

Institute for Defence Studies and Analyses
No 1, Development Enclave
Rao Tula Ram Marg
New Delhi – 110 010

TENDER NOTICE

Subject :- Leakage Correction & Other allied works in HVAC Plant Model 30HXC 310 A of Carrier make (details at Annexure A)and Descaling of 2 Condensers & Evaporator Units installed at IDSA , New Delhi .

IDSA invites sealed bids from Bidders who are Competent in this field and can undertake works as specified in this tender document .

Interested parties/ firms may submit their bid in a sealed cover super subscribing "Tender for Leakage Correction & Other allied works in HVAC and Descaling of 2 Condensers & Evaporators units , On or before 1500 Hrs , 22rd December , 2015.

Tender document can either be obtained from IDSA or also be downloaded from the website www.idsa. **free of cost.**

IDSA reserve the right to accept or reject any tender or part thereof or the whole tender without assigning any reason thereof at any point of time during the tendering process.

**(Hemant Kumar)
Estate Manager**

Leakage Correction & Other allied works in HVAC Plant Model
30HXC 310 A of Carrier make and Descaling of 2 Condensers
& Evaporator Units .

TENDER DOCUMENT

COST OF TENDER: - Free of Cost

Last date for submission of tender
up to 1500 Hrs - 22.12.2015

INSTITUTE FOR DEFENCE STUDIES AND ANALYSES,
NO.1, DEVELOPMENT ENCLAVE,
RAO TULA RAM MARG,
NEW DELHI - 110010

Institute for Defence Studies and Analyses

No. 1, Development Enclave, Rao Tula Ram Marg, New Delhi - 110 010

Notice inviting bid for Leakage Correction and Other allied works of HVAC Plant of Carrier make and descaling of 2 condensers of the Air Conditioning unit installed at IDSA, New Delhi.

Sealed item rates/bids as detailed below are invited for the under mentioned scope of work on behalf of Director General , IDSA , up to 1500 Hrs . on the date indicated below from the Competent contractors ,specialized firms having adequate past experience of the works of similar nature . Bids received after the prescribed time and date shall not be considered. The details of the Air Conditioning Plant installed at IDSA are given in Annexure –A.

2. Name of the work as well as details about tender document are given below;

- A) Leakage correction /Pressure Testing of One Circuit
- B) Descaling of 2 condensers/evaporating units (chillers) of AC plant .
- C) Replacement of filters, Oil. etc
- D) Charging of Refrigerant.
- E) Supply of SCPM card

(i) Cost of tender - **Free of cost**

(ii) Earnest Money Deposit = Rs. 10,000/- (Rupees Ten Thousand only) in the form of bank draft/pay order in favor of IDSA, payable at New Delhi.

(iii) Last date of receipt of tender = On or before 1500 Hrs , 22.12.2015.

(iv) Validity Period of the tender: 3 Months from the submission of tender.

(v) Security Deposit : 10 % of the Quoted Amount (EMD adjustable)

3. The earnest money as indicated above is to be deposited by the tenderers along with the bid. No interest will be paid on the EMD.

4. The firms have to submit tender documents Signed along with earnest money and attested copies of Registration, Sales Tax Certificate, PAN No , partnership deed, experience certificate and EMD as prescribed in the tender document ..

5. IDSA reserve the right to accept or reject any tender or part thereof or all the tenders without assigning any reasons thereof.

Tender can also be downloaded from our website www.idsa.in

(Hemant Kumar)
Estate Manager

INSTITUTE FOR DEFENCE STUDIES AND ANALYSES
No. 1, Development Enclave , Rao Tula Ram Marg,
NEW DELHI- 110 010

Notice Inviting Tender

1. Scope of work: Name of the work as well as details about tender document are given below;
 - A) Leakage Correction /Pressure Testing of one circuit of HVAC Plant of Carrier Make.
 - B) Descaling of 2 condensers/chillers of AC plant installed at IDSA.
 - C) Replacement of filters, Oil. etc
 - D) Charging of Refrigerant.
 - E) Supply of SCPM card .
2. (Wax) sealed Tenders on behalf of IDSA are invited from Contractors/firms who have successfully carried out at least two similar works as mentioned in the tender document.
3. Tenders should be in the specified form which may be obtained from the IDSA during office hours up to 1500 hrs. 22 December 2015. Tender document can also be downloaded from the website of IDSA.
4. Tenders should be submitted in 'Sealed Covers' super-scribed with the name of the work. These will be received on or before 1500 h, 22.12.2015. Tenders should be dropped in the tender box kept at the reception counter of IDSA, before the closing date and time as indicated. (Rates are to be quoted separately for each work).
5. The earnest money amounting to Rs. 10,000/- (Rupees Ten Thousand only) by demand draft or pay order of a schedule bank , in favor of IDSA, payable at New Delhi , should accompany the tender document . Tenders received without earnest money shall be deemed invalid and will be out rightly rejected.
6. The IDSA reserves the right to accept or reject any tender or part thereof or all tenders without assigning any reasons thereof.
7. Canvassing in connection with the tenders is prohibited and the tender submitted by the contractor who resorts to canvassing is liable for rejection.
8. The tenderer shall quote rates both in figures and words. He shall also workout the amount for each item of work and writes in both figures and words (In Annexure B and C). On check, if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the higher rate of the two shall be considered.

9. The tenderer should visit and thoroughly inspect the AC Plant and its location at site, cooling towers and related machines and accessories at IDSA, New Delhi.
9. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of the site, nature and extent of ground, working conditions of site and locality including stacking of materials, installations of tools and plants (T&P) etc. conditions affecting accommodations and movement of labor etc. required for the satisfactory execution of the work contract. No claim what so ever on such account shall be entertained by the IDSA in any circumstances.
10. IDSA reserves the right to forfeit the earnest money, if the contractor fails to commence the work within 7 days from the date of award letter.
12. While quoting rates, the tenderer should not mention any conditions or make any changes, additions, alterations and modifications in the printed form of tender. Conditional tender shall not be accepted

13. Performance Security:

- (i) The Contractor shall furnish a performance security (in form of bank guarantee) to IDSA, New Delhi of an amount equaling 10% of the contract price valid up to 15 months from the date for award of work. The 80% payment will be released subject to the production of bills after completion of the work. The contractor has to give the functional warranty of the unit repaired for minimum period of 12 months from the date of completion of work. The balance 20 % will be released after successfully running of the plant for one Month during the summer season.
- (ii) Failure of the successful bidder to comply with the above requirements shall constitute sufficient grounds for the annulment of the award and IDSA may award to the next evaluated bidder or call for new bids.
- (iii) The proceeds of the performance security shall be payable to IDSA, New Delhi as compensation resulting from the Vendor's failures to complete its obligation under the contract.
- (iv) The earnest money can be adjusted against the performance security deposit, to be deposited by the successful tenderer.
- (v) The performance security deposit would be refunded after the successful completion of warranty period of 12 months after the Completion date without interest.
- (vi) Penalty Clause: The work should be completed within 45 days from the date of award failing to which a penalty of Rs 1000/- (Rupees one thousand) per day will be imposed which will be deducted from the contractor's bill. However, decision of the Estate Manager will be final & Binding

14. Eligibility:

1. The firm should be registered under any Govt. department or should have executed similar type of work in Govt. Department/Autonomous bodies. Work order/Completion certificate should be attached to prove the credentials, IDSA reserve the right to check ly

credentials of the firm physically , where contractor has completed above type of work.

1. Attach a copy of Service tax, Pan, VAT No. and other relevant documents. Service Tax Registration is a mandatory requirement to participate in the bid.
2. The firm shall have proper workshop facility in Delhi-NCR; the same may be cross checked by IDSA before finalization of the contract.

15.. Acceptance Certificate

The contractor will test all the systems offered to him by IDSA for repair & descaling and give his acceptance to provide services under warranty based on their proper functioning.

16.Supervision & certificate of satisfaction of work done

Designated authority of IDSA will supervise the work provided under the contract.

- i) If at any stage, while executing the contract , is not found satisfactory, the Estate Manager reserves the right to terminate the contract with IMMEDIATE effect without assigning any reasons.
- ii) In case contractor fails to execute the work as per required standards for AC unit and also fail to maintain the adequate and required temperature during the summer seasons, security deposit shall be forfeited .

17.. Payment Conditions

(a) The 80% payment will be released subject to the production of bills. The contractor has to give the functional warranty of the unit repaired for minimum period of 12 months from the date of completion of work. The balance 20 % will be released after successfully running of the plant for one Month during the summer season. Security deposit will be released after completion of warranty period (12 months from the date of completion)

- b) Payment in respect of repairs of items shall be made after receipt satisfaction Certificate from the concerned department of the IDSA after checking the operation.

18. Period of completion : The work should be completed within 45 days from the date of placing the work order, any delay with part of contractor would attract a penalty of Rs 1000/- per day. No excuse will be entertained from the contractor in this regard .

19..Scope of work :

SL	DESCRIPTION	QTY
1	Dismantling the 75 TR compressor from the machine, Replacement of O ring , Pressure testing with Nitrogen	01 Job
2	Replacement of following parts in the compressor :-	
	a) Drier core filters-part No 2000797 carrier	02 Nos.
	b) Internal Filters-part No 2001972 & 06NA660 028 carrier	02 Nos.
	c) External Filters-part No 2000144 carrier	01 No.
	d) Compressor oil for Screw compressor-Synthetic Oil screw SW220 part No 2021438 carrier	02 Pales (37.8 Ltrs)
	e) SCPM card with programming-Screw compressor protection module part No 2006399 32 Gb500402ee carrier	01 No.
4	Reassembling the compressor and vacumisation of the plant, Nitrogen pressure testing Charging of Refrigerant and replacement of all filters etc	01 Job
5	Supply of R-134 Gas for the plant (TetraFluro Ethane) part No 2019857 carrier	124 Kgs.

	Descaling of Condensers part (B)		
1	Descaling of 2 Condensers & 2 chillers to obtain suitable discharge/head pressure , the work involves cost of material& labor	1	Job

The contractor is advised to visit and inspect the unit installed at IDSA to assess the requirement of repair of the AC Plant.

20..Descaling operation for AC Plant

- a) The contractor shall employ only competent, skilled, qualified and trained staff with adequate experience (3 yrs or more) for descaling .
- b) The contractor will be strictly responsible to the true intent of the descaling Operation (using proper quality of antiscalent and the head pressure should not be higher than prescribed Carrier recommendation) of system in regard to workmanship and the diligent execution of the work.
- c) The contract must strictly ensure the proper quality of work by deploying suitable

technically qualified persons.

- d) The contractor shall give or provide all necessary constant and whole time superintendence during the execution of the work.
- e) No claim shall be entertained on account of increasing price of labor due to any cause whatsoever, if therein is any loss to the Institute with regard to property or material due to negligence of the contractor or his workmen, the same will be recovered from him.
- f) In case of any accident to his worker, he will be solely responsible for the loss and medical cost and other liability.
- k) The contractor will be responsible for the safe storage of the material. Any pilferage by him or his worker will be recovered from him and will also be debarred carrying out any work in the Authority in future.

21. Terms of repair of Air Conditioning Unit

- (i) The firm shall first repair the compressor of HVAC and thereafter Descaling work will be permitted..
- (ii) All the components required for replacement will be of OEM make (Branded) or of equivalent quality. Contractor will not be allowed to use any sub-standard parts and components. The same are to be shown to the concerned officer of IDSA before replacement.

22.. The bidders are required to give details about their maintenance infrastructure facilities including address of local servicing workshop address in the bid document.

23..The statement of technical service offered by the bidder are to be given on separate page .

24..Special Terms & Condition

1. The contractor shall take up the repairs of compressor of AC Plant in all respects from the IDSA and will be responsible for its safety/ working & maintenance for a year.
2. The contractor shall be responsible for any damage caused to the chiller plants, compressor, boiler, cooling towers, pump, motors electrical/control panels and contractors etc. wring etc. due to mishandling or due to negligence during the work .
3. The contractor has to arrange all Tools & Parts required for the successful completion of the work.
4. The Contractor will not use any acid for descaling purpose which can harm the tubes of Condenser/chiller.
5. The work shall be carried out in accordance with specifications required to be maintained in Carrier AC Plant and to the entire satisfaction of the IDSA.
6. In case of any dispute, the decision of the IDSA will be final . Decision of the Director General IDSA will be final and binding

Annexure – A

Details of the air conditioning plant		
1.	Make	Carrier
2.	Machine model	30 HXC 310A
3.	Type of cooling	Water Cooled
4.	Air handling units	36 Nos.
5.	Boiler	02 Nos.
6.	Pump & motors	12 Nos.
7.	Cooling towers	02 Nos.
8.	Electrical panel	As available
9.	Control panels	As available

Annexure-B

Financial Bid

Name of work: Repair/ Rewinding /Overhauling of One compressor of HVAC Model 30HXC 310 A of Carrier make and Descaling Operation of 2 Condensers & Evaporator Units installed at IDSA, New Delhi

S. NO.	Description of item	Amount in words in INR	Amount in figures In INR
1.	Leakage correction & other allied works in HVAC with detailed description of repairs/ renovation/replacement including as per Part A (under the scope of work)		
2.	Descaling Operation of Two chillers and 2Condensers (2+2)-Part B (under scope of work)		
	Total		
Total Amount Rs. In Figures & words			

Signature of bidder

Address and seal of firm if any

Place & Date:

Company seal:

Note:

1. Prices to be quoted in Indian Rupees only in both figures & words.
2. Any cutting etc. shall be duly circled & signed by the bidder failing which Financial bid shall be rejected.
3. Vendor should quote price all inclusive, including all taxes and duties etc.
4. Payment will be released after deducting TDS and penalty, if any.

Annexure-C-

Details of financial Bid

Part of Financial Bid				
Itemwise Rate List (Part A)				
SrNo	Description	Qty	Rate(Rs))	Amount(Rs)s
1	Dismantling the 75 TR compressor from the machine Replacement of O ring , Compressor refitting , Pressure testing with Nitrogen	1 Job		
2	Drier core filters-part No 2000797 carrier make	2 Nos.		
3	Internal filters part No 2001972 & 06 NA660 028 carrier	2 Nos.		
4	External filter-part No 2000144 carrier make	1 No.		
5	Compressor oil for screw Compressor-Synthetic oil screw SW220 part No 2021438 carrier make	37.8 Litres		
6	SCPM card(programmed)-screw compressor protection module part No 2006399 32 GB 500402ee	1 Nos.		
7	Reassembling the compressor after repairs and vaccumisation of the plant, Nitrogen pressure testing, charging of refrigerant and replacement of all filters, etc. Complete in all respect.	1 Job		
8	Supply of R-134 a Gas for the plant (tetraFluro Ethane) part No 2019857 carrier	124 Kg		
	Total Amount for Spares (Material)-Item No 2,3,4,5,6,8			
	Vat @ 12.5%			
	Total value of Labour Items-1&7			
	Service Tax on Item No1&7 @ 14.5%			
	Grand Total of Part A			
	Part B			
1	Descaling Operation of 2 condensers and Two Evaporators for both HVAC plants (material+labor)	1 Job		
2	Service tax on Part B			
3	Total Amount of Part B			