

# ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.



ODISHA POWER TRANSMISSION CORPORATION LIMITED  
(A Government of Odisha Undertaking)  
OFFICE OF THE GENERAL MANAGER (ELECT)  
EHT (O & M) CIRCLE, CHAINPAL  
P.O.-CHAINPAL COLONY, DIST-ANGUL (ODISHA) PIN- 759104  
CIN: U40102OR2004SGC007553

No. 277

PART-I

dt- 02.05.2023

SECTION-I

## TENDER CALL NOTICE No. CHP-01/2023-24

For and on behalf of ODISHA POWER TRANSMISSION CORPORATION LTD, General Manager, EHT ( O & M) Circle, Chainpal invites Bid from Reputed Bidders having EHT/ HT Contractor's license with valid PAN, GSTIN and experience (in similar type of work under OPTCL /GRIDCO/ PSU/any other Govt. Organization) for “Overhauling of 100MVA 220/132/33KV Auto Transformer-II (Make- BHEL) at 400/220/132KV Grid Sub-Station, Meramundali under EHT (O&M) Division, Meramundali”.

Sl. No	Tender Specificati on No.	Location Details.	INDIAN RUPEES			Last date of submission & date of opening
			Earnest Money Deposit in Rs.	Cost of Tender Spec. Document (Including GST)in Rs.	Tender Process ingFee in Rs.	
1	CHP-01/2023-24	400/220/132 KV Grid S/S, Meramundali under EHT (O&M) Division, Meramundali	1% of your quoted Price	Rs.7080/- [Only in the shape of DD]	5900.00	Up to 22.05.2023 (16:00hrs ) and 23.05.2023 (11:30 Hrs)

**NB:** Failure to furnish/upload any or all information as required as a part of Bid document in all respect will be at the Bidder's risk and may result in rejection of the Bid.

The interested bidders would be required to enrol themselves on the tender portal [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) and must possess Class 3 Digital Signature Certificate. Complete set of bidding documents are available at [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) from dt- 06.05.2023 (10.00 Hrs) To dt- 22.05.2023 (12.30 Hrs) Interested bidders may visit OPTCL's official web site <http://www.optcl.co.in> and [www.tenderwizard.com/OPTCL](http://www.tenderwizard.com/OPTCL) for detail specification.

The bidders can view the tender documents from website free of cost. The bidders who want to participate in the tender shall have to pay **Rs.7,080/- (Rupees Seven Thousand Eighty only) non-refundable** (including GST @ 18%) towards the cost of tender document, in the form of **Demand draft** only, drawn in favour of **EHT (O&M) Circle Chainpal, Payble at UCO Bank, TTPS Branch**. The tender must be accompanied with requisite EMD @ 1% of your quoted value in shape of DD./BG in



favour of "EHT (O&M) Circle Chainpal, Payble at UCO Bank, TTPS Branch. (In case the D.D made from any other nationalized bank payable at any clearing branch at Talcher/Angul will be allowed, But the bidders have to deposit the collection fee (Bank transaction fee) along with the paper cost. The collection fee & Paper cost is Nonrefundable) and the same is to be submitted to the office of the undersigned on or before the last date of opening of Tender.

The bidders shall have to submit non-refundable amount of Rs. **5900/- (Rupees Five thousand Nine hundred only)** towards the tender processing fee through **e- payment mode..**

**(NOTE: For deposit of tender processing fee to K.S.E.D.C. Ltd. Bangalore, the bidder can use various modes of epayment facility available through Tender wizard Portal, i.e. by Credit Card, Debit Card and Net Banking)**

The bidders shall scan the Demand Draft towards Tender paper Cost and acknowledgement slip for tender processing fee and upload the same in the prescribed form in **.pdf** or **.jpg** format in addition to sending the original as stated above.

The prospective bidders are advised to register their user ID, Password, company ID from website **www.tenderwizard.com/OPTCL** by clicking on hyper link "Register Me".

Any clarifications regarding the scope of work and technical features of the tender can be had from the undersigned during office hours.

N.B:- All subsequent addendums/corrigendum to the tender shall be hosted in the OPTCL's official web site **http://www.optcl.co.in** and **www.tenderwizard.com/OPTCL only.**

**Minimum Qualification criteria of bidders: AS STIPULATED IN SECTION-II (G.T.C.C) of the Tender Specification.**

**The Quantum of work as in table below.**

Overhauling of 100MVA 220/132/33KV Auto Transformer-II (Make- BHEL) at 400/220/132KV Grid Sub-Station, Meramundali under EHT (O&M) Division, Meramundali".

Sl. No.	Description of Items.	Unit	Qty.
1	Dismantling of 100MVA Transformer Main Tank Cover, all bushing and all other accessories through Impact wrench & other tools.	LS	1
2	Erection of 100MVA Transformer Main tank cover, all bushing with HV & LV lead and all other dismantled accessories with supply of different size of good quality gasket, insulation tapes & O-ring with all labour & T&P.	LS	1
3	Cleaning of Slug Content and Hot Oil Flashing.	LS	1

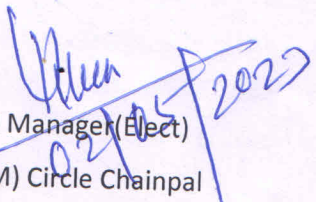


4	Maintenance of OLTC including 03 nos of Selector switch by dismantling of 03 nos Diverter switch, Checking of Fixed and moving contacts of Selector Switch, Cleaning of Diverter Switch & Assembly of diverter switch. Three no. diverter switch should synchronize properly.	LS	1
5	Vacuum and dry air treatment of Transformer. Minimum vacuum capacity 1400M3 /Hr with Bourden Gauge & Pirana Gauge. Dry plant with capacity 90M3 /Hr with Vaisala make dew point meter should be installed.	LS	1
6	Oil Filtration capacity 10000 lph / 12000 lph with BDV kit 0-100 KV & Vaisala Make PPM meter.	LS	1
7	Heat treatment including supply of heating element, T&P, consumables and labour as required.	LS	1
8	Painting of 100MVA Transformer and accessories-scrapping, washing and painting by applying one coat bison zone Phosphate primer of Asian/Berger make, 2nd coat of primer to be applied with high build M-10 sandwich coat over the primer coat and final two coats of painting with Berger/ Asian make high glossy Luxol or equivalent enamel paint of BS gray over the sandwich coat with supply of all materials, consumables, T&P as per instruction of Engineer-in-Charge.	LS	1
9	Replacement of Oil Surge Relay with supply make-BHELL	No	3

**SCOPE OF THE CONTRACT:**

- i. Cleaning of transformer & its accessories.
- ii. Measurement of IR & PI values before overhauling.
- iii. Draining of transformer oil.
- iv. Note down the tap position of before transformer top cover.
- v. Dismantling of all transformer accessories (like- radiators, conservator, buchhloz relay pipeline, etc.)
- vi. Opening of top cover by suitable capacity of hydra / crane.
- vii. Inspection of core coil assembly for physical damages from top.
- viii. Tightness of Tie rod and core nut bolts to reduce the humming of the transformer.
- ix. Checking & Tightness of wooden support's nut and bolts of winding.
- x. Replacement of old insulation paper with new one where it is necessary.
- xi. Cleaning of core coil assembly by fresh hot oil.
- xii. Cleaning of sludge content from main tank by cotton cloth.
- xiii. Cleaning of all accessories of transformers.

- xiv. Cleaning of DM box & Marshalling Box.
- xv. Replacement of all gaskets & O-ring by new gaskets of main tank, radiators, conservators and all other accessories.
- xvi. Replacement of oil seals and gaskets of HV and LV bushing by new oil seal.
- xvii. Replacement of OLTC top cover gasket /O-ring.
- xviii. Diverter switch cleaning & replacement of gasket.
- xix. Checking and cleaning of tap changer contacts (Moving and fixed) and its operating lever condition.
- xx. Assembling of all accessories of transformer (like- radiators, conservator, buchholz relay pipeline, etc.)
- xxi. Vacuum of Transformer.
- xxii. Filling of dry air at a certain pressure for a limited time period.
- xxiii. Dehydration of transformer (i.e. Dry air).
- xxiv. Checking and servicing of Buchholz relay.
- xxv. Checking of oil and winding temperature indicator. Checking of Oil level indicator.
- xxvi. Filling of new transformer oil through oil filter machine after checking its BDV.
- xxvii. Dehydration of transformer for improvement of insulation resistance by hot oil circulation.
- xxviii. IR value measurement at every 2 hrs. During filtrations.
- xxix. Erection & Commissioning of Air-cell.
- xxx. Replacement of silica Gel in breather and checking the condition of breather.
- xxxi. Checking of all protections for transformer such as Buchholz Relay, PRV, OSR, OTI & WTI, etc.

  
General Manager (Elect)  
EHT ( O & M ) Circle Chainpal