

Scope of work for dismantlement and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula substation.

1. Scope of work includes lifting, dragging, dismantling, packing, loading and transportation of 1 no. 500 MVA, Autotransformer (ICT) along with accessories and oil filled in oil tanker (to be arranged by the contractor) from 400 kv substation PSTCL, Nakodar to unloading and erection of the ICT including oil filling after filtration as per PGCIL standards and bushing installation on the ICT, excluding cooler bank installation, at 400kV PGCIL Barwala, Panchkula substation on a suitable hydraulic trailer.
2. The Contractor shall be responsible for selection and verification of the route for transportation of 500MVA Autotransformer (ICT) along with all accessories and insulating oil from 400 kv substation PSTCL, Nakodar to 400kV PGCIL Barwala, Panchkula substation. The Contractor shall carry out the route survey and finalize the detail methodology of transportation of Autotransformer and based on the route survey; any modification/extension/ improvement to existing roads, bridges, culverts etc., to shortlist the suitability of hydraulic trailer and same shall be in the scope of the bidder.
3. It is the responsibility of the contractor to arrange all clearances from appropriate authorities and shall co-ordinate at each stage for transportation of 500MVA Autotransformer (ICT) along with all accessories and insulating oil from 400kV substation PSTCL, Nakodar to 400kV PGCIL Barwala, Panchkula substation.
4. Autotransformer shall be transported in dry air/nitrogen gas filled condition with positive pressure. During the transit, necessary arrangement shall be made by the Contractor for maintaining N₂ gas/ dry air pressure at a level at which Autotransformer shall be dispatched from the 400 kv substation PSTCL, Nakodar and same shall be maintained throughout the transit period and till unloading at 400kV PGCIL Barwala, Panchkula substation .
5. Autotransformer during transportation shall also be fitted with Electronic impact recorders (In the scope of Contractor) during transportation to measure the magnitude and duration of the impact in all three directions. The mounting location of impact recorder shall be finalized during dispatch. It is the responsibility of Contractor for smooth transportation of the Autotransformer without experiencing high magnitude/ duration shock. The acceptance criteria and limits of impact, which can be withstood by the equipment during transportation and handling in all three directions, shall not exceed "3g" for 50mSec (20Hz). In case the Autotransformer experienced shock exceeding this limit shall be investigated jointly by PSTCL/ TOSHIBA and Contractor for further course of action for acceptance.
6. Unloading of Autotransformer from hydraulic trailer upto plinth and its accessories from trucks/trailers to designated location at 400 kv PGCIL Barwala, Panchkula substation. All required activities for placing of Autotransformer along with accessories including oil filling after filtration as per PGCIL standards and bushing installation on the ICT, excluding cooler bank installation, at specified location shall be in the scope of Contractor. Any materials/ T&P/ consumables required for transportation/unloading, dragging and placing as per scope is in the scope of Contractor.



7. All materials (including 500 MVA Autotransformer) shall be covered with insurance from a reputed insurance provider for the entire period starting from dispatch from the 400 kv substation PSTCL, Nakodar and transit to unloading on plinth at 400 kv PGCIL Barwala, Panchkula substation against any loss, damage, accident, pilferage, theft, fire etc. In case of any loss, damage, accident, pilferage, theft, fire etc. It is the responsibility of the Contractor to take insurance from a reputed Insurance provider and shall co-ordinate with the insurance provider, in case of requirement of claim against damage.
8. The Contractor shall be fully responsible and liable for payment of all demurrages of any kind whatsoever or other extra charges levied by the authorities, by state govt., municipal authority and any other agency for delay in clearance handling and forwarding of materials.
9. All the toll taxes, entry tax and any other Levies shall be paid by the Contractor.
10. Contractor shall arrange necessary surveys and lodging/settling of insurance claims for consignments landed in damaged conditions. Necessary surveys for the damaged materials /packing before repacking and dispatch.
11. Proper verification, checking and segregation of materials/packages, transformer oil in oil tanker before taking delivery from the 400 kv substation PSTCL, Nakodar at the time of dispatch shall be made by the Contractor.
12. Contractor shall be fully responsible for the safe handling of materials and shall indemnify and absolve owner of any consequences thereof by way of damage/ loss of cargo, accidents, damages to vehicles and handling equipment either owned or hired by the Contractor, public property as well as injuries or otherwise to the personnel under the Contractor's command or the public.
13. Contractor shall properly maintain all registers and records in the prescribed manner as required by the regulations of the various authorities concerned and shall indemnify the consignee and the owner from any consequences due to any inaccurate and faulty documentation on Contractor part.
14. The other related works which are not specifically mentioned above and required for completion of the work shall be in the scope of Contractor.
15. Contractor shall take proper supervision of entire operation till final dispatch/receipt of materials.
16. The drawing of heaviest consignment is enclosed as drawing.
17. The detailed packing list is enclosed as List of ICT Accessories. detail.
18. Oil drums/Oil Tanks, dry air generator or any other equipment required for the completion of the work, is to be arranged by the Contractor. During dismantling Gaskets/Seals shall be in the scope of contractor.
19. The bid should be sent on email id **nakodar500mva@gmail.com** only, in no case the bid be sent on any other email-id and same will be treated as invalid if sent on any else email id.



INVITATION FOR BIDS (IFB)

Dismantlement and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) Toshiba Make and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula substation.

Tender Enquiry No. 05/2024-25

1.0 PSTCL having its Registered Office at PSEB Head office, The Mall, Patiala-147001 has decided to execute the work of **Dismantlement and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) Toshiba Make and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula substation.**

1.1 The procurement activities in respect of the aforesaid project shall be carried out by the contractor.

2.0 PSTCL, therefore, invites bids from eligible bidders for the following package for the project on Domestic Competitive Bidding Procedure:

Tender Enquiry No.	Work Description	Cost of Bid Document (₹)	Bid Security/Earnest Money Deposit (EMD) (₹)
05/2024-25	Supply of services for dismantling and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) Toshiba Make and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar PTF Plinth to 400kv PGCIL Barwala, Panchkula substation PTF Plinth (inter-alia including dismantlement of Autotransformer along with accessories at 400kv Substation PSTCL Nakodar, draining of transformer oil in oil tanker (to be arranged by the contractor) filling of dry air/nitrogen, proper packing of accessories, loading and transportation of Autotransformer (ICT) along with all its accessories and Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula, unloading and erection of the ICT and its accessories including oil filling after filtration as per PGCIL standards and bushing installation on the ICT, excluding cooler bank installation, at 400kV PGCIL Barwala, Panchkula substation on a suitable hydraulic trailer.	NIL	2% of Tender Cost or minimum 5000/- whichever is more

This invitation for bids are invited through Email only at e-mail address nakodar500mva@gmail.com. In no case the bid be sent on any other email-id and same will



be treated as invalid if sent on any else email id. The eligibility of the bidders shall be determined as per the provisions of Bidding Documents.

Last Date for Bid Submission:- 27.01.2025 Time 15:00 Hrs

The Scope of work briefly covers supply of services for dismantling and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) Toshiba Make and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar PTF Plinth to 400kv PGCIL Barwala, Panchkula substation PTF Plinth (inter-alia including dismantlement of Autotransformer along with accessories at 400kv Substation PSTCL Nakodar, draining of transformer oil in oil tanker (to be arranged by the contractor) filling of dry air/nitrogen, proper packing of accessories, loading and transportation of Autotransformer (ICT) along with all its accessories and Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula, unloading and erection of the ICT and its accessories including oil filling after filtration as per PGCIL standards and bushing installation on the ICT, excluding cooler bank installation, at 400kV PGCIL Barwala, Panchkula substation on a suitable hydraulic trailer.

The above scope of work is indicative and the detailed scope of work is given in the Annexure-I of the Bidding Documents.

All necessary tools and tackles, plants and equipment shall be arranged and transported to works-site associated with the said work activity by the Contractor at his cost and expense. Nothing shall be arranged and provided by PSTCL whatsoever.

Materials and components not specifically stated in the various documents forming part of the contract but which are necessary for completion of works shall be deemed to be included in the scope. All such materials and components shall be arranged and transported by the contractor at his cost and expense.

It is the responsibility of the Contractor to apprise himself fully about the location, local facilities available in the vicinity, sources of materials etc. No claim whatsoever shall be entertained by PSTCL at any stage for lack of information or facilities, services or sources of material etc. not available in close vicinity.

2.1 Completion Schedule: TIME SHALL BE THE ESSENCE OF THE CONTRACT. The works shall be completed in all respects within 30 days reckoned from the date of issue of work order.

3.0 The proposed Schedule of tender activity for the subject package is as given below:

Sr No.	Activity	Date	Time
1	Bid Submission deadline(Through Email Only)	27/01/2025	Upto 15:00 Hrs
2	Submission deadline for bid along with the requisite tender fee (Online Payment/DD/Cheque) Details for Online payment:- PSTCL Account No.: 65111588957 IFSC Code: SBIN0011968 Branch Lambra, SBI Bank	27/01/2025	Upto 15:00 Hrs
3	Opening of tender	27/01/2025	At 16:00 Hrs

Note:- It is to mention here that any clarifications to bidder regarding Tendering and other issues shall not be entertained beyond Last Date for Seeking Clarifications mentioned above. Bidder's failure to submit the fees, shall lead to outright rejection of the Bid.

Contact Details:

Mobile No.: 96461-02978

Email Id: nakodar500mva@gmail.com

3.1 Bidder may obtain further information regarding this tender from the office of Sr. Xen, 400kv Substation, PSTCL, Nakodar. The bid should be sent on email id nakodar500mva@gmail.com only, in no case the bid be sent on any other email id and same will be treated as invalid if sent on any other email-id.

3.2 The Bidder is advised to visit and examine the site where the facilities are to be installed

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3.2 The Bidder is advised to visit and examine the site where the facilities are to be installed and its surroundings and obtain for itself on its own responsibility and cost all information that may be necessary for preparing the bid and entering into a contract. The costs of visiting the site shall be at the Bidder's own expense.

4.0 The Bidding Documents are meant for the exclusive purpose of bidding against this specification and shall not be transferred to any other party or reproduced or used otherwise for any purpose other than for which they are specifically issued.

5.0 PSTCL reserves the right to cancel/withdraw this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

6.0 Payment will be made after 100% completion of the work.

7.0 Liquidated damage shall be at the rate of 0.5% of the unexecuted work per week for the delay in work subject to a maximum of 10% of the total value of work as per work.

8.0 The Bidder is expected to examine all instructions, forms, terms, specifications and other information in the Bidding Documents. Failure to furnish all information required by the Bidding Documents or submission of a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in rejection of its bid.

9.0 Employer may, at its discretion, extend the deadline for the submission of bids, in which case, the Employer will notify through e-mail where all bidders may see the extended deadline.

10.0 Attachments: -

- 1. Scope of work (Annexure-1)**
- 2. List of ICT Accessories.**
- 3. Drawing**
- 4. Performa for price bid**



Performa for Price Bid

Tender Enquiry No.	Work Description	UNIT	Total Price including freight and insurance, all taxes, duties, other expenses etc for execution of complete work. However firm/contractor will provide breakup for the same
05/2024-25	Supply of services for dismantling and transportation of 500MVA 400/220/33kV 3-phase Autotransformer (ICT) Toshiba Make and allied accessories Autotransformer oil from 400kv Substation PSTCL Nakodar PTF Plinth to 400kv PGCIL Barwala, Panchkula substation PTF Plinth (inter-alia including dismantlement of Autotransformer along with accessories at 400kv Substation PSTCL Nakodar, draining of transformer oil in oil tanker (to be arranged by the contractor) filling of dry air/nitrogen, proper packing of accessories, loading and transportation of Autotransformer (ICT) along with all its accessories and Autotransformer oil from 400kv Substation PSTCL Nakodar to 400kv PGCIL Barwala, Panchkula, unloading and erection of the ICT and its accessories including oil filling after filtration as per PGCIL standards and bushing installation on the ICT, excluding cooler bank installation, at 400kv PGCIL Barwala, Panchkula substation on a suitable hydraulic trailer.	Lumpsum	

