



भाकृअनुप-राष्ट्रीय उच्च सुरक्षा पशुरोग संस्थान  
ICAR-National Institute of High Security Animal Diseases

(एवियन इन्फ्लूएंजा ओ.आई.ई. संदर्भ प्रयोगशाला)  
(OIE Reference Laboratory for Avian Influenza)

आनंद नगर, भोपाल - ४६२०२२ (म.प्र.), भारत  
Anand Nagar, Bhopal - 462022 (M.P.), India



EPABX Tel. No. 0755-2757542, 2750647, FAX: 0755-2758842, Website: www.nihsad.nic.in

F. No. 9-1/16-17/NIHSAD (P&S)

Dated: - 21.11.2016

**TENDER NOTICE**

Director, ICAR-NIHSAD, Bhopal, on behalf of the Secretary, ICAR New Delhi, invites sealed tenders (in two bids) from the reputed/registered firms/agencies having experience in the concerned field of work in respect of day-to-day maintenance of following works on **work contract basis**.

Brief Nature of job work*	Bid Security (EMD)	Tender Cost
TENDER FOR AMC OF OPERATION AND MAINTENANCE OF STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM, AIR COMPRESSORS WITH AIR DRYING UNIT, SOFT WATER PLANT WITH ITS ACCESSORIES, AUTOCLAVES (BARRIER) & RENDERING PLANT IN THE CONTAINMENT LABORATORY.	Rs. 30, 000/-	Rs. 1, 000/-

The tender document along with all terms and conditions may be downloaded from NIHSAD website [www.nihsad.nic.in](http://www.nihsad.nic.in) and submitted alongwith DD amounting to Rs. 1, 000/- (Tender cost) apart from **EMD of Rs. 30, 000/-** in favour of **ICAR Unit, NIHSAD, Bhopal**. No Tender form will be sold/issued by office of NIHSAD. The schedule of Tender will be as follows: -

Downloading of Tender Forms	21.11.2016 to 19.12.2016
<b>Pre bid Conference</b>	06.12.2016 at 11:30 AM
Last date of submission of filled in tender	<b>20.12.2016 upto 11:00 AM</b>
Opening date of tenders (Technical)	20.12.2016 at 11:30 AM

The contractor/firm/agency should be registered with EPF, ESI & Service Tax Deptt., having PAN, etc., rendering their services of similar nature of works & their average annual turnover shall not be less than **Rs. 14 Lacs** in similar nature of works in last three consecutive financial years and documentary evidence need to be submitted. The tenderer is required to furnish EMD in the form of Demand Draft/FDR/Banker's Cheque drawn on any Commercial Bank in favour of ICAR Unit NIHSAD, Bhopal as indicated above. Cheques except Banker's cheque will not be accepted. The tenders should be sent in a sealed cover super-scribing 'Tender for **Annual maintenance Contract for Operation & Maintenance of Boiler & Air Compressor etc.**' due on **20.12.2016**'. Contractor may also drop their tenders in the tender box kept in NIHSAD Office in person or may send by Speed Post so that it may reach timely.

Bids/Tenders received without prescribed EMD and/or after the specified date & time will not be considered in any case. The tender is to be submitted in two separate sealed envelopes labeled as (A) Technical – Bid (Envelop No. 1) & (B) Price – Bid (Envelop No. 2). The bidders are required to visit various areas to assess the actual quantum of works involved before submitting the tender.

NIHSAD, takes no responsibility for delay, loss, non-receipt of the tender documents sent by post and the Director reserves the right to accept or reject any of the tenders or all the tenders without assigning any reasons thereof.

In the event of holiday or on account of any reason, the tender shall be opened on the next working day at the prescribed time. The quantity of the tendered items may vary increase or decrease at the sole discretion of the Director.

This Tender document contains **23** pages.

(S. K. Gupta)  
Sr. Adm. Officer



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Dated: - 21.11.2016

INVITATION TO TENDER AND INSTRUCTIONS CONTAINING TERMS AND CONDITIONS FOR AMC OF BOILER & AIR COMPRESSOR ETC.

- Cost of Tender Form Rs. 1,000/- (Rupees One Thousand Only).
- Last date of receipt of Tenders in Office is 20.12.2016 at 11:00 AM.
- Tenders (technical bids) to be opened at 20.12.2016 at 11:30 AM.
- Tenders (financial bids) to be opened at (To be decided later)
- Tender to remain valid for acceptance upto 90 days from the date of opening.
- The Tender document is also available at our web-site [www.nihsad.nic.in](http://www.nihsad.nic.in).

Note: -

- The Director, ICAR-NIHSAD, Bhopal may, at his discretion, extend this date by a fortnight and such extension shall be binding on Tenderers.
- If the date upto which the Tenders are open for acceptance is declared to be a holiday the Tenders shall be deemed to remain open for acceptance till the next working day.
- All communications must be addressed to Director, ICAR-NIHSAD, Bhopal.

Dear Sirs,

- Sealed tenders are hereby invited on behalf of the Director, NIHSAD, Bhopal for **Annual Operation & Maintenance Contract of Boiler & Air Compressor etc.** The terms and conditions of the contract which will govern any contract made are those contained in the General conditions of contract applicable to the contracts and the special terms and conditions are detailed in the tender form and its schedules. Please submit your rates in the tender form if you are in a position to provide the requisite services in accordance with the requirements stated in the attached schedules.
- An earnest money of Rs. 30, 000/- (Rupees Thirty Thousand Only) must be deposited in the form of **Demand draft/FDR/Banker's Cheque** payable in the name of "**ICAR Unit, NIHSAD, Bhopal**". The particulars of the earnest money deposited must also be superscribed on the top of the envelop. The tender shall not be considered if earnest money is not be deposited with the tender.
- The tenderer is being permitted to give tenders in consideration of the stipulations on his part that after submitting his tenders, he will not resile from his offer or modify the terms and conditions thereof. If the tenderer fails to observe and comply with the foregoing stipulation, the aforesaid amount of EMD will be forfeited by the Institute.** In the event of the offer made by the tenderer not being accepted, the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same, in the manner prescribed by the Institute.
- The schedule of the tenders form should be returned intact and pages should not be detached. In the event of the space provided on the schedule form being insufficient for the required purpose, additional pages may be added. Each additional page must be numbered consecutively and be signed in full by the tenderer. In such cases reference to the additional pages must be made in the tender form. If any modification of the schedule is considered necessary it should be communicated by means of a separate letter alongwith the tenders. Overwriting/erasing in rates to be quoted by the tenderer will not be allowed otherwise the tenders may be rejected.

Contd...2

5. The tenders are liable to be ignored if complete information as required is not given therein or if the particulars asked for in the schedules to the tenders are not fully filled in. Individual signing the tenders or other documents connected with the contract may specify whether he has signed it in the capacity of (i) a sole proprietor of the firm or constituted attorney of such sole proprietor, or (ii) a partner of the firm if it be partnership in which case he must have authority to refer to arbitration dispute concerning the business of the partnership whether by virtue of the partnership agreement or power of attorney or (iii) constituted attorney of the firm, if it is a company.
6. If tenderer does not accept the offer, after issue of letter of award by Institute within 15 days, the offer made shall be deemed to be withdrawn without any notice & earnest money forfeited.
7. In case of partnership firms, where no authority has been given to any partner to execute the contract/agreement concerning the business of the partnership, the tenders and all other related documents must be signed by every partner of the firm. A person signing the tender form or other documents forming part of the contract on behalf of another shall be deemed to warranty that he has authority to bind such order and if, on enquiry it appears that the persons so signing had no authority to do so, the Institute shall without prejudice to other civil and criminal remedies cancel the contract and hold the signatory liable for all costs and damages. Each page of the tender and the schedules to the tender and annexures, if any, should be signed by the tenderer.
8. The original copy of the tender is to be enclosed in double cover. The inner cover should be sealed. The outer cover should be superscribed "**Annual maintenance Contract for Operation & Maintenance of Boiler & Air Compressor etc.**" with address of this office. All Tenders should be sent by Speed Post/Registered Post. Tenders to be hand delivered should be put in the tender box, which will be kept in the Office of the P&S Section, NIHSAD, Bhopal, not later than prescribed time and date.
9. The rate quoted by each firm for providing **Operation & Maintenance of Boiler & Air Compressor etc.** in tender be given both in words and figures failing which the same is liable to be rejected. Tenderer is at liberty to be present or to authorize a representative to be present at the time of opening of the tenders. The name and address of the representative who would be attending the opening of the tender on tenderer's behalf should be indicated in the tender. Name and address of permanent representative, of the tenderer if any, may also be indicated.
10. The institute is not bound to accept the lowest or any other tenders and also reserve to itself the right of accepting the tenders in whole or in part. You are, however, at liberty to submit Tender for the whole or any portion or to state in the tenders that the rates quoted shall apply only if the tenders are considered fully. Other conditional Tenders will not be accepted.
11. An amount of 10% of total contract value for the contract period as a security deposit in the form of DD/FDR/Banker's Cheque in Original for the contract is to be deposited by the selected agency/successful tenderer only after receiving a communication from the Institute. In the event of non-deposition of the same, the earnest money will be forfeited.
12. No interest on security deposit and earnest money deposit shall be paid by the institute to the tenderer.
13. Service tax or any other Tax applicable or made applicable after awarding the contract in respect of this contract shall be payable by contractor and institute will not entertain any claim whatsoever in this respect. However the service tax or any other taxes which is as per the rules of the Govt., shall be deducted at source from monthly bills of the successful tenderer, as per rules/instructions made applicable from time to time by government.

14. Director, ICAR-NIHSAD, Bhopal reserves the right to reduce or terminate the period of contract or to extend its duration in the interest of the institute, for any justifiable reasons not mandatory to be communicated to the tenderer.
15. Decision of Director, ICAR-NIHSAD, Bhopal shall be final for any aspect of the contract and binding to parties. Disputes arising, if any on the contract will be settled at his/her/level by mutual consultation and in case of failure of settlement dispute shall be referred to the sole arbitrator to be appointed by the Director, ICAR-NIHSAD. The decision of the sole Arbitrator so appointed shall be final and binding on the parties. Arbitration proceedings shall be governed by the Arbitration & Constitution Act, 1996.
16. Acceptance by the NIHSAD will be communicated by Fax/Speed Post letter or any other form of communication. It will also be posted on NIHSAD website. Formal letter of acceptance and work order of the Tenders will be forwarded as soon as possible, but the earlier instructions in the Fax/Speed Post letter etc. should be acted upon immediately.
17. The rate should be quoted keeping in view all statutory liabilities (like minimum wages and eventual increase in wages. EPF, ESI, Service Tax, bonus, etc.), other factors like service charge, cost of input etc. **If the quoted rates found lower than minimum prescribed liabilities, the same may not be considered by the Institute for award of the contract.**
18. a)
  - i) Bids should be submitted in two bid format (i) Technical bid & (ii) Financial bid.
  - ii) The documents are required to be enclosed with the tender form (**As listed in Schedule I Part IV**).
  - b) The successful bidder will have to enter into detailed contract agreement on non judicial stamp paper **for 500/-**.
  - c) Only those firms will be considered for financial bid who will qualify in the Technical Bid.

**Note:- The Technical bids and financial bids shall be submitted in separate envelopes that are individually sealed and put in a main cover.**

Yours Sincerely,

**Sr. Adm. Officer**

For and on behalf of the Director  
ICAR-National Institute of High Security Animal Diseases  
Anand Nagar, Bhopal – 462 021 (M.P.)

निविदादाता(ओं) के हस्ताक्षर.....

**TENDER FOR THE AMC OF BOILER & AIR COMPRESSOR ETC. ON JOB/WORK CONTRACT BASIS**

Full Name & Address of the Tenderer in:  
addition to Post Box No., if any, should  
be quoted in all communications to this  
office

Telephone No. :  
FAX/Mobile No. :  
E-Mail address :

From

.....  
.....

To

**The Director,**  
ICAR-National Institute of High Security Animal Diseases,  
Bhopal – 462 021 (M.P.)

I/We have read all the particulars regarding the General information and other terms and conditions of the contract for ..... and agree to provide the services as detailed in the schedule herein or to such portion thereof as you may specify in the acceptance of the Tender at the rates given in Schedule-I to this Tender and I/we agree to hold this offer open till 90 days. The rates quoted will be valid for a period of one year in the event of award of the Contract.

1. I/We shall be bound by a communication acceptance dispatched within the prescribed time.
2. I/We have understood these terms and conditions for the contract and shall provide the best services strictly in accordance with these requirements.
3. The following pages have been added to and from a part of this Tender. The Schedules-I, II and III are accompanied with this Tender.
4. Every page so attached with this Tender bears my signature and the office seal.
5. DD/FDR No.....Dated..... of Rs. .... drawn in favour of ICAR Unit, NIHSAD, Bhopal and payable at SBI, HET, Piplani Branch, Bhopal enclosed as earnest money required.

Yours faithfully,

Signature & Seal of the Tenderer  
Telephone No. Office

Name of the Witness\_\_\_\_\_

Resi.

Occupation\_\_\_\_\_ (alongwith Address Proof)

Mobile

Address\_\_\_\_\_

Signature of witness to contractor's signature

Address:

Name & Signature of Witness:

Address:

**Signature of the tenderer.....**

**Contd...5**

**SCHEDULE TO TENDERS**

Part – I

1.	Name of the Firm/Agency	
2.	Full Address with PIN Code Telephone No. /Mobile No.	
3.	<b>Constitution of the Firm/Agency (Attach copy) Indian Companies Act, 1956 Indian Partnership Act, 1932 (Please give names of partners) Any other Act, if not, the owners</b>	
4.	For partnership firms whether registered under the Indian Partnership Act, 1932, please state further whether by the partnership agreement to arbitration has been conferred on the partner who has signed the Tender.	
i)	If answer to the above is in negative whether there is any general power of attorney executed by all the partners of the firm authorizing the partners who have signed the Tender to refer dispute concerning business of the partnership to arbitration.	
ii)	If the answer to above point one and two is in the affirmative please furnish a copy of either the partnership agreement or the general power of attorney as the case may be. The copy should be attested by a Notary Public or its execution would be admitted by affidavit on a properly stamped paper by all partners.	
5.	Name and full address of the Banker	
6.	Your Permanent Income Tax (PAN) no./Circle/Ward	
7.	Any other relevant information	

**Signature of the tenderer.....**

**Part – II**

<b>8.</b>	Earnest money Deposited:	Yes
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**Part – III**

<b>9.</b>	Name and Address of the firm's representative and whether the firm would be representing at the opening of the Tenders	
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<b>10.</b>	Name of the Permanent Representative visiting NIHSAD, Bhopal regarding the contract	
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**Date:** - \_\_\_\_\_

**Place:** - \_\_\_\_\_

**AUTHORISED SIGNATORY**

**Please add supplementary pages to be numbered wherever needed by the Tenderer.**

**Signature of the tenderer.....**

**Contd...7**

**PART – IV**

**List of Documents to be submitted by the Bidder in Technical bid**

Sr. No.	Documents required	Yes/No	Page No.
1	Cost of Tender Form		
2	EMD in shape of DD/FDR/Banker's Cheque detailed on the envelope		
3	PAN Card in the name of firm/proprietor		
4	ESI Registration No. alongwith valid certified copy thereof		
5	EPF Registration No. alongwith valid certified copy thereof		
6	Firm should be Registered under company act or any other concerned authorities of Central Government/State Government or under company Act or any other Act essential for carrying out similar job work and copy of relevant certificate needs to be submitted		
7	Experience Certificate/List of contract (in this field) of last three years in tabular form 2013-2014 onward. Enclose certified copy of certificate of satisfactory performance. Experience of working with ICAR/GOI/State Government, Autonomous bodies, Public sector undertaking/local bodies only will be preferred & considered.		
8	Minimum turnover of the firm not less than 14 Lacs (Rupees Fourteen Lacs Only) during each of the last three financial years as reflected in certified Trading & P&L Account, Certified copies of Trading and P&L Account and Balance Sheet of the firm for last three years of the service contract by the chartered accountant should be furnished.		
9	Other related documents, photocopy of Banker details alongwith name of bank and Account No. and Address proof etc.		
10	Service tax registration certificate issue by the Government etc.		
11	If any agency is exempted from depositing of the above documents a copy of supporting government orders should be enclosed.		
12	The contractor/agency must have a registration with the relevant shop and Estt. Act. Of Labour Department.		
13	Number of staffs/supervisor registered under ESI/EPF contributions (staff/supervisor) required with ESI/EPF Department		

**Signature of the tenderer.....**



**PART – V**

Details of the Past experience – (Minimum 1 years relevant experience/work done):

Sr. No.	Name of the Deptt./Organization & Name of contact Person with Ph. No.	Period		No. of staff and Contract value	Remarks
		From	To		
1.					
2.					
3.					

(Authorized Signatory)

Signature of the tenderer.....

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Schedule – II

**TENDER FOR AMC OF OPERATION AND MAINTENANCE OF STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIEES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM, AIR COMPRESSORS WITH AIR DRYING UNIT, SOFT WATER PLANT WITH ITS ACCESSORIES, AUTOCLAVES(BARRIER) & RENDERING PLANT IN THE CONTAINMENT LABORATORY, NIHSAD,BHOPAL.**

**Essential Eligibility Criteria of Technical bid -:**

1. The bidder should be an approved/registered contractor for boiler work under Directorate of Boilers, Govt of M.P & should have fulfilled the requirements of IBR .He should also have a certified boiler attendant in his team for boiler cleaning & repair.

2. Experience of providing AMC Job contract of operation & maintenance of fuel oil based(FO/LDO) steam generating boilers of minimum capacity of 1500 kg/hr x 2 & air compressors with air driers in atleast two jobs during last three years in Govt./PSUs/required organizations satisfactorily.

**SCOPE OF WORK**

**A). STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIEES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM.**

There is captive steam generation plant system of 2Nos Boilers having capacity of 1.5T/ Hr at 10.5 Kg/ sqcm for dry saturated steam (Make M/s Supertherm, manufacturing year-1993), which are installed in the Boiler Room with fuel storage facility.

A Fuel Oil handling system is 2 X 20 KL Furnace oil Tanks for Boilers with complete Fuel Oil storage and Handling system (with motors/pumps/ electrical panels etc) are also covered under the scope.

**1).Operation**

1.1) March to October-Daily 9.00 AM to 6.00 PM

1.2) November to February- Daily (6 AM to 8 PM)

2). **Maintenance**

S.No.	Description	Unit	Qty
1	Annual maintenance of boilers for through cleaning and repairs and presenting the same for open inspection to the boiler inspector for the renewal of boiler's license to operate. Assembling all the above for the start of the Boiler after obtaining license from the Boiler Inspector. Repair includes all repairs from welding, replacement of pipe section wherever required and repair of the fire brick or refractory lining along with all consumables. Liasoning work with office of Director of Boilers MP Govt. also a part of this work and is in bidder's scope.	Job	02(Two)
2	Scraping/Cleaning old paint and repainting two coats of synthetic enamel paint on all the pipes all the structures in the boilers house including feed water tank and furnace oil day tank etc.	Job	01
3	Cleaning & removing of carbon ash from boiler chimney and painting with external painting with all paint.(Work will only be allowed after separate life insurance policy for the worker made and handed over to NIHSAD official).	Job	01
4	Maintenance and painting of all PRS installed at NIHSAD.	Job	05
5	Quarterly thorough cleaning of the fire tubes & fire drum of the Boilers CAP. Rate should be quoted for per Boiler per quarter along with all consumables. Repair if any is in the scope of the firm.	Job	06
	Note:-All consumables materials, tools, tackles are in the scope of the contractor.		

**2.1 Details of Annual Maintenance of Boilers**

1. Dismantling the boilers for thorough cleaning for producing the same for open inspection by the Boiler Inspector and Obtaining License to operate the Boilers from the Director of Boilers, Bhopal, MP. Detailed jobs are as under:-

a) Thorough cleaning of fire tubes by roding for the removal of scale from the fire tubes for open inspection. This includes hydraulic testing. (Hydraulic pump etc as required for testing will be provided by the contractor).

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- b) Cleaning the drum of the boilers for open inspection.
- c) After inspection internal painting the fire tubes by heat Resistant Black Paint of reputed make.
- d) Mountings repairing & painting includes base frame and rear cover of feed pump motors. Inspection platforms by smoke grey paint, movery line & feed water pipe line by green paint, burners by orange paint, level indicators by post office red paint and all other places where ever painting is required including painting of PRS lines and platform.
- e) External Cleaning of boiler by Emery cloth steel wire brush, painting of boiler Shell by aluminium paint. Chimney complete along with staircase & platform is also to be painted with heat resistant anticorrosive Al. Paint in two coats from outside
- f) Fixing of metallised champion make Gasket and Asbestos ropes wherever necessary.
- g) Lapping of main stop valve, feed check valve and lapping of any valve where ever leakage is found during hydraulic test.
- h) Assembling of all about for the start of the boiler after obtaining license from the boiler inspector.
- i) Replacement of the defective nut and bolt, stud and washers as and where required
- j) Painting of two coats of paint on feed water tank and furnace oil tank.
- K) Inspection of furnace and repair if required including material.
- L) All consumables required for each boiler are to be supplied by the firm.
- M) All the required repairs of boiler of force refractory including materials as mentioned below is in bidders scope, hence bidders are advised to inspect the installation before submitting the bid.
  1. Emery Paper/Cloth, hacksaw blades, paint brushes, scrapers as required.
  2. Asbestos rope 20 mm dia as required.
  3. Metallised gasket champion make 3 mm thick, 2 Sq.m.
  4. Heat resistant black paint makes Asian/Berger/Shalimar as required.
  5. Paints smoke gray, Green, Golden brown as required at site. Make Asian/Berger/Garware for Boiler and Black as required for pipes in trenches.
  6. Thinner as required at site.
  7. Flat wire brush as required for Job.
  8. Teflon tape 10 rolls (Champion make ¾ “)
  9. Graphite plug sleeve for water gauge size 20 mm 12 Nos.
  10. Hold Tight 2X1/2 kg Tin.
  12. Waste Cloth/cotton as required.
  13. Graphite paste for the purpose of lapping of valves ½ kg.

14. Rustoline-1/2 Litre.
15. Nut, Bolts & washers as required replacing the defective ones.
16. Any consumable not covered in above list but required for completion of the Job is to be included in the bid by the bidder.
17. **All IBR spare parts will be provided by NIHSAD.**

**Note -:**

- I) Contractor may inspect the work before submitting his quotation.
- II) Any work not mentioned above but required for the completion of the job is in the scope of the contractor.
- III) The bidder must submit bill of materials and complete literature of items quoted.
- IV) All safety measures should be taken by the firm to avoid any accident and for which NIHSAD will not be held responsible.
- V) Insurance of workers/labours is in the scope of the contractor.
- VI) The contractor has to show all the consumables supplied to the Engineer In charge of Boilers before starting the maintenance Job and has to take his approval for the quality of material supplied before using the material.
- VII) The work is strictly time bound & to be completed well before the expiry of the inspection date. Any delay or deficiency in work will be liable to the deduction in the payment & forfeiting of performance Guarantee (Security) money, solely at the discretion of the Director, NIHSAD.
- VIII) NIHSAD will not be responsible for any injuries, accident to the contractor's employees which may occur during the course of operation/negligence in performing the duty.

**B).AIR COMPRESSOR WITH AIR DRIER.**

Three Air compressors (1 No. Kirloskar & 2No. Khosla compressors) with Air driers and piping network are covered under this contract.

- 1).OPERATION-DAILY (Same as Boiler operation)
- 2).MAINTENANCE (Breakdown & preventive)
- 3). Replacement of the drying material (Activated alumina) including supply of 50 Kg in the beginning of contract.

### **B.1. Preventive Maintenance**

**Monthly**:-Once in every month the following works to be carried out during preventive maintenance cleaning of the compressor thoroughly including cooling fans of the compressors, Motors, Belt pulleys and suction filter also replacement of any defective components. Oiling, greasing where ever and whenever necessary .Checking of foundation bolts for vibration and noise. Preventive maintenance also includes both minor (Top overhauling) and Major overhauling of the compressors to prevent break down maintenance.

**B.2 Minor Overhauling** is to be done once in a month. **(Spare parts will be provided by NIHSAD and consumables/machining/welding if any required will be in bidder's scope.)**

### **B.3 Major Overhauling**

1. Once in six month and whenever it is felt necessary resulting from unusual noise and vibration on alignment.

Major overhauling includes complete stripping of compressor and replacement of all defective components like Piston(both LP & HP),connecting rods, main bearing(Both DE & NDE),Needle bearing, Gudgeon Pin, Piston heads, flanges, valves(NRV & Stop Valves ), Pressure control switch, defective flywheel and motor pulley and driven motor.

**During the process of overhauling any machining work necessary will be in bidder's scope at no extra cost.** After carrying out the above job the compressors are to be assembled and made operational by firm. **Hydraulic test of both Air Receiver once in a year.** Testing of safety valves. Painting of all compressors parts including receivers inside & outside both surfaces.

Maintenance of drier to prevent any leakage, for satisfactory performance, functioning of the Bypass arrangement. All piping and welding work are to be done by the firm.

**B.4 Breakdown Maintenance** -Any of the work that is required to put the compressor back into service during breakdown. The firm has to intimate well in time the requirements of spare parts, consumables or any materials that is required. **All spare parts will be provided by NIHSAD. All consumables and lubricant will be in bidder's scope.**

**C) STEAM AUTOCLAVE (BARRIER)- size- 600mm\*900mm\*1500mmx1, 600mm\*900mm\*900mmx1, 600mm x600mmx900 mmx 1 (Make Yorco-Double Door Type).**

**These autoclaves are installed inside the biocontainment laboratory of NIHSAD, Bhopal.**

1).Operation-Daily & As required

2). Maintenance-The annual maintenance contract covers the complete repairs, maintenance, calibration of instruments & validation of autoclaves as given in detail below-

a).All the manual and solenoid valves, NRV's, steam traps, safety lack valves will be checked and properly cleaned for scale formation leakage every month.

b).Calibration of recorder and Digital temperature Controller, twice in a year.

c).Validation of autoclave to ensure uniform temperature in the chamber out twice in a year.

d).All other problems related with Electrical, Instrumentation, Mechanical etc have to attended during visit & when required.

e).All tools, tackles, Validation instruments for AMC are to be arranged by the contractor. Consumables like Teflon tape, Insulation Tape, Hole Tight, Gland rope, Nuts, Bolts, Washers, Cleaning Cloth etc are in the scope of this contract, **whereas spare parts will be provided by NIHSAD.**

3).Hydraulic testing As per BIS once in a year.

**D).SOFT WATER PLANT WITH PUMP & ITS ACCESSORIES (Make-ion Exchange 18 years old.)**

1) Operation-Daily

2) Charging as required and calculation of PPM of soft water daily & recording it in log book. Instrument required for measuring PPM of soft water will be in bidder scope.

2) Maintenance-As & when required.

**E).RENDERING PLANT WITH (Shell & Tube) CONDENSER WITH ITS ACESSORIES (i.e. cooling tower & Pump).**

1).Operation-As & when required, max 6 times in a year.

2).Maintenance-2 times in a year

3).All consumables required are in bidder's scope.

**F).STEAM PIPELINE (Approx length-250 meter), CONDENSATE LINE (Approx length-160 meter) MAINTENANCE-**

-As & when required. (All the Pipes & fittings will be provided by NIHSAD, however welding electrodes, welding machine & IBR welders is in bidders scope)

**GENERAL TERMS & CONDITIONS OF THE CONTRACT FOR OPERATION AND MAINTENANCE OF A-F**

The tender is for proper operation and day to day routine maintenance (Preventive & break down) of whole system as described in the tender document. Only the well experienced firms/agencies/bidders are required to give their offers.

1. The firm / agency / contractor who wish to quote are required to visit and examine the whole system and satisfy themselves before submitting their offer and to apprise themselves about the conditions of equipment as well as minor items and equipment/ accessories of these systems. When the quotation is received, it will be deemed that the bidder has seen the systems and apprised themselves about the whole systems.

2. Log-book, registers for recording of parameters related Steam and fuel oil storage handling/supply systems shall be provided and maintained by the firm / agency / contractor showing the complete operation and maintenance done (separate log books) on the plant systems and it should be made available to the engineer-in-charge of NIHSAD. Clothes for cleaning of all equipments required for day to day operation & maintenance shall have to arrange by the contractor.

3. All routine/day to day maintenance material such as lube oil, nut bolts, grease, gland packing, gasket(different sizes), oil seal, o-ring, bush etc are covered under day to day maintenance of boiler plant & its accessories and fuel storage handling system etc. have to be provided by the firm/agency/contractor and a minimum quantity of such material may be kept at NIHSAD site to minimize time of maintenance. Necessary welding works of piping and in the boiler plant as per requirement are in the scope of contractor.

4. Care should be taken so that the system doesn't lead to major breakdown. In the event of any break down, the same will be rectified immediately failing which such rectification may be done at the risk and cost of the firm/agency/contractor and a suitable penalty may impose for such delay in rectification/maintenance. Similarity if any breakdown takes place due to negligence of the firm//agency/contractor, the whole component has to be replaced/rectified to bring the original condition immediately.



5. All tools, equipments, measuring instruments, welding machine, welding electrode etc. required for proper operation and routine maintenance for whole Plant systems and allied accessories etc. shall be provided by the firm/agency /contractor.

6. The contractor/firm/agency has to carry out the de-scaling of boilers, heat exchanges etc. as per schedule mentioned in scope of work. Chemical/material & tool tackles required for de-scaling of the same shall be provided by the firm/agency/contractor under the operation & day to day routine maintenance contract. No any extra cost/charges will be paid for the same to firm/agency/contractor by the NIHSAD.

7. The contractor/firm/agency has to carry out the painting of boilers & its accessories, pipelines, MS channel in boiler plant once in a year.

### **MANPOWER REQUIREMENT**

#### **A. Regular**

- I).Boiler/Autoclave/Rendering plant operator cum mechanic - 2 No.(Skilled)  
with ITI ( of any trade) having 'B' class Boiler operator  
License (From M.P. Govt) having 5 years of experience.
- II).Boiler Attendant/water softener operator -1 No.(Semi-skilled)  
ITI pass(fitter/Electrician), 3 years experience in similar works
- III).Helper - 1 No.(Semi-skilled)  
10 th pass with 5 years of  
Experience in assisting boiler  
Operators.

B).Temporary Manpower- As & when required.

I) IBR Welder

II) Painter

III) Air compressor mechanic

IV) Additional workers for cleaning of boilers.

V) Any manpower required in addition to above I to IV to be arranged by the bidder at his own cost.

Note:-

All the regular manpower of the bidder/firm shall be provided with two pairs of uniform & one pair of safety shoes and other safety devices as per guidelines of Director of Boilers, M.P. Govt. by the firm itself.

## TERMS & CONDITIONS

1. The contract is subject to the condition that the tenderer will comply with all the laws and acts of Central Govt., State Govt. relating to this contract made applicable from time to time.
2. The persons so provided by the agency under this contract will not be the employee of the NIHSAD and there will be no employer-employee relationship between the NIHSAD and the person so engaged by the contractor in the aforesaid services.
3. For this Contract, water and electricity will be provided by the institute. It is presumed that the bidder has assessed all the requirements of manpower/materials/logistics/taxes etc. thoroughly before participating in the tender process and the tender quoted cost is lumpsum in respect of all these items/services and therefore no request for any alteration/hike in the rates once quoted would be entertained within one year from the date of award of tender. None of the other requirements including stationary items would be provided from the institute.
4. The contractor will discharge all his legal obligations in respect of the workers/supervisors to be employed/deployed by him for the execution of the work in respect of their wages and service conditions and shall also comply with all the rules and regulations and provisions of law in force that may be applicable to them from time to time.
5. The contractor will have to produce the relevant labour license under Sec.12 (1) of the contract labour (Regulation & Abolition) Act 1970 within 15 days from the date of award of contract on issue of form V from the department. The contractor shall indemnify and keep indemnified the NIHSAD from any claims, loss or damages that may be caused to it on account of any failure to comply with the obligations under various laws. In case of any dispute, the decision of Director, ICAR-NIHSAD shall be final and binding on the contractor.
6. The service provider/contractual staff should have adequate literary knowledge to cope up with the smooth operation of work.
7. The agency shall, within 10 days from the communication of the acceptance of the tender or such extended time as may be specified by the authority at his sole discretion, furnish security at the rate not less than 10% of total consideration payable under contract in cash/in the form of DD valid upto 60 (days) after the date of completion of all contractual obligations by the Agency. In case the Agency fails to deposit the SMD within the aforesaid period, the contract awarded may be cancelled and EMD forfeited.
8. To have proper coordination in working, the Contractor/Service provider Agency authorities would visit the working areas frequently and contact the concerned In-charge officers/administration for any clarification if required.
9. The contractor must employ adult contractual staff (21 – 58 years) only. Employment of the child labour shall lead to the termination of the Contract.
10. Any change in service provider or contractual worker should be done in consultation with NIHSAD authority. Abrupt and unjustified changes will not be accepted.
11. All the Contractual Services Staff should follow strict attendance and alternative arrangements are to be made by the agency to keep all the work points to be in operation by the substitute if any contractual worker leaves the point.
12. The selected agency shall provide the necessary personnel to NIHSAD as per labour acts prevalent as per GOI or M.P. whichever is applicable. The agency shall employ good and reliable service provider/Contractual persons with good health. In case any of the personnel so provided is not found suitable by the NIHSAD, the NIHSAD shall have the right to ask for his replacement without giving any reason thereof and the agency shall on receipt of a written communication will have to replace such persons immediately.
13. The shift contractual should not leave their points vacant unless and until the reliever comes for shift duties, supervisor will maintain all the registers, which are kept at concerned Section.
14. The contractor shall not sublet the work without prior written permission of the NIHSAD.

15. The contractor or his workers shall not misuse the premises allotted to them for any purpose other than for which the contract is awarded.
16. The contractor shall keep a complaint register with his supervisor, and it shall be open to verification by the authorized officer of NIHSAD for the purpose. All complaints should be immediately attended by the Agency.
17. All the contractual workers should maintain discipline, punctuality and obedience in the campus. Any misconduct would entail the administration to instruct the contractor to replace the person immediately
18. Payment to the Contractor will be made on monthly basis.
  - a. Payment to the contractual staff would be done by the contractor through BANK TRANSFER in their account on or before 10<sup>th</sup> of each month, right from the first month.
  - b. The contractor then shall submit the claims of such payments to the institute alongwith proof of BANK TRANSFER, payment towards EPF, ESI, Service Tax and other statutory payment etc. The mode of payment and challans etc. should be transparent so as to prove their authenticity. In case of quarterly payment such proof shall be submitted in subsequent month.
  - c. Upon verification of records as mentioned above and the attendance of contractual persons, the administration would release the payment via BANK TRANSFER in the account of contractor.
  - d. In no case, release of payment should be linked to payment to contractual workers which must be done before 10<sup>th</sup> day of each month.
  - e. Income Tax (TDS) will be deducted from the payments due for the work done as per rule.
  - f. The contractor will have to provide the details of (individual wise) EPF deposition with the concerned department and copy of the detailed list obtained from the EPF department/website should be submitted as a supporting document alongwith the bill of the succeeding month. Similarly, firm should also provide evidence towards depositing the relevant amount towards ESI with details.
  - g. The contractor will have to give revised minimum wages with other statutory liabilities as and when the minimum wages are revised during the currency of the contract. Normally, wages are revised during April and October every year. It is expected that the bidder/contractor has taken into account such changes (increase) in the wages and will pay to the labourers/workers such revised wages from the date they become effective. NIHSAD will not pay any extra money to the contractor for such revisions but shall ensure that revised wages are paid to them at stipulated dates.
  - h. The Institute will not be responsible either to the Contractor or to its workers deployed at this Institute for any medical assistance/injuries/death or any kind of loss occurred to contractual labours.
19. The Director, ICAR-NIHSAD reserves the right to reject any or all tenders/quotations in whole or in part without assigning any reason thereof. The decision of Director, ICAR-NIHSAD shall be final and binding on the Contractor/Agency in respect of clause covered under the contract.

Signature of tenderer.....

**INSTRUCTIONS TO CONTRACTOR FOR STATUTORY COMPLIANCES FOR WORK CONTRACT**

**1. Statutory registration and clearances**

Contractor shall commence the work only after obtaining valid Labour License, independent provident fund no., ESI Registration no., and Income tax no. and clearance certificate in respect of provident fund, ESI and Income tax from respective enforcement authorities.

**Identity Card**

2. Contractor shall provide to each of his employee an Identity card which shall have his photograph verified by contractor, his name, place of work and name of the contractor.

**3. Statutory obligation**

3.1 Contractor shall engage only adult workers (in the age group of 21 years and 58 years).

3.2 Contractor shall observe local laws as far as possible.

3.3 In case a contractor deploys women worker obligation under women's law – should be followed.

**4. PF & ESI Contribution & Return**

4.1 PF & ESI contribution of workers engaged shall be borne by the contractor as per laws/ rules in force & shall produce papers/ records whenever asked to do so.

4.2 Contractor shall fully comply all other formalities as per the PF & ESI statutory provisions and submit a copy of the chalans etc. to NIHSAD for replying to statutory authorities in case of any complaints.

4.5 Verification of the character and antecedents of new workers from police authorities are to be got done by the contractors and should submit to the office before commencement of AMC. In case of old workers, these certificate should be renewed every 3 years.

**5.0 Medical care in case of accident**

5.1 The agency shall agree to get all the staff members insured against any liabilities arising under the workman's compensations act or under the common law. This aspect shall not be a liability on the part of the Institute in any case.

5.2 It is responsibility of contractor to undertake necessary care and make arrangement for transportation and the treatment of his worker.

5.3 Contractor should assist and guide his workers.

**6.0 Supervision**

Contractor shall engage adequate number of competent and qualified supervisors to supervise and control his workers at the work spot during execution of work for effective supervision. They will also identify their worker and regulate entry at gate at the time of entering and leaving the premises. Name and address of the Supervisor shall be submitted to the concerned department by the contractor.

**7.0 Payment of wages**

7.1 Payment shall be made by the contractor to his workers as per their category & nature of work which shall not be less than the rates declared from time to time under Minimum wages Act. By govt. of M.P. or central Govt. which ever is higher.

**8.0 Safety and disciplinary action**

8.1 Contractor shall ensure that his workers do not indulge in any unsafe or hazardous activities. They use safety equipment such as safety belts, safety shoes, goggles, helmet and masks where use of such equipment is required in day-to-day operations. All such safety gadgets will be provided by the contractor.

**9.0 Records & information to be furnished by contractor**

9.1 Contractor shall maintain neatly, completely and legibly registers, records, reports and returns for inspection by various authorities at short notice.

9.2 Contractor shall submit the details of work awarded to him by other departments indicating work order No., nature of work etc.

9.3 Contractor shall provide full particulars of each worker deployed by him before start of the work from time to time.

**10.0** After award of AMC the successful bidder has to deposit 10% performance security with agreement before starting the work. In case of a new contractor taking over AMC, the new contractor has to depute his staff to acquaint with the working of the machinery at least 15 days before actual taking over the work. He will not be allowed to star work before the agreement signing, payment of the security deposit etc.

**CHECK LIST (TECHNICAL BID)**  
**SUMMARY OF COMPLIANCE TO REQUIREMENT OF TENDER**

<b>Sr. No.</b>	<b>Description of requirement</b>	<b>Yes/No</b>	<b>Page No.</b>
1.	<b>The firm should be registered with Director of Boiler Madhya Pradesh and have experience in IBR field and accordingly certificate/documents to be enclosed.</b>		
2.	Registration certificate of provident fund commissioner enclosed PF registration code allotted by the Regional Provident Fund Commissioner, Govt. of Madhya Pradesh		
3.	Copy of Registration certificate/allotment of service tax number		
4.	Copy of Registration Certificate/allotment letter PAN from Income Tax Department		
5.	Registration certificate of ESI enclosed		
6.	Proforma containing details of other organization where such contracts were/are undertaken (attach supportive)		
7.	DD of EMD for Rs. <b>30, 000/-</b>		
8.	Price Bid proforma completed & sealed in separate envelope		
9.	Acceptance of terms and conditions attached. Each page of terms and conditions to be duly signed as token of acceptance and submitted as part of tender document.		
10.	Copy of 3 years Income tax returns		
11.	Office address in, Bhopal.		
12.	Copy of Commercial Tax Registration, if available.		

Declaration by the Tenderer:

This is to certify that I/We signing this tender have read and fully understood all the terms and conditions contained herein and undertake myself ourselves to abide by them

**Schedule – III**  
**FINANCIAL BID**

**FINANCIAL BID IS TO BE ENCLOSED IN A SEPARATE SEALED ENVELOPE**  
**FAILING WHICH THE TENDER WILL NOT BE CONSIDERED.**

To

**The Director,**  
ICAR-NIHSAD,  
Bhopal – 462021 (M.P.)

Sir,

I/We submit our tender with respect to financial bid for Contract at NIHSAD, Bhopal and my/our rate is as follows which may be read with reference to Schedule – II: -

Description	Total Rate per month
TENDER FOR AMC OF OPERATION AND MAINTENANCE OF STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIEES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM, AIR COMPRESSORS WITH AIR DRYING UNIT, SOFT WATER PLANT WITH ITS ACCESSORIES, AUTOCLAVES (BARRIER) & RENDERING PLANT IN THE CONTAINMENT LABORATORY.	
<b>Service Tax, if any</b>	
<b>Total per month cost</b>	
<b>Total yearly cost</b>	

Note: - Cost/Rate of 2nd year AMC may also be quoted.

I/We agree to forfeiture of the EMD deposited by me/us in connection with tender if we fail to comply with any of the terms and conditions in whole or in part as paid down in the tender documents. We have carefully read the terms and conditions of the tender and agree to abide by these in letter and sprit.

In other terms and conditions that the tender would like to specify, it will form a part of the schedule.

**Signature**  
**Name and address of the firm with phone number**

**PENALTY CLAUSE/LIQUIDATED DAMAGES CLAUSE**

1. **In case of deficiency of services, Pro-rata deduction of amount on the services not provided will be made in addition to 10% penalty would be charged after giving due hearing to the contractors explanation by the Director of the Institute.**
2. Any misconduct/misbehavior on the part of the manpower deployed by the agency will not be tolerated and such persons will have to be replaced immediately.
3. If the required number of workers/supervisor are less than the minimum required a penalty of Rs. 500/- per worker per day will be deducted from the bill.

**RISK CLAUSE:-**

The Agreement of contract can be terminated with two months notice from either side on the technical issues beyond logical solutions. However, in case of Service Provider/Contractor issuing notice, the expenses incurring due to such breach shall be recovered from the security deposit.

The decision of the Director, ICAR-NIHSAD, Bhopal (competent authority in the Institute).....shall be final and binding on the contractor/agency in respect of any clause covered under the contract and any matter incidental to the contract.

IN WITNESS whereof the parties have executed those present on the day month and year as mentioned above.

Signature \_\_\_\_\_

Signature\_\_\_\_\_

(Name & Address of the firm)

**(For the Institute)**

Witness:-

1. \_\_\_\_\_

2. \_\_\_\_\_