to the one in which applications are invited for vendor empanelment. The Performance certificate shall be submitted by the vendor issued by the various Power utilities to which the Hardware Fittings have been supplied.

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|----|------------------------|---|-----------|
| 1. | 400 kV                 | - | 300 Nos.  |
| 2. | 220 kV                 | - | 2000 Nos. |
| 3. | HTLS Hardware Fittings | - | 1500 Nos. |

**Technical Experience: Electric / General Service - Category: [EE-SER / GN-SER]**

The expression of interest for Vendor empanelment can be submitted by Equipment Manufacturers/ Contractors/ Erectors/ Service Providers. Vendor should have experience of having successfully completed similar works during the last 05 years (Five years) ending last day of month previous to the one in which applications are invited, should be either of the following:

**i. Three completed supply / works of similar Category costing not less than the amount equal to 40% of upper limit of the class of empanelment**

**OR**

**ii. Two completed supply / works of similar Category costing not less than the amount equal to 50% of upper limit of the class of empanelment**

**OR**

**iii. One completed supply / works of similar Category costing not less than the amount equal to 80% of upper limit of the class of empanelment.**

b) **Financial Position:**

- i. **The company should be profit making and have positive Net Worth for last 05 (Five) financial years.**
- ii. Cut-off date for calculation of experience / Qualifying Requirement shall be counted from the last day of one month before the last date of submission of documents for vendor empanelment.