
	<b>Gujarat State Electricity Corporation Limited</b>	
	Wanakbori Thermal Power Station, Ta: Galteshwar, Dist: Kheda -388239 Ph: 91-2699-235522 Fax: 91-2699-235607 Email: <a href="mailto:wtps.ceg@gebmail.com">wtps.ceg@gebmail.com</a> Web site: <a href="http://www.gsecl.in">www.gsecl.in</a>	
	CIN: U40100GJ1993SGC019988 AN ISO-9001:2015&14001:2015 OHSMS 45001:2018 Certified Power Plant	

## TECHNICAL BID

**Description:** Supply of 200kVA Lighting Transformer with distribution panel for EMD-Colony WTPS, GSECL.

**Reference No.:** WTPS/S/TECH/RFQ – 76703E/EMD-Col

Sr. No.	Description of materials	HSN CODE	GST Rate With Cess If Any IN %	Quantity Required	UOM
1	433V/433V, 200KVA, DRY TYPE, NATURAL AIR COOLED LIGHTING TRANSFORMER WITH DISTRIBUTION PANEL, PRIMARY LINE CURRENT- 267 AMPERE, SECONDARY LINE CURRENT - 267 AMPERE, DYN11, FREQUENCY-50HZ			2	Number

### ❖ Technical Specification

#### **1. (A) Technical Specification of 200 kVA Transformer (Applied Standard: IS 2026 (Part-11) / IS-11171)**

Sr. No.	Particulars	Rating
1	Rating of transformer	200 KVA
2	Primary Voltage	433 Volts
3	Primary Line Current	267 Ampere
4	Secondary Voltage	433 Volts
5	Secondary Line Current	267 Ampere
6	Vector Group	DYn11
7	Tapping At Primary	411-422-433-444-455 (Volts)
8	Temperature Rise	90 Deg C in Air Approx
9	Duty	Continuous
10	Type of winding	Double Wound
11	Conductors	Copper
12	Method of cooling	Air Natural
13	Transformer Type	Dry type VPI
14	Class of insulation	Class- F
15	Frequency	50 Hz
16	Percent Impedance	4%(+/-10%)

**(B) Distribution Panel Specification for 200kVA Transformer**

Sr. No.	Particulars	Required Quantity	UOM	Make
<b>A</b>	<b>INCOMER:</b>	<b>1</b>	<b>No</b>	
1	400A, 50kA, MCCB	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
2	Spreader Terminal Links - 4Pole (8Nos)	1	Set	L&T/L K, ABB, SIEMENS, HAVELLS
3	Extended Rotary Handle	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
4	Aux Contact for ON & Trip Indication	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
5	3Ph Digital Ammeter Meter, CL-1, 400/5A	1	No	L&T/L K, ABB, AE OR ANY REPUTED make
6	3Ph Digital Voltmeter, CL-1	1	No	L&T/L K, ABB, AE OR ANY REPUTED make
7	400/5A Metering CT, 10VA, CL-1	3	No	ANY REPUTED make
8	Phase Indication Lamp, 230V AC/DC Red/Yellow/Blue	3	No	L&T/L K, ABB or ANY REPUTED make
9	ON & Trip Indication Lamp, 230V AC/DC Red/Amber	1	No	L&T/L K, ABB or ANY REPUTED make
10	6A SP MCB, for Meter	6	No	L&T/L K, ABB, SIEMENS, HAVELLS OR ANY REPUTED make
11	Neutral Link	2	No	ANY REPUTED make
12	CT Shorting Terminal	7	No	ELMEX, DOWELL, CONNECTWELL OR ANY REPUTED MAKE
13	WIRING & Accessories	1	LS	ANY REPUTED make
14	Bus Bar Link: 2 Nos/Phase & 1 No for Neutral	1	Set	ANY REPUTED make (ALUMINIUM)
<b>B</b>	<b>OUTGOING FEEDER:</b>			
<b>B1</b>	<b>100A 4P MCCB</b>	<b>2</b>	<b>No</b>	L&T/L K, ABB, SIEMENS, HAVELLS
1	100A, 25kA 4P MCCB	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
2	Spreader Terminal Links-4Pole (8Nos)	1	Set	L&T/L K, ABB, SIEMENS, HAVELLS
3	Extended Rotary Handle	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
4	Power Terminals	4	No	ELMEX, DOWELL, CONNECTWELL OR ANY REPUTED MAKE
5	Power Wiring	1	Ls	Min. 25 Sqmm copper wire
6	Bus Bar Link: 1Nos/Ph, 1No/N	1	Ls	ANY REPUTED make (ALUMINIUM)
<b>B2</b>	<b>63A 4P MCCB</b>	<b>6</b>	<b>No</b>	
1	63A, 25kA 4P	1	No	L&T/L K, ABB, SIEMENS, HAVELLS

2	Spreader Terminal Links-4 Pole (8Nos)	1	Set	L&T/L K, ABB, SIEMENS, HAVELLS
3	Extended Rotary Handle	1	No	L&T/L K, ABB, SIEMENS, HAVELLS
4	Power Terminals	4	No	ELMEX, DOWELL, CONNECTWELL OR ANY REPUTED MAKE
5	Power Wiring	1	Ls	Min. 16 Sqmm copper wire
<b>C</b>	<b>ALUMINIUM. B/B AS PER FOLLOWING</b>	<b>1</b>	<b>LS</b>	
1	VBB: 1/PH & 1 for Neutral	1	Ls	ANY REPUTED make (ALUMINIUM)
2	Earthing- B/B	1	Ls	ANY REPUTED make (ALUMINIUM)
<b>Note:</b> 200kVA Transformer distribution panel have total <b>02 Nos. of 100A</b> outgoing feeder and <b>06 nos. of 63A</b> outgoing feeder required. Above outgoing feeder BOM items details are for each feeder.				

**Approved Make for Transformer:**

Shree Krishna Transformer, Surat Transformer, Transpower, NEMR Transformer, Automatic Electrical (AE), Gujarat Plug-IN (GPD), Bhatt Heavy Electricals, Automatic Electric Ltd (AE), Nakoda, TRIO Transformer (Orbit Brand), AMAN Transformer, VOLTAMP Transformers Limited, Power Pack Enterprises, Highvolt trans Ltd, Hind Electrical, Electrotherm India Ltd, Chhabhi Electrical, IMP Transformer, Rectifier & Control Transformer, Kirloskar Electric, IND coil Transformer, Precise Electricals, ARGUS, Sagaon, Power Control Equip, Transformer & rectifier, Star delta transformer, AMCO. Atlanta Electricals limited.

**NOTE:**

- 1) Panel should be powder coated, dust and vermin proof, made of 14/16 SWG sheet steel for transformer with outgoing feeder.
- 2) Bottom cable entry for Transformer power cable and Bottom cable entry for outgoing feeder power cables. Removable gland plate provided.
- 3) All the power and control wiring should be done via copper flexible wire.
  - i) For 100A MCCB - min. 35 sqmm
  - ii) For 63A MCCB - min. 16 sqmm
  - iii) For control wiring – min. 1.00 sqmm
- 4) Lifting hook, Platform mounting Base channel, Door arrangement, Earthing bus, Flat type bi-directional rollers with locking arrangement should be provided.
- 5) List of transformer Test Carryout at time of inspection at manufacturer's Place: (All routine Test as per IS 2026)
  - i) Winding Resistance measurement
  - ii) Insulation resistance test (Meager test)
  - iii) Hi POT test ( HV test 3KV for 1minut) (High Voltage Test)
  - iv) Induced Over voltage test (Double voltage Double frequency test)
  - v) No load losses & voltage measurement
  - vi) Load losses & Impedance Measurement
  - vii) Vector Group Check
  - viii) Magnetic balance test
  - ix) Dimensions & Physical Measurements

**6) Common Data of proposed for MCCBs (400A):**

- i) Rated Service Voltage (Ue) = 690V<sub>AC</sub>
- ii) Rated Insulation Voltage (Ui) = 800V
- iii) Rated impulse withstand Voltage (Uimp) = 8kV
- iv) Frequency (f) = 50Hz – 60Hz
- v) Fault Level: Icu=Ics= 50kA at 50-60 HZ at 415 VAC
- vi) Mechanical Life: No. of operation 15000
- vii) Electrical Life: No. of operation 5000 (At 440 V<sub>AC</sub>)
- viii) Utilization category: A (According to IEC 60947-2)

**7) Common Data of proposed for MCCBs (200A):**

- i) Rated Service Voltage (Ue) = 600V<sub>AC</sub>
- ii) Rated Insulation Voltage (Ui) = 800V
- iii) Rated impulse withstand Voltage (Uimp) = 8kV
- iv) Frequency (f) = 50Hz – 60Hz
- v) Fault Level: Icu=Ics= 36kA at 50-60 HZ at 415 VAC
- vi) Mechanical Life: No. of operation 15000
- vii) Electrical Life: No. of operation 5000 (At 440 V<sub>AC</sub>)
- viii) Utilization category: A (According to IEC 60947-2)

**8) Common Data of proposed for MCCBs (63A/100A):**

- i) Rated Service Voltage (Ue) = 600 V<sub>AC</sub>
- ii) Rated Insulation Voltage (Ui) = 800V
- iii) Rated impulse withstand Voltage (Uimp) = 8kV
- iv) Frequency (f) = 50Hz – 60Hz
- v) Fault Level: Icu=Ics= 25kA at 50-60 HZ at 415 VAC
- vi) Mechanical Life: No. of operation 15000
- vii) Electrical Life: No. of operation 5000 (At 440 V<sub>AC</sub>)
- viii) Utilization category: A (According to IEC 60947-2)

**9) Test certificate, catalog, literature, guarantee certificate etc for MCCB should be provided with supply.**

❖ General Terms and Condition

- 1) Bidder has to quote and supply material as per detail technical specification of material only.
- 2) The bidder shall have to mention offered make clearly in the technical bid.
- 3) Bidder has to offer make as per tender make and Technical specification only .
- 4) Bidder shall have to submit technical literature / detail catalogue (with picture) ,GA drawing along with bid for quoted brand in technical bid.
- 5) Bidder has to submit successfully executed past order copy for any type of lighting / power transformer supplied to GUVNL and its subsidiary company OR any government /semi government company OR any reputed private company with technical bid.

- 6) Bidder other than OEM has to submit latest authorization dealer certificate with technical bid. Bidder other than OEM /authorized dealer shall have to submit purchase proof at the time of bulk supply.
- 7) **Delivery period:** - 08 (Eight) Months from date of LOI including drawing approval but excluding time consumed for Approval.
- 8) **Guarantee / Warranty clause:** If the goods, stores and equipment's found defective due to bad design or workmanship, the same should be repaired or replaced by bidder with same make & same specifications free of charge if reported within 18 months of their receipt at site or 12 months from the date of commissioning of equipments whichever is earlier.
- 9) Party has to submit security deposit cum performance Guarantee of 5 % of order End Cost value of the tendered items shall be furnished by successful bidder for satisfactory performance of the materials which should be valid for Guarantee/warranty period as mentioned above. The Performance Guarantee amount will be released after completion of Guarantee/warranty period.
- 10) Bidder has to carry out regular tests required as per IS of transformer and submit Test Report for item Sr. no. 1 at the time of supply. Bidder has to submit Test certificate (all applicable Test report) from manufacturer or any government recognized lab with the supply of material. Bidder has to give consent for the same during submitting technical bid also.
- 11) Bidder has to submit photo copy of valid GST number and PAN card.
- 12) Other terms & conditions remain same as prescribed by the GSECL for supply of material.
- 13) All material should be supplied at Wanakbori TPS main store.
- 14) Bidder has to give free replacement guarantee against any damage due to transportation and manufacturing defect.

TDS ON GST: Provision related to TDS on GST @ 2% shall be made applicable if contract value exceed threshold limit (i.e. At present Threshold limit Rs. 2,50,000/-).

TDS u/c 194Q(w.e.f. 01-07-2021)- Provision related to Tax deducted at Source u/s 194Q on purchase of goods shall be made applicable, if value exceeds in all contract threshold limit (i.e. at present threshold limit Rs. 50,00,000/-)

Vendor get to register in VMS System through [vms.guvnl.com](http://vms.guvnl.com). For registration following documents are required and After registration vendor have to upload the invoice in the VMS system for smooth functioning of payment.

Documents required for Registration:

- (1) PAN Copy
- (2) GST Certificate Copy
- (3) Email ID
- (4) Full Name of Vendor

If any query regarding registration pl mail to [wtps.ee.stores.gsecl@gebmail.com](mailto:wtps.ee.stores.gsecl@gebmail.com); [Wtps.je.stores.gsecl@gebmail.com](mailto:Wtps.je.stores.gsecl@gebmail.com); [wtps.coa2@gebmail.com](mailto:wtps.coa2@gebmail.com); [wtps.coa@gebmail.com](mailto:wtps.coa@gebmail.com).

**Chief Engineer (C&O)**  
**GSECL, WTPS**

# **DECLARATION FORM**

## **ON LETTER HEAD OF SUPPLIER**

**Description:** Supply of 200kVA Lighting Transformer with distribution panel for EMD-Colony WTPS, GSECL.

**Reference No.:** WTPS/S/TECH/RFQ – 76703E/EMD-Col

1. I/We hereby declare that I/We have carefully & thoroughly studied the entire tender placed on the website and General terms & conditions, technical specification, PQR and other documents of the tender mentioned under reference along with the Commercial terms and conditions.
2. I/We hereby confirm and certify that the offer submitted by me/us is strictly in accordance with the GSECL's Tender specifications, Guaranteed Technical Particulars and drawing as mentioned in the Tender Specifications. There is no commercial or Technical deviation (except the deviations shown in respective Annexure-12 of Technical Deviations of this tender document) in the offer from the Board's Tender Specification. I undertake to abide by the GSECL's Technical specification / Guaranteed Technical Particulars / Drawing, I undertake to supply materials strictly as per the GSECL's Technical specification / Guaranteed Technical Particulars / Drawing, even if any technical deviations are mentioned by me. I also undertake to abide by all commercial conditions of the GSECL, including delivery schedule. I have submitted all the annexure-1 to 15, form of integrity pact etc along with the technical Bid duly filled along with all the details"
3. I / We, hereby declare that our Technical Bid is strictly in line with the Tender specifications (except the deviations shown in Annexure-12 of Technical Deviations of this tender document).
4. I / We also agree that additional conditions / deviations, if any, found in the Commercial terms & conditions (except the deviations shown in Annexure-12 of Technical Deviations of this tender document) our offer shall be out rightly rejected without assigning any reason thereof.
5. I/We hereby abide to execute the contract agreement & submitted the same along with the acceptance of LOI and the same will be acceptable to me/us.
6. I/We hereby accept and confirm that any dispute on this regard shall not be entertained by the tender inviting authority.
7. The full value of the "Earnest Money Deposit" paid herewith should be absolutely forfeited to the Corporation, should I/ we do not deposit the specified amount of specified Security Deposit within 10 Days from receipt of the Letter of Intent.
8. If, I fail to submit all required documents with application or tender copy ( in each tender ) then my tender will be cancelled, which is binding to me.
9. I/We \_\_\_\_\_  
authorized signatory of M/s \_\_\_\_\_ here by  
certify that M/s \_\_\_\_\_ and their  
proprietor / any partner / any directors of the firm is not stop deal and / or banned for business  
dealing and / or black listed by GUVNL and / or their any subsidiary company viz. GSECL /  
GETCO / DGVCL / MGVL / UGVCL / PGVL as well as Government and / or Semi  
Government company / department.
10. We here by confirm that we have not stake in one or more other agencies / bidders who are  
participating in same tender and if it is found that the submitted information / declaration are  
wrong in the tender / enquiry as stated in tender terms, than we will be disqualified  
automatically & it will be accepted to us. EMD / SD will be forfeited. More over if GSECL shall  
take stern action including stop dealing with our firms which is also accepted to us

**Seal of the Firm**

**Signature of the Tenderer with Designation.**

Place:

Date:

**[On Company's Letter Head]**

**Annexure – 13**

**(Require for Price Justification, if Necessary)**

**(UNDERTAKING IN REGARD TO QUOTED PRICE)**

(All Bidders will have to furnish the following undertaking duly filled in, for all the quoted items/works of the tender along with online Technical Bid)

Ref.: Tender No..... / Gem Bid. No.

We, the undersigned, hereby declare and undertake that we have not accepted or executed any Letter of Acceptance (LOA) or Purchase Order (PO) at a unit ex-works price/any work at rate lower than the rate offered in this tender in any station of GSECL/GUVNL/ & Subsidiaries/ CPSU / SPSU/IPP etc. during the period from six (6) months prior to two (2) months after the bid submission date of this tender.

We also understand that LOA / Purchase Order placed by any station of GSECL/GUVNL Subsidiaries/ CPSU/SPSU/IPP etc. on the basis of above undertaking shall not be considered as 'offered' price for the tender items in subsequent tender, if it is not within period mentioned above.

I/We accept above undertaking.

**Seal of the Firm**

**Signature of the Tenderer  
With Designation**

**Place:**

**Date:**



<On the letterhead of the vendor/ payee>

To,

Date : \_\_\_\_\_

**Subject : Declaration for TDS/TCS under the Income Tax Act (IT Act)  
w.e.f.01/07/2021**

**Reference : Provisions of S. 206AB/ 206CCA/139AA of the IT Act**

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Dear Sirs,

This is with reference to the determination of appropriate Tax deduction at source (TDS) or Tax collected at source (TCS) as per the provisions of the Act i.e. Section 206AB/ 206CCA/139AA of the IT Act. In relation to the said provision of the Act: I / We, having status of <<mention status i.e. Individual/Company/ Firm etc.>> hereby declare and confirm that: -

- a) I/We have<<mention PAN>>Permanent Account Number (PAN) under the IT Act.(Copy of PAN card is enclosed herewith.)
- b) I/We have linked / will be linking Aadhar number with PAN as required under section 139AA (2) read with Rule 114AAA.latest by 30<sup>th</sup> June 2021.
- c) I/We have/have not filed income tax returns (ITR) for two previous years immediately prior to the year in which tax is required to be deducted and for which last date of filing of income tax return is expired u/s139(1) of the Act.

I/ We am/ are hereby attaching a copy of acknowledgment of ITR filed for any one of previous two financial years of which due date u/s139(1) is expired, as proof of filing ITR. *(Strike out full sentence if not filed IT returns)*

- d) The aggregate amount of Tax Deductible at Source (TDS) and Tax Collectible at Source (TCS) exceed/don't exceed Rs. 50,000 or more in each of the two aforesaid previous years in my/our case *(Vendor has to provide the extract of its Form 26AS if copy of ITR is not provided as above)*
- e) I/ We shall, indemnify the Company for any consequences arising out of any acts of commission or omission including incorrect declaration basis which the Company would act upon.  
I/We agree that Company shall determine applicability of section 206AB/206CCA of the IT Act based on the aforesaid declaration/documents filed by me/us and would deduct TDS/TCS accordingly. The decision of Company shall be final and acceptable to me/us. Strikeout whichever is not applicable.

Thanking you,  
Yours faithfully,

<<Signature>>

< Full Name of Vendor & seal >