



MANOHAR PARRIKAR INSTITUTE FOR
DEFENCE STUDIES AND ANALYSES
मनोहर पर्रिकर रक्षा अध्ययन एवं विश्लेषण संस्थान

No 1 Development Enclave, Rao Tula Ram Marg,
Delhi Cantt, New Delhi – 110 010

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F.No. IDSA/EM/HVAC/2020

Date: 10.07.2020

**E-TENDER NOTICE FOR PUMP OVERHAULING & DESCALING
OPERATIONS OF 3 CONDENSERS & EVAPORATOR UNITS.**
(IN SINGLE BID SYSTEM)

E- Tenders in single bid system through 'E' procurement solution are invited from reputed and experienced agencies having experience in Pump Overhauling & Descaling operations of 3 Condensers & Evaporator Units in reputed organizations including Govt. & Public Sector for at least 3 years.

Detailed Tender Documents are available on line from the date of tender publication at <https://www.mstcecommerce.com> , www.idsa.in and <https://eprocure.gov.in/epublish>. The interested bidders are advised to register themselves with e-procurement Portal at - <https://www.mstcecommerce.com> to participate in the e-Tender. The bidders should download and then upload duly signed tender form and their bids along with scanned copies of all the relevant certificates, documents etc. in support of their technical & price bids on the <https://www.mstcecommerce.com> , latest by 04-08-2020 upto 15:00 P.M. Hard copies of the relevant documents need not be submitted except for Demand Draft for Rs. **5000/- (Rupees Five thousand Only)** in favour of **"MP-IDSA"** payable at **New Delhi** as Earnest Money Deposit which shall be submitted in sealed cover and dropped/ (send by speed post) addressed to the **Assistant Director ,MP- Institute for Defence Studies and Analyses**, may be sent at the Institute's address mentioned above either by Registered Post AD / Speed Post / By hand delivery at Tender Box kept at the reception office, should reach on or before **1500 Hrs, 04th Aug 2020** duly mentioning on top right hand corner of the sealed envelope **"EMD for Pump Overhauling & Descaling operations of 3 Condensers & Evaporator Units"**.

All tenderers are requested to read the tender document carefully as the terms and conditions, including the procedures to fill the tender form online. All the tenders are to be submitted on the prescribed forms, as enclosed, duly signed, stamped and dated on each page of tender document as their unconditional and explicit concurrence to the terms and conditions laid down by the Institute.

The financial bids for the firms would be opened in presence of the bidders. Hence, Bidders or their authorized representative, not more than one person, may be present at the time of opening of the tender, if they desire.

MP-IDSA reserves the right to accept or reject any or all quotations including the lowest bidder without assigning any reason at its sole discretion and the decision of the MP-IDSA will be final and binding to all concerned.

Critical Dates of Tender:

(i) Publish Date & Time	14/07/2020, 10:00 hrs
(ii) Sale/ Document Download Start Date & Time	14/07/2020, 10:30 hrs
(iii) Bid Submission Start Date & Time	14/07/2020, 11:00 hrs
(iv) Bid Submission End Date & Time	04/08/2018, 15:00 hrs
(v) Offline submission of EMD	04/08/2018, 14:00 hrs
(vi) Bid Opening Date & Time	04/08/2018, 15:30 hrs

Note : Contractor may inspect the Campus & assess its requirement before bidding the tender.

Corrigendum / addendum / modification to this tender, if any, will be notified through <https://www.mstcecommerce.com>, www.idsa.in and <https://eprocure.gov.in/epublish> only.

AVL _____

Gp Capt. AV Lele
Assistant Director (Officiating)

Process of E-tender:

A) Registration: The process involves bidder's registration with MSTC e-procurement portal which is free of cost. Only after registration, the bidder(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Bidder should possess Class III signing type digital certificate. Bidders are to make their own arrangement for bidding from a P.C. connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

At <https://www.mstcecommerce.com/eprochome/mstc>

- 1). Bidders are required to register themselves online with <https://www.mstcecommerce.com>
- 2). Bidders will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form. In case of any clarification, please contact MSTC, (before the scheduled time of the e-tender).

MSTC Help Desk: 03322901004, 01123212357, 01123215163, 01123217850.

The Techno-commercial Bid and the Price Bid shall have to be submitted online at <https://www.mstcecommerce.com/eprochome/mstc> tenders will be opened electronically on specified date and time as given in the Tender. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity. Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender by MPIDSA. Hence, the bidders are required to ensure that their official email I.D. provided is valid and updated at the time of registration of bidder with MSTC (i.e. Agency). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

E-tender cannot be accessed after the due date and time mentioned in NIT.

Bidding in e-tender:-

- a) The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- b) The bidder(s) can submit their Technical Bid and Commercial Bid through internet in MSTC website <https://www.mstcecommerce.com> → e-procurement
- c) The bidder should allow running JAVA application. This exercise has to be done Immediately after opening of Bid floor. Then they have to fill up Common erms/Commercial specification and save the same. After that clicking on the Technical bid. If this application is not run then the bidder will not be able to save/submit his Technical bid. After filling the Technical Bid, bidder should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to filled up and then bidder should click on "save" to record their Commercial bid. Then once both the Technical bid & Commercial bid has been saved, the bidder can click on the "Final submission" button to register their bid. Bidders are instructed to use **Attach Doc button** to upload documents. Multiple documents can be uploaded. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.

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

Subject :- Pump Overhauling & Descaling operations of 3 Condensers & Evaporator Units .

MPIDSA invites online 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 Pumps overhauling alongwith Descaling of 3 Condensers & Evaporator units , On or before 1500 Hrs , 4th August , 2020.

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

MPIDSA 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.


Gp Capt. AV Lele
Assistant Director (Officiating)

**Manohar Parrikar Institute for Defence Studies and Analyses
No. 1, Development Enclave, Rao Tula Ram Marg, New Delhi - 110 010**

**Notice inviting online bid for :- Pump Overhauling & Descaling operations of
3 Condensers & Evaporator Units .**

Online bids as under mentioned in the scope of work on behalf of Director General , MP-IDSA , up to 1500 Hrs , 4th August 2020 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 MP-IDSA are given in Annexure –A.

2. Scope of the work giving details about tender :-

- A) Pumps Overhauling of pumps as per details in annexure-B
(B) Descaling of 3 condensers and 3evaporating units (chillers) of AC plant .

- (i) Cost of tender - **Free of cost**
- (ii) Earnest Money Deposit = Rs. 5000/- (Rupees Five thousand only) in the form of bank draft/pay order in favor of MPIDSA, payable at New Delhi.
- (iii) Last date of receipt of tender = On or before 1500 Hrs , 04.08.2020.
- (iv) Validity Period of the tender: 3 Months from the last date for 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 and security deposit .

4. The firms have to upload scanned tender documents Signed along with earnest money and self-attested copies of Registration, GST Registration , Sales Tax Certificate, PAN No , partnership deed, if any , experience certificate and EMD as prescribed .

5. MP-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.MPIDSA.in



Gp Capt. AV Lele
Assistant Director (Officiating)

MANOHAR PARRIKAR 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 :
 - A) Dismantling of pumps ,
 - B) Replacement bearings, shaft , seal wherever required as per details
 - B) Descaling of 3 condensers/chillers of AC plant .
2. sealed Tenders on behalf of MP-MPIDSA are invited from Contractors/firms who have successfully carried out at least one similar work as mentioned in the tender document with proof there of
3. Tenders should be in the specified form which may be obtained from the MPIDSA during office hours up to 1500 hrs. 04 Aug 2020. Tender document can also be downloaded from the website of MPIDSA.
4. Tenders should be submitted through online mode only and these will be received on or before 1500 h, 04.08.2020. However EMD draft shall be submitted alongwith other supporting document . Documents Tenders should be dropped in the tender box kept at the reception counter, by hand or by speed post before the closing date and time as indicated.
5. The earnest money amounting to Rs. 5000/- (Rupees Five Thousand only) by demand draft or pay order of a schedule bank , in favor of MP-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 MP-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 . 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 MP-IDSA, New Delhi.
10. 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 whatsoever on such account shall be entertained in any circumstances.

11. MP-IDSA reserves the right to forfeit the earnest money, if the contractor fails to commence the work within 7 working 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) or DD to MP-IDSA, New Delhi of an amount equaling 10% of the contract amount valid up to 12 months from the date of Completion 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 guarantee 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 MP-IDSA may award the work to the next evaluated bidder or call for new bids.
- (iii) The earnest money can be adjusted against the performance security deposit, to be deposited by the successful tenderer.
- (iv) The performance security deposit would be refunded after the successful completion of warranty period of 12 months after the Completion date without interest.
- (v) 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, MP-IDSA reserve the right to check credentials of the firm physically, where contractor has completed above type of work.
2. Attach a copy of self attested GST No , PAN No , VAT No. and other relevant documents. GST Registration is a mandatory requirement to participate in the bid.
3. The firm shall have proper workshop facility in Delhi-NCR; the same may be cross checked by MP-IDSA before finalization of the contract.
4. Firm should have at least 3 years of Experience in same field.

5. Firm should have completed at least one work of Compressor Overhauling/pump overhauling . Completion certificate in this regard must be attached in support of Claim .

15. Acceptance Certificate: The contractor will test all the systems offered to him by MP-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 MP-MPIDSA 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: The 80% payment will be released subject to the production of bills after completion of 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. Security deposit will be released after completion of warranty period (12 months from the date of completion) without interest

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
Part-A-Pump Overhauling		
1	Dismantling of pump , Necessary repairs ,Replacement of following items , Refitting , testing and Commissioning	01 Job
2	Supply & Replacement of following parts in the plant :-	
	a) Mechanical seal b) Shaft sleeve CI c) Shaft sleeve –SS d) Seal plate e) Ball Bearing set f) Gland stud and packing	06 Nos.

SL	Descaling of Condensers part (B)	Qty.
1	Descaling of 3 Condensers & 3 chillers to obtain suitable discharge/head pressure, the work involves cost of material& labor, etc .	01 Job

The contractor is advised to visit and inspect the unit installed at MP-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 (as recommended by OEM) of antiscalent and the head pressure should not be higher than (approx. 800-850 psi) 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 as specified, 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/overhauling the pumps of HVAC plant and thereafter Descaling work will be permitted..
- (ii) All the components required for replacement will be of OEM make as specified in the scope of work (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 MP-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 MP-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 type of 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 MP-IDSA.
6. In case of any dispute, the decision of the MP-IDSA will be final. Decision of the Director General MP-IDSA will be final and binding

Annexure – A

Details of the air conditioning plant		
1.	Make	Carrier/Daikin
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

Part A-

Financial Bid:-

Pump Overhauling & Descaling operations of
3 Condensers & Evaporator Units

Overhauling of 06 Nos Pumps

(i) For Primary Pump –Model No 125/30 B-make Kirloskar :-

<u>Sr No</u>	<u>Description</u>	<u>Qty</u>	<u>Rate</u>	<u>Amount</u>
(a)	Mechanical seal-45mm	2 Nos		
(b)	Shaft sleeve CI	2 Nos		
(c)	Shaft sleeve SS	2 Nos		
(d)	Seal plate	2 Nos		
(e)	Ball bearing set	01 set		
(f)	Gland stud and packing	01 set		
(g)	Dismantling & fitting charges	01 Job		
(h)	Total amount for one pump			
(j)	Total amount for 02 Pumps			

(ii) For Secondary Pump –Model No 100/35 B-make Kirloskar

<u>Sr No</u>	<u>Description</u>	<u>Qty</u>	<u>Rate</u>	<u>Amount</u>
(a)	Mechanical seal-50mm	2 Nos		
(b)	Shaft sleeve CI	2 Nos		
(c)	Shaft sleeve SS	2 Nos		
(d)	Seal plate	2 Nos		
(e)	Ball bearing set	01 set		
(f)	Gland stud and packing	01 set		
(g)	Dismantling & fitting charges	01 Job		
(h)	Total amount for one pump			
(j)	Total amount for 02 Pumps			

(iii) For Condensor Pump –Model No 150/38 A-make Kirloskar

<u>Sr No</u>	<u>Description</u>	<u>Qty</u>	<u>Rate</u>	<u>Amount</u>
(a)	Mechanical seal-60mm	2 Nos		
(b)	Shaft sleeve CI	2 Nos		

(c)	Shaft sleeve SS	2 Nos		
(d)	Seal plate	2 Nos		
(e)	Ball bearing set	01 set		
(f)	Gland stud and packing	01 set		
(g)	Dismantling & fitting charges	01 Job		
(h)	Total amount for one pump			
(j)	Total amount for 02 Pumps			

Part-B

S. No	Description	Qty	Rate	Amount
(a)	Descaling Operation of Condensor and chiller units of HVAC plant	03 set		

Financial Bid

Name of work: :- Pump Overhauling & Descaling operations of 3
Condensers & Evaporator Units .

S. NO.	Description of item	Amount in words in INR
1.	Supply of Spares/labour as per part A of annexure B pump overhauling -06 Nos.	
2.	Descaling Operation of Two Evaporators Units chillers and Condensers (3+3)- Including material and Labour Cost for replacement of spares part B of Annexure B	
	Total amount (Ecxlusive of GST) in Figure	
	Total amount(Exclusive of GST) in words	

Signature of bidder

Address and seal of firm if any

Place & Date:
Note:

Company seal:

Signature of bidder

Address and seal of firm if any

Place & Date:
Note:

Company seal:

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. Prices to be quoted in Indian Rupees only in both figures & words.
4. Any cutting etc. shall be duly circled & signed by the bidder failing which Financial bid shall be rejected.
5. Payment will be released after deducting TDS and penalty, if any.
6. If the price Quoted in figures & words differs higher of the two, would be considered for bidding purpose .