

SECTION-1



ଓଡ଼ିଶା ବିଦ୍ୟୁତ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.
ODISHA POWER TRANSMISSION CORPORATION LTD.

(A Government of Odisha under taking)

Regd. Office: Janpath, Bhubaneswar-751022, Odisha

OFFICE OF THE GENERAL MANAGER (ELECT.)

EHT (O&M) CIRCLE: BURLA,

AT/PO – BURLA, DIST.: SAMBALPUR – 768017

TELE/FAX: (0663) 2430160, e-mail: ehm.cle.brl@optcl.co.in

CIN: U40102OR2004SGC007553

OPEN TENDER CALL NOTICE NO. 46/ 2022-23 (TWO PART BIDDING)

The General Manager (Elect.), E.H.T. (O&M) Circle, Burla invites sealed Tenders (Two Part bidding) in duplicate from EHT/ HT Contractor License with valid PAN, GST Registration Certificate holder and having experience in similar nature of work for “**Overhauling of 20MVA 132/33KV Transformer-I (Make- NGEF) at Grid Sub-Station, Hirakud**” under EHT (O&M) Division, Burla.

The tender specification can be obtained from the office of The G.M. E.H.T. (O&M) CIRCLE, BURLA on payment of **Rs. 4000/- (Four Thousand only) + GST @ 18%** (Non Refundable) in shape of Cash/Bank Draft in favor of EHT (O&M) CIRCLE, BURLA payable at BURLA, Sambalpur on (During Office hour) from **Dt. 13.01.2023 to 30.01.2023**. In case the B.D made any other nationalized bank payable at any clearing branch at Burla 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. Additional amount of Rs.100/- (One Hundred only) may be paid extra for postal delivery of the tender specification. The undersigned shall not be held responsible for any postal delay.

The Tender shall be received up to 13:00 Hr of dated 31.01.2023 & Technical bid will be opened at 16:00 Hr. on Dt. 31.01.2023 in the Office of the undersigned in the presence of the Bidders (or) their Authorized Representatives present if any. **Opening of Financial bid of those who qualify the technical bid will be intimated later.** If any of the above date happens to be a holiday, the next working day will be the corresponding effective date. One Tender paper shall be issued to one Bidder. E.M.D @ 1% of the total quoted value should be deposited in shape of Demand Draft / Cash in favour of E.H.T. (O&M) Circle, Burla & payable at "Union Bank of India", Burla Branch along with Self Attested Copy of EHT/ HT Contractor License, PAN Card, GST Registration Certificate and experience failing which the tender will be liable for rejection.

The bidder should superscribe only the “Tender Call Notice No. & Date of Opening of the tender on the body of the Sealed Envelope”. Bidder should not write their name or any other information on the body of the sealed envelope. Super scribing any other information on the body of the envelop, Conditional tender, Incomplete tender, Telegraphic / Fax / E-mail (etc.) Tenders & Tenders not accompanied with requisite amount of E.M.D. will be rejected. The authority reserves all rights to reject any, all or part of the Tender, alter/modify the requirement/ delete any part of the tender without assigning any reason thereof.

N.B:- Tender Paper must be purchased from this office only within stipulated period. No other mode like downloaded paper from website will be accepted.

Handwritten signature and date: 11/01/2023

**GENERAL MANAGER
E.H.T. (O&M) Circle, Burla**

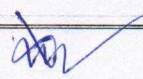
Energy is precious. Save it.

**TECHNICAL SPECIFICATION FOR OVERHAULING OF 20MVA 132/33KV
TRANSFORMER-I (MAKE- NGEF) AT GRID SUB-STATION, HIRAKUD" UNDER EHT
(O&M) DIVISION, BURLA.**

Sl. No.	Description	Unit	Qty.
1	Dismantling of Transformer Bushings & all other accessories. Dismantling of Top cover with HV & LV Leads. Assembly of Top cover including supply of crane and man power.	No.	1
2	Replacement of HV, LV & Tap lead insulation including supply of materials.	No.	1
3	Welding of Transformer Main Tank at bottom leakage portion	LS	1
4	Hot oil flushing & Removal of Sludge content from main tank and radiators.	Lot	1
5	Preparation of Gaskets with supply and fixing.	Set	1
6	Heating, Vacuum and Dry air Treatment process of the Transformer.	Lot	1
7	OLTC overhauling	No.	1
8	Oil filtration of 20 MVA 132/33 KV Transformer	No.	1
9	Erection of 20 MVA 132/33 KV Transformer.	No.	1
10	Painting of Transformer with Surface cleaning. 1 st coat Red oxide, 2 nd coat MIO, 3 rd coat Smoke Grey, 4 th coat Smoke Grey.	LS	1

SCOPE OF THE CONTRACT:

1. Scope: The scope of this specification covers the supply of materials, repair, assembling, inspection of the Transformer in the S/Y premises of 132/33 KV Grid S/S, Hirakud. The details scopes of repairs are enumerated as follows.
 - 1.1. **Supply of Material:-** The materials to be supplied by the Firm should be of Good quality & of reputed Brand. Any other materials required but not in the scope may be provided by the Firm, which will be paid extra as applicable.
 - Nitrile base cork or equivalent shall be used for gaskets. Oil resistant synthetic Rubber gaskets are not permitted except where the synthetic rubber is used as a bonding medium for cork or similar material or where metal inserts are provided to limit compression.



- 1.2. **Rust Cleaning & Painting:-** Rust cleaning & painting with MIO PAINT FOR HEADER, FOOTER, Radiator, Main-tank, Conservator, Pipes, Dummies, Fan Stand, HV turrets etc including all Transformer accessories. The inside of the Transformer tank also to be cleaned.
- 1.3. **Gasket Replacement:-** Complete gasket replacement to be done including main tank cover, conservator tank, dummies, Turrets, Pipe joints, Bushings & Radiators etc.
- 1.4. **Heating, vacuum and Dry Air Treatment:** After cleaning of the sludge, the Transformer should be processed with Heating, Vacuum and Dry Air treatment to get good insulation values. The vacuum plant should have vacuum gauge. The Dry air generator should have Dew point measurement meter.
- 1.5. **Filtration of Oil:-** Oil filtration of the transformer including supply of Filter machine, pipes, T&P, consumables and Labour as required. The filter machine to be used should be of capacity minimum 6000 Ltr./ Hour.
- 1.6. **Repair:-** Welding, Brazing, minor repair to be done with supply of consumables for completion of the work.
- 1.7. **Fixation of Accessories:-** Assembling the transformer with the supplied material by the Firm as well as OPTCL in complete shape.
- 1.8. **Testing & Commissioning:-** After completion of the overhauling work of the Transformer, Testing will be conducted by OPTCL testing team. After testing, if the values are found satisfactory, the transformer may be taken into service. However your workmen may be required to remain present at site till charging and loading of the transformer (idle charging for 24Hrs and thereafter loading for 24 hrs).

Shil
11/01/2023

**GENERAL MANAGER (Elect.)
EHT (O&M) CIRCLE, BURLA**