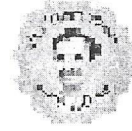




ISO9001:2000

O/O THE SR. MANAGER (E/M), ST&AUX
Assam Gas Based Power Project
NORTH EASTERN ELECTRIC POWER
CORPORATION LTD.
(A GOVT OF INDIA ENTERPRISE)
Bokuloni Chariali
Dibrugarh, Assam, PIN 786191



SECTION-I

DETAIL NOTICE INVITATION E TENDER

Detail Notice Inviting Tender No. : NEEPCO/AGBP/ST&Aux/2019-20/ 12

Dated: 03.03.2020

Undersigned, on behalf of CGM & HOP, AGBP, NEEPCO Ltd. Invites ON LINE Sealed bid (Single Stage - Two bid system) with 180 (one hundred eighty) days validity from experienced qualified bidders for "Cleaning of 3 (three) numbers of Surface Condenser Tubes of 3x30 MW steam turbine by chemical circulation and high pressure water jetting at Assam Gas Based Power Plant, P.O. : Bokuloni Chariali, District : Dibrugarh , Assam , PIN 786191".

Name of the work: "Cleaning of 3 (three) numbers of Surface Condenser Tubes of 3x30 MW steam turbine by chemical circulation and high pressure water jetting {jetting shall have to be carried out in all 04 (four) isolated chambers of the condenser at the same time round the clock to squeeze jetting time } at Assam Gas Based Power Plant, Bokuloni village, Dist. Dibrugarh, Assam ".

A. Broad Scope of Work:

- 1) Arrangement of adequate branded proven chemicals such as acid, corrosion inhibitor, silica remover for soften hard deposited scale , neutralizer, passivation as required for successful completion of chemical soaking and chemical circulation for 03 nos of surface condenser of 3x30 MW steam turbines of AGBP NEEPCO Ltd.
- 2) Opening and closing of manhole doors to get access to water chamber.
- 3) Methodology of condenser cleaning:
 - a) Pre hydro jetting to remove all loose debris/scales and make through all condenser tubes to have passage for chemical circulation.
 - b) Chemical soaking.
 - c) Chemical circulation.
 - d) Final hydro jetting to remove all loose scale.
 - e) Neutralization.
- 4) This contract involves pre hydro jetting and final hydro jetting in which contractor shall use high pressure hydro jetting equipment of either electrical or engine driven whose discharge pressure shall not be less than 650 bar with discharge capacity not less than 70 liters/minutes. The contractor shall use adequate number of flexible lances along with various nozzles such as forward, back ward, radial or combination for removal of hard scales as fit suitable.
- 5) The contractor shall have to engage minimum 02 numbers of hydro jetting machine each should be equipped with minimum 02 numbers of launches so that hydro jetting could be carried out in all 04 (four) isolated chambers of the condenser at the same time round the clock as per predefined pressure and discharge flow i.e pressure shall not be less than 650 bar with minimum flow of 70 lpm per launches to squeeze jetting time to the extent possible.
- 6) Leak test of condenser. In case of detection of tube leakages, plugging of the said tube shall be under the scope of this contract.
- 7) Hydro jetting of condenser tubes shall be carried out through man hole only.
- 8) Arrangement of chemical tank, isolation valve, chemical circulation pump and associated piping including installation for chemical circulation shall be under the scope of this contract.
- 9) Contractor shall ensure adequate flow of chemical circulation with selection of suitable chemical circulation pump whose discharge piping shall not be less than 100 NB and discharge pressure shall not exceeding 3 kg/cm² to avoid undue pressurization of condenser.
- 10) The bidder /contractor shall always keep in his mind that the nature of scale that he or she is going to clean is very hard in nature and shall have to prepare themselves accordingly.
- 11) The contractor shall have to be equipped adequately to open a block tube which could not be opened by hydro jetting alone.

Detail scope of work is mentioned at Section-V under the head of "Technical Terms and Condition" of this tender document. Layout drawing of condenser is attached herewith for assessment of required piping arrangement.

B. Prequalification condition for this contract:

- 1) The bidder must have executed work of condenser cleaning in any reputed thermal power plant having unit size not less 30 MW by chemical circulation and high pressure hydro jetting during past 07 years counted from the date of floating this e tender either having the following work order value.
 - The contractor executed three works each execution value not less than INR 10 lacs.
 - The contractor executed two similar works each execution value not less than INR 15 lacs.
 - The contractor executed single work not less than INR 20 lacs.
2. The average annual turnover of the bidder during last three financial years ending on 31st March 2020 should not be less than 40 lacs and accordingly the bidder shall have to submit audited balance sheet or financial statement duly endorsed by practicing CA.

C. Important Information and dates:

Important event	Date	Time
Start date and time for down loading of bid document :	04.03.2020	16:00 Hrs.
Last date and time of downloading of bid document :	03.04.2020	16:00 Hrs.
Last date and time for receipt of on line bids :	03.04.2020	16:00 Hrs.
Date and time of opening of techno commercial bid :	06.04.2020	15:30 Hrs.

D. Bid fee (online) : INR 1000.00 (non-refundable).

E. EMD (online) : INR 40,000.00

F. In general, notwithstanding anything stated above, the NEEPCO reserve the right to undertake a physical assessment of capacity and capabilities including financial capacity/capability of the bidder/his/her associate(s) to perform the contract. Negative assessment in capacity and capability may result into rejection of the bid.

G. Issuance/downloading of bidding documents to any bidder shall not construe that bidder is considered as qualified. NEEPCO reserve the right to reject any or all bids or cancel/withdraw the NIT/bid for the subject package without assigning any reason whatsoever and in such cases no bidder/intending bidder shall have any claim arising out of such action.

H. Exemption to SSI/MSME : NSIC / SSI / MSME UNITS ARE EXEMPTED FROM SUBMISSION OF BID FEE AND EMD AS PER GOVT NORMS. However, bidder claiming for exemption of Bid fee and EMD, shall have to upload duly signed undertaking as per attached Annexure along with valid supporting document of registration under NSIC / SSI / MSME (Udyog Adhaar).

For any clarification queries, interested bidder may contact the undersigned.

(Anupam S Baruah)
DGM. (E/M) , T&Aux, AGBP ,
NEEPCO Ltd., Bokuloni, Dibrugarh (Assam)