



**ODISHA POWER TRANSMISSION CORPORATION LTD.,  
REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,  
ODISHA, INDIA.**

Website:- [www.optcl.co.in](http://www.optcl.co.in)

**Expression of Interest (EOI) No: 1361/2012-13  
for Repair of EHV Transformers**

For and on behalf of the ODISHA POWER TRANSMISSION CORPORATION LTD., the undersigned invites Expression of Interest (EOI) for repair of defective EHV transformers, in sealed cover, duly super-scribed with “Expression of Interest for Repair of     (rating)     Transformers” and the date of opening, from manufacturer(s)/repairer(s) of EHV transformers.

Expression of Interest in complete shape in duplicate will be received **up to 3.00 P.M.** on **Dt. 20.01.13** in the office of the Sr. General Manager [Central Procurement cell], OPTCL, Bhoi Nagar, Unit-IX, Bhubaneswar -751022 and will be opened **at 03.30 P.M** on **Dt. 20.01.13**. The authorized representative of participant may be present at the time of opening the EOI. **The representative shall be allowed to be present only if they produce the authorization letter on the bidder’s letter head.** The Senior General manager [C.P.C.] or his authorized representatives will open and read the EOI submitted.

EoIs shall be submitted in person or by Registered Post with AD. Any other means of delivery shall not be accepted. When delivered in person, the EoI shall be received by a responsible officer of the office of the Senior General Manager [C.P.C.], OPTCL who shall officially acknowledge the receipt of the same. EoIs received after due date and time shall be returned un-opened.

**Telegraphic or FAX EoIs** shall not be accepted under any circumstances.

OPTCL also reserves the right to accept or reject any or all application without assigning any reasons thereof, if the situation so warrants. **OPTCL** shall not be responsible for any postal/ courier delay at any stage.

**Participant shall submit separate EOI, for each rating of transformer.**

### **1.0 Description**

Odisha Power Transmission Corporation Ltd (OPTCL), a Govt. of Odisha Undertaking involved in intrastate transmission business. OPTCL is having more than 200 numbers EHV transformers of different MVA rating in operation. It intends to repair the defective 220/132kV, Autotransformers of 100MVA capacity and 132/33kV transformers of capacity 40MVA, 20MVA and 12.5MVA through short listed transformer manufacturer(s)/repairer(s) having minimum qualification criteria through this Expression of Interest. The category wise short-listed agencies will be empanelled for a period of three years. The empanelled agencies will be invited to submit their price bid for repair of each defective transformer separately as and when required. Broad scope of repair is at Schedule –I. The bid with lowest quoted price will be considered for award of work.

### **2.0 Minimum qualification criteria of bidders:**

1. a) The participant for each rating of transformer, mentioned in Section:1.0, shall be a **manufacturer/repairer** of the similar or higher rating & voltage class of the transformer, such manufactured or repaired transformer should have been in satisfactory operation for **at least last 2(two) years** from the date of opening of the EoI.

If a participant qualifies for a particular rating of transformer, he will also qualify for all other lower rating transformers. Hence, if the participant is sure he need not participate in all rating of transformer. However, on the safer side it is advisable that the participant shall participate in all rating of transformer, where ever he fills eligible. In that case, the participant shall submit separate EOI for each rating of transformer in separate sealed cover. In such case, OPTCL will open the EOI for highest rating transformer of each participant first, if found eligible and qualified, EOI for lower rating transformers will not be opened.

- b) The Bidder should have conducted Heat run test and routine test on above transformer. The Bidder should furnish copies of Type test (for New transformer manufactured) / Heat run test (for repaired transformer) certificates along with copies of commissioning reports of these transformers.

The participant in his EOI shall furnish evidence on his capacity in engineering, repairing, testing and commissioning of above rated transformers or higher ratings. To substantiate this, he has to furnish list of machineries, testing equipment, engineering personnel and user's certificate, Sl.No. MVA rating, class, make, date of installation, place of installation etc. along with the user's signature in support of successful operation of transformers for more than two years.

2. The agency who is a manufacturer/repairer & under the process of manufacturing & supplying similar type or higher rating transformers can also offer their EOI but their EOI may be considered by OPTCL only after detail scrutiny of their technical capability in manufacturing, designing, repairing, testing of the above rated transformers as well as performance of their manufactured/repaired transformers in Govt. Utilities.
3. To conduct tests for repaired transformer, the repairer/manufacturer shall have adequate facilities in his works. The bid shall include complete details of testing facilities available at the manufacturer/repairer's work with details of equipment/instrument range, make, accuracy class, voltage class current rating available for testing of the equipments/materials, with details of calibration of the equipments, authenticity of the test house.
4. The participant should have minimum average annual turnover of minimum Rs.3.00 Crores during last three consecutive years
5. Documents in support of the above claim (from item 1 to 4) must be furnished alongwith the EOI.
6. Notwithstanding anything stated above, OPTCL reserves the right to assess Applicant's capability & capacity to repair power transformers, should circumstances warrant such an assessment in the overall interest of the purchaser.

### **3.0 The EoI shall Contain the following documents.**

1. Declaration Form.
- c) List of orders executed for similar materials/equipment during preceding five years indicating the customer's name, Purchase Order No. & Date, date of supply and date of commissioning etc.
- d) Data on past experience of the Item for which EoI submitted.

The applicants are required to furnish sufficient information to establish their qualification, capacity to manufacture and/or supply the materials/perform the work. Such information shall include details of their experience, financial, managerial and technical capabilities. They should furnish information regarding experience particularly on the following points:

- Description of equipment/material similar to that EoI applied [supplied and installed during the last five years with the name of the organizations to whom supply was made]. manufactured/ Repaired/up rated &supplied and installed during the last five years with the name(s) of the Organizations to whom supplies were made wherein, at least one (1)User's certificate shall be from a state/central P.S.U., Details as to where installed etc.
  - A list of purchase orders/work orders of identical material/equipments Designed, manufactured/ repaired, tested and commissioned during the last five years along with users certificate. User's certificate shall be legible and must indicate, user's name, address, designation, place of use, and satisfactory performance of the equipment/materials for at least last two years from the date of opening of EOI; Wherein at least one (1) certificate shall be from a State/Central or P.S.U. User's full complete postal/FAX/Phone address must be indicated.
- e) EOI shall be accompanied by Photostat copy of latest type test certificates (Temperature rise tests ) & routine test Certificates for the tests carried out on prototype materials or equipment being offered (new or repaired transformer). Such type test should have been conducted in a Govt. approved laboratory/ CPRI/ manufacturer/repairer's factory in presence of any Govt. or Public Sector Organization's representatives within the last 5 years from the date of opening of this EOI.
- f) Testing facilities at manufacturer's works.
- g) The applicants are also required to furnish details of availability of appropriate technical staff and capability to perform after sales services. The above information shall be considered during scrutiny and evaluation of bids and any bid which does not satisfactorily meet these requirements, shall not be considered.
- h) If the applicant is having collaboration with another firm, details regarding the same and present status.
- i) Copy of Service Tax registration certificate, Sales tax clearance certificate for the previous year.
- j) Audited Balance sheet & profit loss accounts for the previous three years of the bidder duly certified by Chartered Accountant.
- k) Documents in support of minimum annual turnover of Rs.3.00 Crores in any one year out of the last three consecutive years i.e. during the years 2009-10, 2010-11 & 2011-12 (part)
- l) Copies of Last 3 (Three) years' Income Tax Returns and the permanent account number [PAN] of the firm is required under Income tax Act.
- m) List of Orders in hand to be executed.

#### **4.0 The selection process for short listing:-**

- a) The EOIs shall be opened in the Office of the Senior General Manager [Central Procurement Cell] on the due date. After scrutiny of the technical particulars and other commercial terms, clarifications, if required, shall be sought for from the applicant(s).

- b) On receipt of technical clarification, the EOIs shall be reviewed, evaluated and those not in conformity with the qualifying criteria, shall be rejected. If any of the technical proposal requires modification to make them comparable, discussion will be held with the applicants.
- c) EOIs will not be considered if the past manufacturing experience is found to be unsatisfactory.
- d) The short-listing of firms will be done on the basis of their credentials, testing facilities, manpower and technical & financial conditions as per the pre-qualification criteria. However, in case of huge number of applicants, the pre-qualification criteria /minimum eligibility standard can be raised by OPTCL short-listing only the best suitable firms. Decision of OPTCL as regards eligibility shall be final and binding.
- e) If a participant qualifies for a particular rating of transformer, he will also qualify for all other lower rating transformers. OPTCL will open the EOI for highest rating transformer of each participant first, if found eligible and qualified, EOI for lower rating transformers of that participant will not be opened.
- f) The qualified applicant(s) shall be Short-listed and empanelled pre-qualified agencies will be invited for techno commercial offer for repair of transformers, after on-site verification.
- g) Incomplete applicant(s) and application(s) not filled in properly with required details are liable for rejection and OPTCL will not entertain any further communication in such cases. In case of any information or document found to be false or forged or incorrect at any stage, OPTCL shall take appropriate action in this regard as per law.
- h) OPTCL reserves the right to accept or reject any or all offers without assigning any reason whatsoever.

**SR. GENERAL MANAGER  
CENTRAL PROCUREMENT CELL**

**BROAD SCOPE OF REPAIR**

The scope of repair includes the following major activities

**1) Transportation**

Dismantling, Loading & Unloading , dragging , transportation of transformer (by road) including bushing , radiators , conservators , fans and all other necessary parts from OPTCL site to repairer's workshop, repair , inspection & testing & sending back after due repairs to the OPTCL sites (transformer's plinth ) as per dispatch instruction issued by OPTCL, it's supervision of erection & commissioning .

**2) Inspection and testing**

Initial inspection after dismantling and before repair work, stage inspection during repair and reconstruction and on completion of repair works final inspection & testing of repaired transformer. The pre dispatch tests includes temperature rise/heat-run test and Routine Test as per IS:2026

**3) Repair**

Repair of transformer involves dismantling of cores & winding including removing all core laminations and rebuilding after cleaning and necessary treatment , if required., cleaning of core laminations , tank, tap changer , breather, conservator , radiators, breather & all other parts fitted with the transformer. Replacement of damaged core laminations by new core. Reassembly of core & winding with new or reinsulated /rewound copper conductor, providing new phase barriers , spacer's, all minor & major insulations excluding those provided in individual windings permawood etc. and other new parts in lieu of damaged ones including brazing , soldering sleeving and insulating etc. if required , vacuum oven drying of assembled core & windings, changing of all gaskets by new ones, making terminal connections , welding of tank , radiators & other parts at the point of leakage , radiators , filling oil , filtration and dehydration, overhauling of cooling fans, pumps if necessary and testing as per relevant ISS and OPTCL'S specification. Complete spray painting of transformer externally with two coats of high glossy heat resistible gray paint & painting of transformer tank internally with two coats of oil resisting paint.

Supply/replacement of following parts / materials, if necessary, H.V, LV, Neutral and Tertiary (stabilizing) bushing with accessories, PRD (Pressure relief device) Oil drain valves Radiator valve Buchholz Relay Oil Surge Relay Dial thermometer C.T along with all necessary parts/accessories for winding temperature indicator. Breather with silicagel Magnetic oil level gauge for conservator. Tank nuts and bolts Explosion vent with diaphragm Radiator Complete sets of gaskets

# ANNEXURE - I DECLARATION FORM

To

Sir,

1. Having been gone through above Expression of Interest notice together with scope referred to therein I/We the undersigned hereby submit our Expression of Interest for repair of \_\_\_\_ MVA 132/33kV power transformer complete in all respects as per the EoI notice.
2. The statement is made for the express purpose of short listing as repairer of transformer.
3. I/we acknowledged the right of the authority to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on account whatsoever.
4. In the event I/we are qualified and shortlisted, I/We agree to participate in the finance bidding process for repair of transformer.

Signed this

day of

`2013

Yours faithfully

Signature of the Applicant with seal of the company

[This form should be dully filled up by the applicant and submitted along with the original copy of the tender]

\*(Strike out which is not applicable)

**ANNEXURE-II**  
**ABSTRACT OF GENERAL REQUIREMENTS**

1	Manufacturer's supply experience including user's certificate furnished or not	Yes/No
2	Whether ITCC/STCC/ P&L A/C, Balance Sheet for the required period are furnished	Yes/No
3	Whether recent type test certificates from any Government approved laboratory is furnished or not.	Yes/No
4	Whether guaranteed technical particulars are furnished or not	Yes/No
5	Whether dimensional design/drawings furnished or not	Yes/No
6	Whether materials are ISI/ISO marked.	Yes/No
7	Manufacturer's name and it's trademark.	Yes/No
8	Whether registered under Odisha Sales Tax Act. 1947	Yes/No
9	Whether declaration form duly filled in furnished or not.	Yes/No.

Place: -

Date: -

**Signature of the Participant  
with seal of the company**

**ANNEXURE-III**  
**DATA ON EXPERIENCE**

- [a] Name of the manufacturer/ repairer.
- [b] Standing of the firm as manufacturer/ repairer of equipment/material for which EoI applied.
- [c] Description of equipment/material similar to that EoI applied [supplied and installed during the last five years with the name of the organizations to whom supply was made].
- [d] Details as to where installed etc.
- [e] Testing facilities at manufacturer's works.
- [f] If the manufacturer/ repairer is having collaboration with another firm, details regarding the same and present status.
- [g] A list of purchase orders, executed during last five years.
- [h] A list of similar equipments/material Designed, manufactured/ repaired, tested and commissioned which are in successful operation for at least last two years from the date of opening of EOI with user's certificate. User's full complete postal/FAX/Phone address must be indicated.

Place:

Date:

Signature of tenderer

Name, Designation, Seal