



**VENDOR REGISTRATION FORM**

- I. Name of the Vendor:  
Address of the Vendor:  
Factory location:  
E-mail address:  
Website address of Vendor:
- II. Registration No. \_\_\_\_\_ dt. \_\_\_\_\_  
Valid From: \_\_\_\_\_ To: \_\_\_\_\_

**III. DEVICES**

i. Power Transformer

- |                                   |                                    |                                  |
|-----------------------------------|------------------------------------|----------------------------------|
| <input type="checkbox"/> 500 MVA  | <input type="checkbox"/> 315 MVA   | <input type="checkbox"/> 160 MVA |
| <input type="checkbox"/> 100 MVA  | <input type="checkbox"/> 80 MVA    | <input type="checkbox"/> 50 MVA  |
| <input type="checkbox"/> 31.5 MVA | <input type="checkbox"/> 10/16 MVA | <input type="checkbox"/> 15 MVA  |
| <input type="checkbox"/> 250KVA   | <input type="checkbox"/> 100kVA    |                                  |

ii. Reactor

- |                                  |   |
|----------------------------------|---|
| <input type="checkbox"/> 50 MVAR | <input type="checkbox"/> 63 MVAR          |
| <input type="checkbox"/> 80 MVAR | <input type="checkbox"/> 125 MVAR & above |

iii. Circuit Breaker

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 420kV | <input type="checkbox"/> 245kV | <input type="checkbox"/> 145kV |
| <input type="checkbox"/> 36kV  |                                |                                |

iv. Isolator

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 400kV | <input type="checkbox"/> 220kV | <input type="checkbox"/> 132kV |
| <input type="checkbox"/> 33kV  |                                |                                |

v. Current Transformer

- |                                |                                   |                                |
|--------------------------------|-----------------------------------|--------------------------------|
| <input type="checkbox"/> 400kV | <input type="checkbox"/> 220kV    | <input type="checkbox"/> 132kV |
| <input type="checkbox"/> 33kV  | <input type="checkbox"/> 33kV NCT |                                |

vi. Potential Transformer

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 400kV | <input type="checkbox"/> 220kV | <input type="checkbox"/> 132kV |
| <input type="checkbox"/> 33kV  |                                |                                |

vii. Capacitor Voltage Transformer

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 400kV | <input type="checkbox"/> 220kV | <input type="checkbox"/> 132kV |
|--------------------------------|--------------------------------|--------------------------------|

viii. Surge Arrester

- |                                |                                |                                |
|--------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> 400kV | <input type="checkbox"/> 220kV | <input type="checkbox"/> 132kV |
| <input type="checkbox"/> 33kV  |                                |                                |

ix. Battery Sets

- |                                       |                                       |                                       |
|---------------------------------------|---------------------------------------|---------------------------------------|
| <input type="checkbox"/> 200V, 415 AH | <input type="checkbox"/> 200V, 200 AH | <input type="checkbox"/> 200V, 100 AH |
| <input type="checkbox"/> 48V, 400AH   | <input type="checkbox"/> 48V, 300AH   | <input type="checkbox"/> 48V, 250 AH  |
| <input type="checkbox"/> 200V, 100AH  |                                       |                                       |

x. AC DC Distribution Board and Battery Charger

- |                                      |                                      |                                   |
|--------------------------------------|--------------------------------------|-----------------------------------|
| <input type="checkbox"/> 220V, 200AH | <input type="checkbox"/> 220V, 100AH | <input type="checkbox"/> 48V,200A |
| <input type="checkbox"/> 48V, 150A   | <input type="checkbox"/> 48V, 100A   | <input type="checkbox"/> 48V, 50A |
| <input type="checkbox"/> 48V, 35A    |                                      |                                   |

xi. Insulators

- |  |  |                              |
|--|--|------------------------------|
| <input type="checkbox"/> Disc Insulators | <input type="checkbox"/> Solid core Insulators | <input type="checkbox"/> SRC |
|--|--|------------------------------|

xii. Hardware

- |                                      |                                |                                 |
|--------------------------------------|--------------------------------|---------------------------------|
| <input type="checkbox"/> Panther     | <input type="checkbox"/> Zebra | <input type="checkbox"/> Moose  |
| <input type="checkbox"/> Ground wire | <input type="checkbox"/> OPGW  | <input type="checkbox"/> Clamps |
| <input type="checkbox"/> Others      |                                |                                 |

xiii. Capacitor Bank

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="checkbox"/> 132kV | <input type="checkbox"/> 33kV |
|--------------------------------|-------------------------------|

xiv. Telecom Equipment

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> PDH Equipment  | <input type="checkbox"/> SDH Equipment | <input type="checkbox"/> EPAX Exchange |
| <input type="checkbox"/> EPABX Exchange | <input type="checkbox"/> Multiplexer   | <input type="checkbox"/> DDF           |

xv. Automation Hardware

a. SAS Control & Relay panel

- 400kV                       220kV                       132kV  
 33kV

b. SAS C&R Panel Components

- Bay control Unit (BCU)  
 Bay control & protection Unit (BCPU)  
 Bay protection Unit (BPU)  
 Data Concentrator  
 Gateway for remote control  
 Gateway for SLDC  
 GPS Clock, Antenna with time display unit  
 Intelligence Electronic Devices(IEDs)  
 3kVA Inverter (RS485 Compatible)  
 Industrial grade Ethernet switches  
 Human machine Interface (HMI)

c. Relays

- Distance relay  
 Differential relay  
 Over flux relay  
 Over current relay  
 Earth Fault relay  
 Restricted Earth Fault relay  
 DC supply Supervision relay  
 Auxiliary relay

d. Remote Terminal Unit (RTU)

- RTU                       Digital output card                       Analog card  
 Digital input card                       CPU  
 Power supply unit

e. IT Equipment

- Desktop PC                       Laptop                       Printers  
 UPS

f. Hard ware Components of Computer

- |                                |                                  |  |
|--------------------------------|----------------------------------|--|
| <input type="checkbox"/> CPU   | <input type="checkbox"/> Monitor | <input type="checkbox"/> Keyboard        |
| <input type="checkbox"/> Mouse | <input type="checkbox"/> RAM     | <input type="checkbox"/> Hard Disk Drive |

g. Servers

1. RAM

- |   |                               |                               |
|---|-------------------------------|-------------------------------|
| <input type="checkbox"/> 8GB              | <input type="checkbox"/> 16GB | <input type="checkbox"/> 32GB |
| <input type="checkbox"/> Others, Specify: |                               |                               |

2. Cores

- |   |                             |                             |
|---|-----------------------------|-----------------------------|
| <input type="checkbox"/> 18               | <input type="checkbox"/> 28 | <input type="checkbox"/> 32 |
| <input type="checkbox"/> Others, Specify: |                             |                             |

3. Speed

- |   |                                 |                                 |
|---|---------------------------------|---------------------------------|
| <input type="checkbox"/> 2.5GHz           | <input type="checkbox"/> 2.6GHz | <input type="checkbox"/> 2.7GHz |
| <input type="checkbox"/> Others, Specify: |                                 |                                 |

4. Hard Disk Drive

- |   |                              |                                |
|---|------------------------------|--------------------------------|
| <input type="checkbox"/> 500GB            | <input type="checkbox"/> 1TB | <input type="checkbox"/> 1.5TB |
| <input type="checkbox"/> Others, Specify: |                              |                                |

5. Operating System

- |                                |                                  |                               |
|--------------------------------|----------------------------------|-------------------------------|
| <input type="checkbox"/> Linux | <input type="checkbox"/> Windows | <input type="checkbox"/> Unix |
|--------------------------------|----------------------------------|-------------------------------|

6. Database

- |                                 |                                 |                                |
|---------------------------------|---------------------------------|--------------------------------|
| <input type="checkbox"/> Oracle | <input type="checkbox"/> Sybase | <input type="checkbox"/> MSSQL |
| <input type="checkbox"/> MAXDB  | <input type="checkbox"/> HANA   |                                |

7. Space

- |                               |                                |                                |
|-------------------------------|--------------------------------|--------------------------------|
| <input type="checkbox"/> Rack | <input type="checkbox"/> Tower | <input type="checkbox"/> Blade |
|-------------------------------|--------------------------------|--------------------------------|

8. Interfaces

- |  |                               |                               |
|--|-------------------------------|-------------------------------|
| <input type="checkbox"/> 1GB Ethernet port         | <input type="checkbox"/> V.24 | <input type="checkbox"/> V.28 |
| <input type="checkbox"/> Other standards, Specify: |                               |                               |

9. Redundant Array of Independent Discs (RAID) support

- |                            |   |                            |
|----------------------------|---|----------------------------|
| <input type="checkbox"/> 0 | <input type="checkbox"/> 1                | <input type="checkbox"/> 5 |
| <input type="checkbox"/> 6 | <input type="checkbox"/> Others, Specify: |                            |

10. Network ports

- |                            |                            |  |
|----------------------------|----------------------------|--|
| <input type="checkbox"/> 2 | <input type="checkbox"/> 4 | <input type="checkbox"/> Others, specify |
|----------------------------|----------------------------|--|

11. Power supply

Single A.C

Dual A.C

xvi. Automation Software

Supervisory Control and Data Acquisition (SCADA)

Substation Automation System (SAS)

Energy Management System

Enterprise Resource planning (ERP)

Asset management

Others, Specify:

#### IV. STRUCTURES

Tower parts & Structures

400kV

220kV

132kV

33kV

#### V. CIRCUIT SEGMENTS

i. Conductor

Panther

Zebra

Moose

Others,  
Specify:

ii. Underground XLPE cable

400kV

220kV

132kV

33kV

iii. Earth wire

HTGS

iv. Power & Control Cables

Power Cable

Control Cables

Optical  
Fibre Cable

v. OPGW

24 Fibre

48 Fibre

## **VI. METERS**

Energy meters

- 0.2 Class                       0.2s class                       Any other,  
Specify:

VII.                       Others,  
Specify:

### The registration is subject to the following conditions

1. The registration is valid for three years .
2. Enlisted vendor shall maintain high standard of integrity and performance in respect of their dealing and supplies and generally endeavour to give no cause for complaints.
3. Vendor shall mail proper response/offer in time and accept forms and conditions of APTRANSCO.
4. Copies of Sales Tax clearance (both central & state) Balance sheet and Profit & loss Account statement shall be submitted every year. Valid dealership certificate shall also be submitted as and when renewed, failing which registration will be treated as cancelled.
5. If there is any change of address and name, the same shall be immediately bring to the notice of this office to update the same.
6. For consideration of renewal of registration, Vendor shall submit a fresh application form two months prior to expiry of the validity of registration duly filled in along with necessary documents like Sales Tax clearance, Balance sheet, Profit & loss Account certificate and relevant documents.
7. This registration neither guarantees the award of contract/order nor confer any right to demand of enquiries.
8. APTRANSCO reserves the right to cancel your registration at any time without assigning any reason.
9. If the vendor is non-responsive due to blacklisting, termination, litigation or on account of its performance of disabilities, the registration is liable for premature termination.
10. Registration information is also available in APTRANSCO website, [www.aptransco.gov.in](http://www.aptransco.gov.in).
11. All communication/notices shall be through the e-mail address submitted in the application form.

Chief Engineer/Transmission,  
APTRANSCO, Vidyutsoudha,  
Vijayawada.