



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଃ.  
ODISHA POWER TRANSMISSION CORPORATION LTD.  
OFFICE OF THE DY GENERAL MANAGER(ELECT.)  
EHT(O&M)DIVISION, DHENKANAL.  
AT-Ananda Nagar, Po-Dhenkanal, Dist-Dhenkanal, PIN-759001.  
PH. NO. 06762-243002 ,  
Email: [ehm.div.dkl@optcl.co.in](mailto:ehm.div.dkl@optcl.co.in)

**TENDER SPECIFICATION  
NO-04/2021-22.**

**FOR “ ERECTION & COMMISSIONING OF 2ND STATION TFR(250KVA, 33/0.4Kv) WITH PROVISION OF DP STRUCTURE AND BRICK WALL TRANSFORMER PLINTH AT 132/33KV GRID S/S, DHENKANAL UNDER EHT(O&M) DIVISION DHENKANAL”**

<b>SALE OF TENDER SPECIFICATION:</b>	<b>DT-01.10.2021.</b>
<b>LAST DATE SALE OF TENDER SPECIFICATION:</b>	<b>DT-26.10.2021 up to 1.00PM</b>
<b>LAST DATE OF SUBMISSION OF TENDER:</b>	<b>DT-26.10.2021 up to 3.00PM</b>
<b>DATE OF OPENING OF TENDER:</b>	<b>DT-26.10.2021 at 4.00PM.</b>
<b>COST OF TENDER PAPER:</b>	<b>Rs. 2000.00 + GST 12% ( Rs 2240.00)</b>

**NO. EHT(O&M)/DIVISION/...../DT.....**

**ISSUED TO,**

**M/S.....**

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6	Price of tender document	<b>Rs. 2000 /-+ GST 12% = 2240 /-</b> (Rupees two thousand two hundred fourty) only
7	COMMENCEMENT OF SALE OF TENDER PAPER.	<b>From dt.01.10.2021 to dt.26.10.2021(Up to 1.00PM)</b> AT EHT (O&M) Division, Dhenkanal. (During office hours)
8	DATE & TIME OF OPENING OF TENDER.	<b>From dt.26.10.2021 (At 4.00PM)</b> AT EHT (O&M) Division, Dhenkanal.
9	Tender posted by the registered post to should be reached at:	Odisha Power Transmission Corporation Ltd., O/O The Dy. General Manager, EHT(O&M)Division, Dhenkanal. At-Ananda Nagar(Kathagada), Dhenkanal. PIN-759001.

## SECTION-1

### **INSTRUCTION TO BIDDERS -**

**The Bidders must read in detail the “Instruction to Bidders” and “General terms and conditions” before filling the tender documents.**

#### **1. Contractor License & Experience:**

The bidders should possess valid Electrical HT/EHT Contractor license, Labour License with PAN Card & GST registration certificate for execution of works. They should be in possession of adequate skilled manpower, requisite tools & tackles & independent vehicles.

#### **2. TENDERS:**

- A) Bidders must submit their bids with original signature. Only those who have purchased the Tender specification from this office can submit their Tender & tenders submitted by other means Will be rejected.
- B) Tender must be submitted with other documents in duly sealed cover subscribed as tender against **“Tender call Notice No. & Date of opening of Tender on the body of the sealed envelope”** on or before **26.10.2021** for opening and addressed to the **Dy. General Manager, EHT (O & M) Division, OPTCL, Dhenkanal.**
- C) Tender shall be submitted either in person or by registered post. Any other means of delivery shall not be accepted. The tender submitted to any responsible officer after due date and time will not be considered. The authority is not responsible for receipt of tender after due date & time due to postal delay or any other reasons. The tender should be posted by the registered post to reach at **Odisha Power Transmission Corporation Ltd., Office of the Dy. General Manager, EHT (O & M) Division, Dhenkanal, Syamacharanpur, Dist- Dhenkanal (Odisha), Pin Code-759001.**
- D) The bidder has to deposit **EMD @ 1% of quoted value** in shape of cash / bank draft drawn **in favour of Dy. General Manager, EHT (O & M) Division, Dhenkanal.** The EMD of successful tenderers will be refunded after deposit of security-cum-performance deposit. The EMD of all unsuccessful tenderers shall be refunded on written request after finalization of tender. No Interest shall be paid on EMD. No adjustment towards EMD shall be permitted against outstanding amount, if any, pending with the OPTCL.

#### **3. FORFEITURE OF EMD:**

- A) In the event the successful tenderer fails to carry out the works / partly carry out the works as per the technical specification the EMD so deposited shall be forfeited.
- B) Any deviation from the terms and conditions of the contract the EMD so deposited shall be forfeited without any notice.

#### **4. INFORMATION ON COMPETITORS:**

Bidders have right to know information on competitors only at the time of opening of the bids.No further information on competitors shall be provided at any other point / stage of the tender without prejudice to Right to Information Act – 2005.

#### **5. OPENING OF TENDERS:**

- A) Copy of **PAN Card, GST Registration Certificate & Valid Civil License, Electrical Contractor License** must be enclosed with the tender bids.
- B) Bidders themselves or their authorized representatives limited to one person only (possessing authorization letter in original) shall be allowed to attend opening event of the tenders.
- 6. Tender should be prepared clearly and without any overwriting and corrections.Erasing and other changes shall bear the dated initial of the person signing the Tender.
- 7. In the event of discrepancy or arithmetical error in the schedule of price, the decision of the purchaser shall be final and binding on the tenderer. For evaluation,the price mentioned in words shall be taken if there is any difference in figure and word in the price bid.

## Section -II

### GENERAL TERMS AND CONDITIONS -

**1. a. Scope of the Contract: Erection & Commissioning of 2nd set of Station TFR(250KVA, 33/0.4Kv) with provision of DP structure and Brick wall Transformer plinth at 132/33kv Grid S/S, Dhenkanal** under EHT(O&M)Division, Dhenkanal The detailed quantity of required materials and works to be carried out are appended at Section-III.

**b. Validity:** The Tenderers are requested to keep the validity of their offer for a period of 6 months from the date of opening of tender.

**2. Price:** The bidders are advised to quote their rate as per the price schedule at Annexure I. The unit rate and the total amount should be entered in figures and words. Any correction should be attested under the seal of the Firm/ Contractor. In case of any difference between figure and words in the price schedule the price mentioned in words should be taken into consideration for evaluation.

**3. Commencement & Completion of Work:** The works awarded should be commenced from 15 days of the award of the contract & completed within 90 days from the date of order. If the work could not be completed within scheduled date due to any valid reason, then completion period may be extended on written request by the Bidder. If the work is not commenced & completed within the stipulated period, then the penalty shall be imposed as per clause No.04 of SECTION-II.

**4. Penalty:** Penalty @ ½ % ( half per cent) per week up to a maximum of 5% of the total value of the work order will be imposed and recovered from dues admissible if the work is not completed within the scheduled period.

**5. EMD:** The tenderers are requested to deposit **EMD @1% of quoted value** in shape of cash /D.D. Drawn in favour of Dy. General Manager, EHT (O&M) Division, Dhenkanal. The tender without EMD will be liable for rejection. The D.D / money receipt for the EMD should be enclosed along with original tender paper.

**6. Security Deposit:** The tenderer whose offer qualifies for acceptance will be awarded Work Order and the contractor shall have to be deposit **Security-cum-performance guarantee** equal to **10% (Ten percent)** of contract value(Without GST) in shape of Cash / Bank Draft in favour of **Dy. General Manager, EHT (O&M) Division, Dhenkanal**, as Security Deposit within 15 days of issue of work order . In the event of any breach or default in all or any conditions of the workorder or any defect found during the guarantee period and not repaired by the contractor free of cost, OPTCL may forfeit the whole amount of security deposit. The Security deposit will be released after two months of completion of the guarantee period subject to fulfillment of guarantee stated under guarantee clause on a receipt of application for this purpose. No interest shall be paid to the supplier towards the security deposit so deposited by the supplier.

**7. Terms of Payment: 100%**( One Hundred percent) payment along with full Taxes & duties(as applicable) will be paid by the paying officer after successful completion of work in all respect and due verification thereof by the consignee & approval of Guarantee Certificate from the undersigned and on receipt of funds from Head Office in this regards. The bills in triplicate should be submitted to the paying officer along with completion report duly verified by the concerned Consignee.

**8. Guarantee:** The work covered under this contract should be guaranteed for satisfactory operation against any defects for a period of 12 months from the date of completion of work. In case of any defects noticed during this period, the same shall be replaced / rectified by the contractor at its own cost, without any financial burden to OPTCL. Such defects are due to bad workmanship or bad materials used upon written notice from the engineer-in-charge. The replaced material/rectified work should also have similar guarantee. The above guarantee certificate shall be furnished in triplicate to the undersigned for approval. In the event of any breach or default in all or any condition of order, Security Deposit will be forfeited.

- 9. Supervising Officer:-** The concerned Line-in-charge of the Sub-Division or Maintenance Engineer of the Sub-Division is the Supervising Officer for the work awarded under his jurisdiction.
- 10. Inspecting officer: -** The SDO., TL Sub-Division, Dhenkanal.
- 11. Paying Officer:** The DGM, EHT (O&M) Division, Dhenkanal.
- 12. Jurisdiction of Court:** Suits if any, arising against the work order to be issued to the contractor shall be filed by either party in any court of law to which the jurisdiction of Odisha High Court extends.
- 13. Safety Practice:-** The Bidder must follow the OPTCL safety Rule while performing the work. The workmen must be provided with Safety equipment by the contractor while performing the works. No deviation will be allowed and the consignee has got power to stop the work at any time for breach of safety practice.
- 14. Deduction of Taxes-** Taxes, as applicable shall be deducted from the bill of the contractor as per prevailing rules.
- 15. DOCUMENTS:-** The following Xerox copy should be submitted with the tender paper & the same will be verified with original documents at the time of opening of tender.
- i) Valid Civil License, Electrical Contract License ( HT /EHT License)
  - ii) Labour License
  - iii) GST Registration Certificate
  - iii) Valid PAN
  - iv) Experience Certificate (optional)
- 16. ADDITION OR DELETION OF CONTRACT:-** The Contract may be altered in quantum as per exigencies of work. The bidder shall accordingly provide services as may be required by the Officer-in -Charge on being given a notice of 15 days
- 17. ARBITRATION:-** In the event of any dispute arising out his contract, the same shall be referred for arbitration to the Director (HRD) OPTCL, Bhubaneswar or any arbitrator appointed by the Chairman-Cum-Managing Director, OPTCL after due notice of claim and such appointment and the award of the arbitrator shall be final and binding as per Arbitration and Conciliation Act. 1996 shall apply. The venue of arbitration will be Bhubaneswar.
- 18. Workmen's Compensation:** The contractor shall be fully responsible for paying compensation, if any under the workmen compensation act on account of workmen deployed by him during the course of execution of work.
- 19.** The Authority reserves the right to reject the notice/ award the contract among any responsive bidders against this tender without assigning any reason thereof.

**Dy General Manager(Elect.)  
EHT(O&M)Division, OPTCL,  
DKL**

### **SECTION – III**

#### **TECHNICAL SPECIFICATION :-**

**The Scope of work:** -The scope of works must covers the followings.

The scope of works must cover the followings & as per Drawings to be supplied during execution of the work.

- i) The details of supply and work to be executed are given in the Price schedule which is to be executed under the instruction & supervision of the site Engineer. The contractor has to supply all the required materials /T&P and Labour for the above mention work.
- ii) 53 grade cement shall be used of any reputed manufacturers of cement inside the state.
- iii) The coated rate for the work will deem to include all incidental items which may be necessary for construction of benchmarks, level pillars, profiles, benching levels of the ground etc where required. No extra payment or claim will be admissible on these grounds.
- iv) Cleaning of debris where necessary shall be considered as incidental to the work and shall be the responsibility contractors to clean it.
- v) The Work will be executed as per instruction of Supervising Engg. and as the drawing to be provided.
- vi) Any variation in quantity of the items, that may be required during execution, to complete the work in all respect are to be finalized by the consignee.

**Dy General Manager(Elect.)  
EHT(O&M)Division, OPTCL,  
DKL**

**ANNEXURE-1**  
**PRICE SCHEDULE**

**Erection & Commissioning of 2nd set of Station TFR(250KVA, 33/0.4Kv) with provision of DP structure and brick wall Transformer plinth at 132/33kv Grid S/S, Dhenkanal.**

SI No	Description of Materials	Unit	Qty	Rate	Total Amount
1	13Mtr Long Joist Pole(150 x130) 34.6Kg/Mtr	Nos	02		
2	S/S DP Bressing channel(100 x 50 x 6) mm MS Channel each 2.8 Mtr Long(9.2 kg/mtr) x 2 Nos	Kg	51.52		
3	S/S DP Bressing channel(50 x 50 x 6) mm MS Channel each 2.8 Mtr Long(4.5 kg/mtr) with side angle (total 7 mtr)	Kg	31.5		
4	Pressure Channel(100x50x6)mm MS Channel each 4 mtr Long (9.2 Kg per Mtr) x 2 Nos	Kg	73.6		
5	Angle for mounting LT Distribution box (50x50x6)mm MS Angle-2.5 Mtr each 2 nos (4.5 Kg/Mtr)	Kg	22.5		
6	33kv AB Switch 3 pole(400A)	Set	01		
7	33kv HG Fuse 3 pole(400A)	Set	01		
8	36Kv Metal Oxide W/O ring, Gap Less Surge arrester of voltage 30Kv	Nos	03		
9	HT Stay set (Complete)	Set	02		
10	HT Stay Insulator	No.	02		
11	HT Stay clamp (1.95 Kg/Pair)	Pair	02		
12	7/8 SWG Stay Wire	Kg	24		
13	SI No.6 GI Wire	Kg	20		
14	Red Oxide Paint (For painting of 2 pole structure)	Litre	02		
15	Aluminium Paint (For painting of 2 pole structure)	Litre	02		
16	Ms Nut, Bolt & Washer	Kg	36		
17	Outdoor type 4 pole motorise change over switch (Make: ABB/Schneider/Siemens or other equivalent reputed brand) motor operated including a shaft, handle, bridging bars(motor voltage 240V AC) rated current 400Amps	No	01		
18	L.T. Distribution box with fittings as mentioned below Including wiring and fitting of materials complete in all respect i) Out Door Distribution Panel Box of Size (700 mm x 400 mm x 1000 mm) made of 2 mm thick CRCA MS Sheet painted with Siemens Grey colour ii) 400 Amp Cu Bus Bar (600 mm long) - 4 nos. iii) 400 Amp Kit Kat Fuse - 6 nos. iv) Cable gland 12 nos. for 300 sq. mm Power cable	No	01		
19	Sundries for survey, PVC tape, Ampere tape, Danger Board, small size nut & Bolt, preparation of drawing & Socket etc.	LS	01		
20	Erection of Station Transformer(33/0.4Kv), 250KVA	Per TFR	01		
21	Oil Filtration of the Transformer including supply of Filter Machine, Pipes, T&P, Consumables and Labour as required	Per Tfr	1		

22	Excavation & Back Filling for foundation of equipment and column including supply of all materials, Labors and T&P and as per the instruction of Engineer in charge i) (3 m x 3 m x 1.2 m) =10.8 cum for Plinth ii) 2(0.76 m x 0.76 m x 1.5 m)=1.73 Cum for Joist pole	Cum	12.53		
23	Filling of sand with supply of all labour & T&P up to a height of 200mm (3 m x 3 m x 0.2 m)	Cum	1.8		
24	Foundation & Reinforcement:- Supply of all materials, good quality planks, ballas, shuttering plates for centering, shuttering, supply of good quality 20 mm machine broken granite chips, good quality river sand and concreting, curing for foundation of columns, equipment structure, transformer and cable trench slab etc. as per IS:4156 including cost of Taxes, royalties, lead lift and T&P				
25	a) As per above specification with M-100 grade concrete in ratio (1:3:6) with cost of cement and without steel i) (3 m x 3 m x 0.2 m)= 1.8 cum for foundation of plinth ii) 2(0.76 m x 0.76 m x 1.8 m)= 2.07 Cum for Joist pole	Cum	3.87		
26	Brick Masonry in ratio 1:5 with supply of first class K.B. bricks, good quality river sand, labour & T&P with supply of cement for steps to Transformer plinth i) for 1st step = (2.254 m x 0.635 m x 0.8 m) x 2 + (0.984 m x 0.635 m x 0.8 m) x 2 = 3.28 Cum ii) for 2nd step = (2 m x 0.38 m x 1.2 m) x 2 + (1.238 m x 0.381 m X 1.2 m) x 2 = 2.96 Cum	Cum	6.24		
27	Filling of sand up to plinth height enclosed by brick wall with supply of all Labour & T&P (0.984 Mtr x 0.984Mtr x 0.8 Mtr) + (1.23 Mtr x 1.23 Mtr x 1.2 Mtr)= 2.584 Cum	Cum	2.584		
28	b) As per specification of SL No.21 with ratio of Concrete (1:1.5:3) with cost of cement and without steel 2 Mtr x 2 Mtr x 0.1 Mtr = 0.4 Cum for Plinth top seal cover	Cum	0.4		
29	Cement plastering of plinth with mortar of 1:6 with supply of good quality sand & cement Plinth plastering = (1.3 Mtr x 2 Mtr) x 4 + (2 Mtr x 2 Mtr)= 14.4 Sqmt	Sq Mtr	14.4		
30	Pipe Earthing including excavation of earth. Treatment of bentonate compound, back filling with borrowed earth, termination of earth mat riser by nut bolting, apply of paint wherever necessary with supply of all labour & T&P as per ISS-3043 With cost of earthing pipe (50 mm dia 3050 mm length medium gauge) and (50 mm x 6 mm) GI flat	Per/sect	04		
31	Laying of earth flat (of size 50 mm x 6 mm) With supply of Earth Flat	Per Mt	50		



32	Earthing riser-connection of different size GI flat from earth mat to equipment, welding of different size flats, application of two coats of bituminous paint, wrapping of HT tapes with supply of labour & T&P. With supply of GI flat of size 50 mm x 6 mm.	Per Mt	50		
	<b>TOTAL AMOUNT</b>				
	<b>GST 18%</b>				
	<b>TOTAL AMOUNT INCLUDING GST</b>				

**In Words(.....  
.....) only.**

**Date-  
Place-**

**Signature of the Tenderer  
with seal.**

**ANNEXURE-11**

**DETAILED DATA SHEET TO BE FURNISHED BY THE TENDERERS**

1	Name of the Agency/Contractor with detailed postal address with contact no.	
2	Earnest money deposited vide <b>Bank Draft No./ money receipt No</b> _____ date _____ amount in Rs. _____ (Rupees _____ ) only	
3	Tender Paper purchased vide Cash receipt no / Bank Draft No.....Dated..... Amount in Rs ( Rupees.....)only	
4	Attested copy of valid GST registration certificate	Furnished / Not furnished
5	Attested copy of PAN card	Furnished / Not furnished
6	Attested copy of Civil License, Electrical Contract License (HT/EHT)	Furnished / Not furnished
7	Labour License.	Furnished / Not furnished
8	Agreed to furnish Contract security deposit	Yes /No
9	Agreed to accept payment terms as per the tender specification	Yes /No
10	Agreed to adhere Completion period as per the tender specification	Yes /No
11	Agreed to accept penalty clause as per the tender	Yes /No
12	Agreed to all terms & conditions of the tender specifications.	Yes /No
13	Attach past experience certificate for similar job in OPTCL/ DISCOM/ OHPC/ OPGC or any other agencies	Yes /No

**Date**

**Signature of the Tenderer  
with seal.**

