

TENDER FOR

OPERATION AND ROUTINE MAINTENANCE/ COMPREHENSIVE MAINTENANCE OF STEAM GENERATING BOILERS WITH ALLIED ACCESSORIES, STEAM PIPINGS AND DISTRIBUTION IN THE LABORATORY & ANIMAL HOUSE AND FUEL OIL STORAGE AND HANDLING/ SUPPLY SYSTEM.

TENDER NO-S.1-336/2016/NIB/Engg(M)

1.	Date of start for issue of Tender Documents	22.08.2016 to 13.09.2016
2.	Last Date of submission of Tenders	14.09.2016 at 3:00 PM
3.	Pre Bid meeting	31.08.2016 at 3:00 P.M.
4.	Date of Opening of Technical Bids	14.09.2016 at 3.30 P.M.
5.	Opening of Price Bids	To be intimated separately only to technical qualified bidders
6.	Tender Fee	Rs. 525/- (Rs. five hundred twenty five only)

Name of bidder	
Address of Bidder	
Phone Nos.	
E-mail ID	
Contact Persons	i. ii. ii.



NATIONAL INSTITUTE OF BIOLOGICALS
(Ministry of Health & Family Welfare)
A-32, SECTOR- 62 (INSTITUTIONAL AREA),
NOIDA-201 307 (U.P.)

Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014.
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NATIONAL INSTITUTE OF BIOLOGICALS

(Ministry of Health & Family Welfare, Govt of India)

Plot No:A-32, Sector-62 (Institutional Area), NOIDA-201 309 (U.P)

Phone: 0120-2400022, 2400072, Fax: 0120-2400074,

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TENDER FOR OPERATION AND COMPREHENSIVE/NON-COMPREHENSIVE MAINTENANCE OF STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIEES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM.

The **NATIONAL INSTITUTE OF BIOLOGICALS (NIB)** is an autonomous Institute under the Ministry of Health & Family Welfare, Government of India and is a premier institution engaged in the evaluation and quality control of various biological products like blood, blood reagents, sera, immuno-diagnostic kits etc. The Institute is spread over an area of 18.4 acres of land with various buildings have already been constructed.

The NIB has a super specialty Laboratory building called **LABORATORY & ANIMAL HOUSE** with a constructed floor area of about 1500 sq meters in three floors. The steam requirement is spread over this building through insulated piping network with accessories mainly for heating of various items of the Laboratory like bio-medical equipment, HVAC system and hot water supply system etc. There is captive steam generation plant system of 3Nos Boilers having capacity of 2.8T/ Hr at 10.5 Kg/ sqcm for dry saturated steam at 178 degree C (M/s FORBES MARSHALL make) ,which are installed in the Boiler Room adjacent **LABORATORY & ANIMAL HOUSE BUILDING**. And also operation and routine maintenance of two Air compressors (Atlas Copco) are covered under this contract.

A Fuel Oil handling system is 3 X 75KL Tanks with three HSD day tanks for Boilers with automatic complete Fuel Oil storage and Handling system with motors/ pumps/ electrical panels etc which are also under this scope.

The bidders are required to visit NIB and see the installation for themselves and the quantum of work involved before submitting the tender. Once the tender is submitted, it will be deemed that the bidder has seen and understood the complete work involved for the system.

Sealed tenders are invited from well experienced bidders in the prescribed format for operation as well as comprehensive maintenance of this steam generating Boilers and allied equipments including steam distribution piping network and complete Fuel Oil storage/ handling/supply system etc. as mentioned in **ANNEXURE-I**. Initially the system will run in the general shift (including Saturday, Sunday & Holiday) and it would run in three shifts, round the clock including Saturday, Sunday and holidays. Bidders have to give their rates for both types of working.

1. FOR PRE-QUALIFICATION

The Applicant should meet the following minimum criteria for pre-qualification:

- (a) Average annual financial turnover for related works during the last three years, ending March-31, 2016 should be more than Rs 41.00 lakhs.
- (b) Experience of having successfully completed similar works during last 07(seven) years ending last day of month previous to the one in which applications are invited i.e. March-31, 2016 should be either of the following;
 - (i) Three similar completed works costing not less than the amount equal to Rs. 11.00 lakhs each **or**
 - (ii) Two similar completed works costing not less than the amount equal to Rs. 16.50 lakhs each **or**
 - (iii) One similar completed work costing not less than the amount equal to Rs. 22.00 lakhs.
- (c) Definition of "Similar Works" The firm/ agency/ contractor, shall be rendering their services of a similar nature of work i.e. Operation and Routine/ Comprehensive Maintenance of similar type and capacity/rating boilers as installed in NIB or larger, along with complete accessories since at least last three years in Government/ Semi-Govt./ PSU's or large reputed private organizations satisfactorily. Preference will be given to the bidder who has operated similar or larger boilers of Forbes Marshall or equivalent make.

2 Copy of PAN/TIN No., Service Tax No. and Income Tax clearance Certificate to be furnished/enclosed.(Fill in Appendix-C)

3. Earnest Money Deposit (EMD): -

The tenders are required to deposit Demand Draft of **Rs.54,000/-** (Fifty four thousand only) in favour of the "**National Institute of Biologicals**, payable at **Noida/ New Delhi** as Earnest Money Deposit (EMD) along with original tender documents for this work. EMD will be returned to the unsuccessful tenderers after award of the contract. No interest shall be payable by NIB on EMD.

In case the party refuse to accept the work order or withdraw his bid during the validity of the offer, EMD can be forfeited by the Institute.

4. Sale of Tender: -

Non-transferable tender document containing terms conditions and technical specification etc. can be obtained from the Account Section of this Institute on all working days at schedule date and time as per advertisement on a written request

on the letter head of the firm and on payment of amount mentioned in advertisement through crossed demand draft (non-refundable) in favour of **National Institute of Biologicals, payable at Noida/ New Delhi** towards its cost. Before buying the tender documents, tenderer may see the document particularly pre-qualification criteria in their on interest.

The Tender document can be downloaded from our web site www.nib.gov.in and Tender Fee of Rs. 525/- can be deposited with the technical bid.

Tender/Bid received without tender fee is liable to be rejected.

5. The tender is to be submitted in two separate sealed envelops as under:

5.1. **Technical Bid (Envelop No -1)**

a) All the pages of tender document in original including the unfilled PRICE-BID Performa (**ANNEXURE-V**) duly signed and stamped by the tenderer, as a token of acceptance, along with deviation sheet with deviation if any, from particular tender conditions in a separate sheet (**ANNEXURE -IV**). The following additional documents shall also be enclosed and sealed, superscript with name of the tender i. e.

i) The attested copies of Registration Certificate along with attested copies of experience certificates of carrying out similar nature of work as per pre-qualification criteria particularly annual maintenance contract of different type mechanical services in Government/ Semi Government/ PSU's or large reputed private organization etc. for at least last three years satisfactorily. They may also enclose work order copies to meet the experience criteria.

ii) The attested copies of the balance sheet/ audited statement of accounts or any other relevant document to prove the minimum average annual turnover required as per pre-qualification criteria in preceding last three financial years in maintenance and services.

5.2 **Price Bid (Envelop No. 2)**

The Price Bid as per Performa given in the tender documents as **ANNEXURE-V** shall be photo copied and then price filled up and submitted in Envelope No -2, duly sealed superscript with name of tender. Any conditions given in the Price Bid may cause rejection of Bid. Price must be quoted in both figures and words.

6. **Pre Bid Meeting and Clarification of Bids:**

6.1 A Pre Bid meeting will be organized by NIB before the last date for submission of bids at NIB Noida. **Bidders may seek any clarifications from NIB on their written request regarding the tender document.**

6.2 During evaluation of bids NIB may, at its discretion ask the bidder (s) for clarification of their bid. The request for clarification and the response shall be in writing and no change in prices or substance of the bid shall be sought, offered or permitted.

7. Submission of Bids:

The Envelop No. 1 & 2 shall be sealed separately and placed in a third Envelope which also shall be sealed and duly super scribed with the name of the tender.

Bid with all complete relevant documents must be addressed to the **Director, National Institute of Biologicals, A-32, Sector - 62, Noida** not later than **15:00 Hrs** on scheduled date as mentioned in the advertisement. **Late bids will not be entertained.**

8. Bid Opening:

(i) Bid shall be opened in the office of this Institute at Noida, an hour after the prescribed time for the bid submission in the presence of tenderer who may wish to be present on a date & time as mentioned in the advertisement.

(ii) The technical bid shall be opened first. The Price Bid (Envelop No 2) will be opened only of those tenderers whose technical bid is found to be in order and for which they shall be intimated separately about date & time by fax/ telephone/e-mail.

(iii) Note:

The bidder who has not submitted the documents as per tender conditions major deviations, proper EMD and experience certificate etc. their tender may be treated as non responsive and their Price Bid (Envelop No. 2) shall not be opened.

(iv) The successful firms/ agencies/ contractors will be intimated and contract agreement will be entered into initially for a period of one year. The preparation of the contract agreement with proper stamp etc. would be done by the bidder in consultation with NIB. If the firm's services/ performance is found to be satisfactorily in the sole opinion of NIB, the contract is be extendable on the same terms & conditions for a further period of two years on yearly and performance basis.

(v) The firms/ agency/ contractor are required to submit their most competitive price offer the format (**ANNEXURE -V**) Part A & B in concurrence with the list of major equipment, scope of work, technical specifications, terms & conditions and deviations sheet etc enclosed herewith as **APPENDIX - A,B,C,D & ANNEXURE - I, II, III, & IV.**

(vi) The firm is also required to submit the price break-up of manpower and other major work as mentioned in the tender along with price bid. The minimum rates of wages fixed by the Central Govt. from time to time respective category of employment are applicable in this Institute and rates would be revised accordingly. The records of labours, wages payment as per the contract labour (Regulation & Abolition) Act 1970 read with the central rule 1971 are subject to inspection & verification by NIB or Labour enforcement officer. **The Rate quoted below minimum wages (as notified by Labour Department, Govt. of India will not be accepted.**

9. Awards of Contract:

- (i) NIB will award the contract to the successful bidder whose quotation has been determined to be substantially responsive and determined as the lowest evaluated quotation, provided further that the bidder is determined to be qualified to perform the contract satisfactorily.
- (ii) **Period of Contract** - Initially the order will be placed for a period of one year and it may be extended for another two years depending on the performance of the contractor on year to year basis.
- (iii) Foreclosure of contract due to abandonment or reduction in scope of work - If at any time after acceptance of the tender, National Institute of Biologicals shall decide to abandon or reduce the scope of the works of any reason whatsoever and hence not require the whole or any part of the works to be carried out, the NIB shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.
- (iv) Subletting - The contract/work shall not be sublet in any degree or manner without the written approval of the NIB.

10. Right to accept any Quotation and to reject any or all Quotation:

The NIB reserves the right to accept or reject any quotation, and or to annul the bidding process and or reject all quotations at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for NIB's action.

11. Notification of Award:

- 11.1 Prior to the expiration of the validity, NIB will notify the successful firm in writing by speed post/ registered letter or by fax, that his quotation has been accepted.

- 11.2 The notification of award will constitute the formation of the contract.
- 11.3 Upon furnishing of Performance Security by the successful bidder's, NIB will promptly notify each unsuccessful bidder/s and will release their EMD.

12. Signing of Contract:

NIB will notify the successful bidder that his quotation has been accepted and NIB will send a work order to the bidder describing the works to be carried out and the same shall be returned duly acknowledged affirmatively by the bidder, as a token of acceptance and a contract agreement will be signed between both the parties.

13. Performance Security:

- 13.1 Within 21 days of receipt of work order from NIB, the successful firm shall furnish the Performance Security equivalent to 10% of the contract value in the form of Bank Guarantee (from any Nationalized/Schedule Bank) which should be valid for 60 days beyond expiry of the entire contract period i.e., including extendable period, in the format as per APPENDIX- A or in form of Demand Draft/Pay Order in favour of "National Institute of Biologicals" payable at "Noida/Delhi".
- 13.2 Failure of the contractor to comply with the requirement of contract shall constitute sufficient grounds for the annulment of the awards and forfeiture of the performance security, in which event NIB may get done the work at the risk cost of the Contractor.

14. Payment:

- 14.1 Contractor will submit monthly Pre Receipted (affixing the Revenue Stamp) bills dully supported with necessary check list, log sheets etc. along with the proof of deposit of ESI, PF and Service Tax (if applicable). NIB will make payment to the contractor within 15 days after receipt of the bills after deduction of applicable taxes/TDS etc. Bill payment will be released after the disbursement of the labour payment up to 10th date of every month during the contract period and follow the labour act and contractor shall be submitted the disbursement sheet along with the monthly bill. **It may kindly note that labour payment need to be disbursed by direct transfer of amount in their bank accounts. If the contractor does not release the labour payment maximum up to 10th date of each month, in such event NIB will deduct an amount of Rs. 1000/- per day for each day of delay after 10th day of the month.**
- 14.2 **Penalty Clause:** If check list, log sheets, service reports, maintenance schedule and instructions of the Institute do not shows proper compliance of works to be done by the contractor as per schedule; NIB will make suitable deduction from the contractor's bills. If the contractor fails to maintain the operation and maintenance

of services as per contract, in such event NIB will deduct actual cost incurred on this work plus 10% extra for departmental service charges.

- 14.3 In case of short deployment of manpower as given in the contract Institute will makes suitable proportionate deduction from the bills on the basis of minimum wages as claimed for respective category of technical manpower as applicable.
- 14.4 **Liquidated damages:** In case of work is delayed beyond the specified completion/given time period for reasons attributable to the contractor, deduction on account of Liquidated damage @ Rs. 1000/- per day subject to a maximum of 10% of the total contract value will be made from contractor's bill. The decision of NIB in this regard shall be final and binding on the contractor.
- 14.5 The contractor shall be responsible for proper maintenance of decorum, punctuality, discipline and work out put. The personnel so deployed should be in a proper neat & clean well-dressed uniform. Providing of uniform etc to deployed staff shall be the responsibility of the contractor. If the staffs are not present in uniform, a penalty @ Rs 50/per day/per person will be levied and deducted from the bill. All the employees/workers deployed by the contractor will have to carry valid gate passes which will be issued only after submission of their bio-data in desired format. Any negligence/offence on their part will attract immediate removal from site. It is mandatory for the entire contractor's employees to wear Identity cards with their company's name embossed on the same and display.
- 14.6 In case of any injury to the contractor's employee/worker at NIB campus due to any reason, the contractor shall be responsible for taking person to the hospital/nursing home/dispensary for treatment at his own cost. If in the case of an emergency, NIB vehicle is used, NIB incurs any expenditure on the treatment of the person, the contractor will be suitable charged for the same.
- 14.7 Any intentionally delay, or delay to improper mobilization of men and material for executing the work by the contractor or unprofessional attitude of the contractor/labour causing delay, the contractor shall penalize Rs. 2000/- for each day of delay up to a maximum of 10% of the total contract value.
- 14.8 **Levy/Taxes payable by contractor** - Sales Tax/ VAT or any other tax on materials in respect of this contract shall be payable by the contractor and National Institute of Biologicals shall not entertain any claim whatsoever in this respect.

All tendered rates shall be inclusive of all taxes and levies payable under respective statutes but exclusive of Service Tax which will be paid at the applicable rates. However, pursuant to the Constitution (46th Amendment Act, 1982, if any further tax or levy is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies, the contractor shall be reimbursed the amount so paid.

14.9 **Intoxicants:** Smoking, drinking of alcoholic beverages is strictly prohibited in NIB premises.

15. Applicable Law:

15.1 The contract shall be interpreted in accordance with the Laws of the Union of India. Contractor shall be solely responsible for compliance of all labour laws, payment of fair wages/ salaries and allowances to his personnel that might become applicable under any new act, law or order of Government of Centre. NIB shall have no liability whatsoever in any manner. **The Contractor has to show the proof of payment of fair wages to his workers as and when asked for the same by NIB.**

15.2 Minimum wages Act to be complied with - The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time and rules framed hereunder and other labour laws affecting contract labour that may be brought into force from time to time. **It is clarified that the minimum rates of wages as fixed by the Ministry of Labour, Govt. of India for NOIDA-Á' category from time to time to the respective category of employment, are applicable to NIB.**

15.3 If there is any variation in minimum wages during the contract period, the monthly contract price/rates will be revised based on any increase/decrease of minimum wages for which documentary proof will be furnished by the contractor.

16. Resolution of Dispute:

All disputes arising out of this contract shall be referred to the sole arbitration of a person selected by the contractor out of the panel of three persons nominated by the Director NIB, and his decision /award shall be final and binding on both parties. The Arbitration shall be governed under the Indian Arbitration Act 1996 or any statutory modifications or re-enactment thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding under this contract.

17. Force Majeure

17.1 Notwithstanding the provisions stated above, the service provider shall not be liable for forfeiture of its performance security, penalty or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of force majeure.

17.2 For purposes of this clause, "Force Majeure" means an event beyond the control of the service provider and not involving the contractor/service provider's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the service provider either in its sovereign or contractual capacity, wars

or revolutions fires, floods, epidemics, quarantine restrictions and freight embargoes.

- 17.3 If a Force Majeure situation arises, the contractor/ service provider shall promptly notify the NIB in writing of such conditions and the cause thereof. Unless otherwise directed by the employer in writing, the service provider shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

LETTER OF APPLICATION

[NOTE: On the letter head paper of the Applicant including full postal address, telephone no., fax no., and E-mail address]

To

The Director
National Institute of Biologicals,
Plot No. A-32, Sector-62(Institutional Area),
NOIDA -201 309(U.P)

Sir,

1. Being duly authorized to represent and act on behalf of (hereinafter referred to as "the Applicant"). and having reviewed and fully understood all the Pre-qualification information provided, the undersigned hereby apply for the following scope of work:

“OPERATION AND COMPREHENSIVE/NON-COMPREHENSIVE MAINTENANCE OF STEAM GENERATING BOILERS, WITH THEIR ALLIED ACCESSORIES AND STEAM DISTRIBUTION PIPING NETWORK AND FUEL OIL HANDLING SYSTEM”.

2. Attached to this letter are copies or original documents defining:
 - (a) the Applicant's legal status;
 - (b) the principle place of business; and
 - (c) the place of incorporation (for applicants who are corporations) or the place of registration and the nationality of the owners (for applicants who are partnerships or individually-owned firms).
3. Your office and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents and information submitted in connection with this application, and to seek clarification from our bankers and clients regarding any financial and technical aspects. This Letter of Application will also serve as authorization to any individual or authorized representative or any institution referred to in the supporting information, to provide such information deemed necessary and requested by yourselves to verify statements, and information provided in this application, or with regard to the resources, experience, and competence of the Applicant.
4. Your office and its authorized representatives may contact the following persons for further information.

General, Personnel, Technical and Financial Enquiries	
Contact 1	Telephone 1
Contact 2	Telephone 2

5. This application is made in the full understanding that:
- (a) Bids by pre-qualified applicants will be subject to verification of all information submitted for Pre-qualification at the time of bidding:
 - (b) Your office reserves the right to:
 - Amend the scope and value of the contract/bid. In such event, bids will only be called from pre-qualified bidders who meet the revised requirements and reject or accept any application, cancel the Pre-qualification process, and reject all application without assigning any reason thereof; and
 - (c) Your office shall not be liable for any such action and shall be under no obligation to inform the Applicant.
6. Appended to this application, we give details of the participation of each party including capital contribution and profit/loss agreements, to the joint venture or association. We also specify the financial commitment in terms of the percentage of the value of the contract, and the responsibilities for execution of the contract.
7. The undersigned declare that statements made and the information provided in the duly completed application are complete, true, and correct in every detail.

Signed
Name
For and on behalf of

Application Form No. 1

GENERAL INFORMATION:

All individual firms applying for tender are requested to complete the information in this form. Information to be provided for all owners or applicants who are partnerships or individually-owned firms.

1.	Name of firm:
2.	Head office address:
3.	Registered office address:
4.	Telephone: Contact:
5.	Fax : E-mail:
6.	Place of incorporation/ Registration No. Year of incorporation / registration

Application Form No.2

STRUCTURE AND ORGANIZATION

1. The applicant is
 - (a) an individual
 - (b) a proprietary firm
 - (c) a firm in partnership
 - (d) a Limited Company or Corporation.

2. Attach the Organization Chart showing the structure of the organization, including the names of the Directors and position of officers.

3. Have you ever left the work awarded to you incomplete: (If so, give name of project and reasons for not completing the work.)

APPENDIX-A

ANNUAL TURN OVER

YEAR	ANNUAL TURNOVER AS PER AUDITED BALANCE SHEET(in Rs.)
2013-2014	
2014-2015	
2015-2016	
Average Annual Turnover	

NOTE: The above data is to be supported by Audited Balance Sheets.

- * If account are not audited till the date of submission of tender, a certificate from a Chartered Accountants may be submitted, along with un-audited accounts.

APPENDIX-B

DETAILS OF COMPLETED WORKS OF SIMILAR NATURE AND COMPLEXITY(During last seven year ending MARCH-31, 2015);

S.No.	Name of the contract	Name of the client	Brief Description of the contract	Date of Start	Date of completion as per contract	Date of actual completion	Value (Rs.)
1.							
2.							
3.							
4.							

NOTE: Please attach supporting documents for the above information.

APPENDIX-C

Details of Registration with State/Central/PSU Departments

Name of the Authority/Department with whom registered	Class in which registered	Amount for which eligible to work	Date of Registration	Validity period	Whether registration

PERSONNEL CAPABILITIES

S.No.	Name & Address of the Employee	Technical Qualifications	Post Held	Date of Employment

Note: More rows may be added, if required.

ANNEXURE-I

1. LIST OF MAJOR EQUIPMENT OF THE BOILERS/STEAM GENERATION AND DISTRIBUTION SYSTEMS AND COMPLETE FUEL OIL STORAGE/HANDLING/SUPPLY SYSTEM IN THE LABORATORY & ANIMAL HOUSE AND POWER HOUSE DG SETS AT NIB, NOIDA.

A. LIST OF MAJOR EQUIPMENTS OF BOILER/ STEAM GENERATION AND DISTRIBUTION PIPING NETWORK ETC IN THE LABORATORY & ANIMAL HOUSE.

S No.	Description of Items	Quantity.
1.	Steam generating Boilers having capacity 2.8 Ton /Hr at 10.5Kg/Sqcm for dry saturated steam at 178 degree C along with all accessories to make it complete. (M/s FORBES MARSHALL make)	3 Nos
2.	Surge Tank & De-aerator, flash vessel, heat Exchangers (4 nos.) and Economizers (3 nos.).	Lot
3.	Pressure reducing stations 10.5 to 3.5Kg/sqcm, 10.5 to 5.5, 5.5 to 3.5, 5.5 to 3.5 and 10.5 to 0.5 kg/sqmm, one no. each for various purpose steam supply, steam Traps, Moisture separator, safety relief valves and various other types of valves, and piping system with their accessories and insulation, Air vent etc, to complete the whole steam generating and distribution system.	Lot
4.	Surge Pump 0.55 3nos. feed water pumps 3kw (3Nos run + 3Nos stand by). SHW Hot water pump, 7.5kw 3nos., RHW Hot water Pump, 7.5kw-3nos, Hot water pumps 2.3 hp -1no. Steam/ condensate return pumps (4Nos at various places in the building) along with pipes, valves and other accessories.	Lot
5.	Exhaust stack chimney fabricated of MS plate (36 meter height) along with complete flue line etc.	1 No.
6.	Fuel line with fuel pump starting from the day tanks (Complete systems).	3 Nos.
7.	Complete electrical systems supporting the above work of steam generation and distribution such as, electric panels/ MCC, starters, utility panel, power/control/ instrumentation cabling, earthing, temperature controllers, instrumentation etc to make the system complete starting from MCC/ PCC panel of Boiler room.	Lot
8.	(a) Complete piping system for supplying Steam & hot water to various consuming points/ equipments	1600 RM

	along with piping accessories, valves, traps, pressure gauges, condenser to return piping etc. The piping installed are mild steel seamless pipes (scheduled 80 of IS 6392) ranging from 15 mm dia to 200 mm dia. (b) And condensate return piping from 15 mm dia to 150 mm as per above specification and accessories. dia.	4800 RM
9.	Air Compressors (Ingersol Rand make) with their allied piping network for Lab & Animal House.	02 Nos.

B. LIST OF MAJOR EQUIPMENTS OF FUEL OIL HANDLING/ SUPPLY SYSTEMS:-

1.	HSD Tank 75KL capacity	3 Nos.
2.	Pumps with 1 hp motor along with electrical system for 1 No. HSD Tank of 75KL capacity for supplying to the Day Tanks of 1 No. 500KW Silent Type DG-Set kept in building of the Laboratory & Animal House and 1 No Incinerator in Incinerator building.	2 Nos.
3.	Pumps with 3 hp motors along with electrical system for 2 Nos. HSD Tanks of 75KL capacity each for supplying to the 3 No. Day Tanks of 3 No. Boilers of the Laboratory & Animal House.	2 Nos.
4.	Piping network along with accessories, gauges, valves etc. for receipt of the fuel in 3 X 75 KL HSD Tanks, Storage and handling of fuel and supplying to various Day Tanks as described above and their return line with dia 15 to 50 mm and total 1600 RM approx. Complete system outdoor and indoor. Structural covers over various pumps and electrical panels and pipe trench..	Lot
5.	All electrical cables, panels, controls etc. right from the main electrical panel supplying power to the above complete installation.	Lot

Note: The above list of items are not exhaustive and there are several minor items associated with above major listed plants/equipments which also to be maintained by the Contractor.

BRIEF DESCRIPTION OF STEAM GENERATION AND SUPPLY:

The boilers (2 working + 1 stand by) take water from a surge tank (part of this work) and through transfer pumps transfer it to De-aerator. The feed water pumps take water from De-aerator and supplies to steam Boilers. The high pressure steam produced from the Boilers are fed to 3 No. pressure reducing stations from which one line of medium pressure steam is supplied to 3 No. heat exchanger (part of this work), they convert cold water to hot water by steam heating and supply to hot water supply, industrial hot water supply, hot water to Re-heat coils of AHU's for HVAC system (The water supply outlet to heat exchangers are under other scope) etc.

The second line of low-pressure steam from pressure reducing station (PRS) supplies steam to the de-aerator of these boilers. The third line of medium pressure steam supplies steam to various equipments such as sterilizers (autoclaves), dryers, washers (mainly glass washes, case and rack washing equipment) situated in different parts of the building as well as 2 No. pressure reducing stations to supply low pressure steam to humidifiers of various Air Handling Units (AHUs) of HVAC system.

SCOPE OF WORK

The scope of work includes the Operation and Non-Comprehensive Maintenance of complete Steam Boiler systems, Steam Generations, Steam distributions along with its complete steam distribution piping network, condensate return pumps network, complete Fuel Oil Storage and Handling system with all the storage tanks, pumps and fuel oil supply piping network etc. The scope of work as mentioned below are the minimum expected from the successful bidder apart from break-down maintenance work and any other work required for operation and comprehensive maintenance of steam generating boilers with allied accessories, steam distribution piping network the scope also includes the proper operation and comprehensive maintenance of fuel storage and handling system mentioned in equipment list, in the Laboratory & Animal House building and power house DG set building.

1. The contractor has to carry out the preventive maintenance on each item of the equipment and system as per the best of engineering practices and as per the operation and maintenance manual of respective equipments available with NIB. The break down repairs has to be carried out with the utmost speed to bring back the system into operation immediately.

(a) Routine/daily Maintenance Work:

- (i) Clean the all 03 nos. boilers and its allied accessories with cotton cloth.
- (ii) Check the all Safeties & Safety valves of the Boilers and Boiler Plant.
- (iii) Check the De-aerator tank water level.
- (iv) Reading the various parameters like temperature, pressure, steam pressure & temperature etc. of Boilers and its others allied accessories, checked and recorded in log books, provided by the contractor.
- (v) Check the supply of the Steam and Hot water. If there is any variation/leakage found, rectify on priority basis.
- (vi) Check the all gauge glasses.
- (vii) Check the HSD tank oil level.
- (viii) Clean the rear sight glass if found dirty.
- (ix) Check the fuel pressure set. Keep the furnace and burner equipment clean, repair any leaky joints without delay.

(b) Weekly Maintenance Work:

- (i) Check and clean Nozzles of the boilers.
- (ii) Check and clean the burner of the boilers.
- (iii) Check and clean the all Safeties of the boilers plant thoroughly.
- (iv) Check the all pneumatic valves & other different sizes of valves.
- (v) Check the all steam traps.
- (vi) Check the all pumps & motors of boilers plant and fuel storage & handling area.
- (vii) Check the all flanges. If packing found damage, then replaced with new one.

(viii) Check the all the complete electrical systems supporting the work of steam generation and distribution such as, electric panels/ MCC, starters, utility panel, power/control/ instrumentation cabling, earthing, temperature controllers, instrumentation etc.

(ix) Check feed pump filter, clean if required.

(x) Check the ignition electrode and air diffuser plate and any deposits removed.

(c) Monthly Maintenance work:

(i) Check & Clean All Pressure reducing stations for various purpose steam supply, steam Traps, Moisture separator, safety relief valves and various other types of valves, and piping system with their accessories and insulation, Air vent etc. & changed the gland packing of the said valves.

(ii) Check and clean the De-aerator tank and its accessories.

(iii) Check and Clean the Boilers shell and boilers tubes with wire brush & cotton cloth.

(iv) Check & greasing/lubrication of all pumps & motors bearings.

(v) Check and clean Air compressors of Atlas Copco make.

(vi) Check the all CRP pumps.

(vii) Check the Water Level controller assembly and make it clean & free from deposits.

(d) Quarterly Maintenance Work:

(i) Check and de-scaling the all heat exchanger of boiler plant.

(ii) Check the gland of the pumps.

(iii) Check the Economizers of the boilers.

(iv) Check the Chemical dosing system of the De-aerator tank.

(e) Half Yearly works

(i) Cleaning of all Heat Exchanger if required de-scalar chemical to be used

(ii) Cleaning of Economizers if required de-scalar chemical to be used

(e) Yearly Maintenance:

(i) Clean and de-scaling the all Boilers with de-scalar chemical.

(ii) Check all the insulation of the pipe, heat exchangers etc. thoroughly, if damaged that replaced it.

(iii) Check the electric installation thoroughly.

(iv) Check that the feed water tank is open, interconnecting piping between tank and pump is clean and water supply is satisfactory.

(v) Painting one time in year of all Panel, fuel pipe lines, Pumps& Motors, base channel, boiler plant equipment etc.

2. For the proper operation and preventive maintenance, the contractor has to prepare and give the (A) Daily (B) Weekly (C) Monthly (D) Quarterly and (E) Annual schedule within two weeks of receipt of work order and get it vetted by NIB. During course of operation and preventive maintenance, this schedule would

keep on amending as per requirement. These must include keeping the equipment as well surrounding neat and clean. They shall carried out various check on steam side, lubrication, Seals / gland packing, equipment alignment, foundations, bolts annual overhauls, electrical motor, cable connections, earthing system, checking of overload relays, terminal connectors earthings, lugs and thimble, writing name of equipments where ever worm out and any other work associated with operation and maintenance.

3. The operation & routine maintenance of air compressors & water softening plant are included in this contract.
4. U.P Pollution control board for gaseous emission rules and other statutory engineering practices as per boiler regulations. For fuel Storage/ handling/ supply system, the system has to be kept as per the requirement of chief controller of explosives (CCOE), Nagpur/ Agra. The gaseous emission has to be regularly checked and data given to NIB for sending to UPPCB.
5. For this boilers and its accessories installation, the periodic approval of the statutory bodies such as Boiler Regulatory Authority, U.P, Pollutions control board, CCOE etc shall be deemed to be included in the contract. The contractor shall notify NIB in writing about such approvals to be taken and inform the compliance of the same as and when required. NIB will sign required application / paper work and the fees paid for periodic approval to the statutory bodies as per the challan will be reimbursed to the contractor by NIB. However, the contractor will take the entire responsibility to deal with the statutory body/ authority and obtain the renewal of the certificate/ approval by these authorities within the time period.

Further it may be noted that if any penalty charged by the above concerned authority/statutory bodies due to delay in periodic renewal etc. shall be paid by the firm/contractor himself and no re-imburement for the same will be given the by NIB. Any kind of fee/charges/ liaisoning charges other than periodic renewal fee paid against the challan, will be not reimbursed by NIB to the firm/contractor/agency.

GENERAL TERMS & CONDITIONS OF THE CONTRACT FOR OPERATION AND ROUTINE/COMPREHENSIVE MAINTENANCE FOR BOILERS/ STEAM GENERATION AND DISTRIBUTION SYSTEM AS WELL AS FUEL OIL STORAGE HANDLING/ SUPPLY SYSTEM.

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. The list of major equipment of whole system are giving in ANNEXURE-I

1. The firm / agency / contractor who wishes 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, which are not listed in ANNEXURE-I, but are part of the complete system. 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 NIB. 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, oil filter, fuel filter, electric contractor, indicating lamp, HRC fuse, relays, nut bolts, grease, gland packing, gasket(different sizes), oil seal, o-ring, bush, insulation , cabling, earthing are covered under day to day maintenance of boiler plant & its accessories and fuel storage handling system etc. and provided by the firm/agency/contractor and a minimum quantity of such material may be kept at NIB site to minimize time of maintenance. Necessary welding works of piping (SS in Lab. & Animal House Building) and in the boiler plant as per requirement are in the scope of contractor.
4. **Comprehensive Contract:** All spares/consumables of boilers and accessories, fuel handling system, steam & hot water piping with accessories as mentioned in ANNEXURE-I shall be provided by the firm/ agency/ contractor for the systems under the scope of comprehensive maintenance of the all 03 nos. boilers and its accessories, fuel handling system, steam & hot water distribution system with its piping network. All spares parts and materials shall be used genuine and of same type and make as installed and a minimum quantity of spares and materials for routine and comprehensive maintenance may be kept at NIB site to minimize time of maintenance.

The firm/ agency/ contractor has to keep all the equipments well maintained for each of the systems. If the equipment/part is not repairable, the contractor shall be changing that part to bring the system in running/working condition under the comprehensive contract. If fail so or delay in the put back the system in working condition, a suitable penalty may be imposed on the contractor/firm.

5. Care should be taken so that the system doesn't leads 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.
6. 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.
7. The contractor/firm/agency has carried out the de-scaling of boilers, heat exchanges etc. as per schedule mentioned in Annexure-II. For Operation & non-comprehensive maintenance contract, the de-scalar chemical will be provided by the NIB and all other tool tackles/manpower under the scope of the contractor.
8. The contractor/firm/agency has to carry out the painting of boilers & its accessories, pipelines, MS channel in boiler plant once in a year. The paint will be provided by the Institute under the non-comprehensive contract.
9. The contractor shall have to deploy the following manpower during the period of contract for whole work in day shift , 9:30 Am to 5:30 PM (including Saturday, Sunday and Gazette holidays):

S.N.	Details	Category	Nos.	Minimum Qualification	Experience
1.	Boiler Supervisor	Highly-Skilled	01	2 years ITI in fitter/mech. & 1 st or IInd class certificate as per IBR norms	3 to 5 years in operation & maintenance of boilers plant
2.	Boiler Operator	Skilled	01	1 st & 2 nd class certificate as per IBR norms	2 to 3 years in operation relevant
3.	Electrician	Skilled	01	2 years ITI in Electrician	2 to 3 years in relevant field
4.	Fitter	Skilled	01	2 years ITI in Fitter	2 to 3 years in relevant field

5.	Welder (IBR class)	Skilled	01	ITI in Welder	2 to 3 year in Arc,Argon,TIG ,carbon steel and alloy steel welding
6.	Helper	Semi- Skilled	02	10 th pass	1 to 2 years in boiler plant

10. The contractor shall have to deploy the following manpower in Additional Shift of 08 Hours (**including Saturday, Sunday and Gazette holidays**):

S.N.	Details	Category	Nos.	Minimum Qualification	Experience
1.	Boiler Supervisor	Highly-Skilled	01	2 years ITI in fitter/mech. & 1 st or IInd class certificate as per IBR norms	3 to 5 years in operation & maintenance of boilers plant
2.	Boiler Operator	Skilled	01	1 st & 2 nd class certificate as per IBR norms	2 to 3 years in operation relevant
3.	Electrician	Skilled	01	2 years ITI in Electrician	2 to 3 years in relevant field
4.	Helper	Semi-Skilled	01	10 th pass	1 to 2 years in boiler plant

Note: Welder will work in whole day shift during General Shift including Saturday, Sunday and Gazette holidays as well as in Shift duty for welding and other relevant welding works in Boiler Plant, Fuel handling system as well as also any other welding work like welding of SS pipelines of different sizes in Lab. & Animal house, MS pipelines, any other welding work in the premises of the NIB. The welding work may also be carried out in odd hours or in night to seen the urgency of that work. **The contractor shall arrange/provide the welding machine, welding tools & tackles and welding electrode for the same. No extra cost will be paid by the NIB for the same.**

11. Further for break down and preventive maintenance, manpower as per requirement has to be deployed in the job without any cost of NIB. All of them should be technically qualified to operate the systems and attend to repairs / maintenance work of these systems. At least one helper also has to be provided for assisting them as and when required. Any other manpower required shall be made available by the firm /agency / contractor for proper functioning and maintenance. Proper supervision of firm / agency / contractor's senior engineers has to be provided to over see the whole work for smooth operation and maintenance services as and when necessary but at least twice a month and they will record their findings in the log-books.

12. The contractor shall take all necessary safety precaution for his workers working inside the NIB premises and shall be responsible for any first aid/emergency treatment for his employees/workmen deployed by him. **First Aid box shall be arranged by the Contractor at the site of work. No extra payment shall be made by the NIB.**
13. The boilers along with its steam supply systems will be running about an hour prior to the working hour of the Institute so that these are ready during working hours. If required by NIB for exigencies, the plant could be operated on holidays and extended running hours also. Generally holidays (Saturday, Sunday & Gazette holiday) should be utilized primarily for the maintenance purposes. The rate shall be quoted separately for all these Plant systems for Single Shift working and Additional Shift working as per Performa mentioned in **ANNEXURE-V**.
14. Care shall be taken so that the systems do not lead to major breakdown. In the event of any breakdown, the same will be rectified immediately failing which such rectification may be done at the risk and cost of the firm / agency / contractor. Similarly, if any breakdown takes place due to negligence to firm / agency / contractor, the whole component has to be replaced / rectified to bring to the original condition immediately.
15. Rates should be quoted in figure as well in word as per **ANNEXURE -V**. Once the rates are quoted, it shall not be withdrawn at any stage.
16. The Director, NIB reserves the irrevocable authority to accept or reject any tender in part or whole without assigning any reasons.
17. No addition / alteration / deletion in tender document is allowed. The tenderer shall send the original tender documents duly signed and stamped by them in each page in token of acceptance of all the conditions of this tender. Deviations if any or any additional matters may be mentioned on a separate deviation sheet (as per **ANNEXURE-IV**) and enclosed with the offer. Each deviation from conditions of tender document shall show the respective clause number of particular items of work, page no. and the **ANNEXURE** no. to co-relate. Major deviations may cause rejection of the offer.
18. No advance payment will be made in any circumstances. However, on successful completion of every month, payment will be released within 15 days from submission of bill.
19. All pages of the tender document should be signed and stamped by the authorized signatory of the firm and enclosed in sealed Envelope No.1 in original along with deviation sheet (**ANNEXURE-IV**) if any. **ANNEXURE-V**, which is the Price-Bid (Part A & B) format shall be photocopied and after filling up the prices on the photocopy this shall be duly signed and stamped by the authorized signatory and enclosed in sealed *Envelope No.2*. The original *Annexure-V* shall remain part of

tender document kept in Envelop no-1 duly signed and **stamped without filling** as a token of acceptance of the proforma.

20. Late tender / unsigned quotations may be rejected.
21. No correspondence will be entertained in this regard unless otherwise sought from tenderer by this office.
22. In case of a local firm / agency / contractor, they may deliver/ submit the tender personally in NIB **TENDER-BOX** on or before the due date and time. Postal delay for tender submitted by post shall also not be accepted and all tenders submitted in time only would be considered.
23. The services required are initially for a period of one year. The contract may be extended on mutual consent subsequently. The contract may be terminated at any stage solely at the option of NIB with an advanced notice of one month without assigning any reason.
24. Precautions against any fire hazards or other damages to plant and equipment shall be taken by the firm. The contractor shall indemnify NIB from any encumbrances / loss in this account.
25. The firm/contractor/agency shall fulfill the requirement of various law enforcing agencies/local authorities etc. by their approvals as and if required.
26. Electricity, HSD and water for this work will be provided by NIB free of cost. The furniture for sitting purpose of their deputed staff should be provided by the firm / agency / contractor.
27. The firm / agency / contractor will be responsible for the safety of the manpower deputed during the performance of their duty at NIB site. The contractor shall be fully responsible for any liability/compensation in case of any accident whatsoever, or otherwise or any incident/accident for the staff deputed by the firm, and NIB shall not be liable to give any compensation and NIB shall remain totally indemnified by the contractor.

Contractor must indemnify NIB through a legal indemnity bond (valid for the entire contract duration) of adequate value (duly notarized), as per Workmen's Compensation act of workmen insurance & compensation.

The contractor must also furnish written proof of adequate Insurance Certificate / Cover (valid for the entire contract duration) of all its workmen deputed at NIB.

28. In case any of staff is not found up to the mark and not able to do work properly, he will have to be changed as per the instructions of NIB. The staff has to maintain

- good behavior at site. Any person found discourteous or misbehaving shall have to be replaced immediately. Decision of NIB shall be final and binding on the contractor/firm.
29. In case of any problems with the equipment the firm/ agency/ contractor deputed staff will keep NIB informed immediately.
 30. All disputes are subject to DELHI Jurisdiction.
 31. The tender shall remain valid for acceptance for period of 120 days from the date of opening.
 32. The firm / agency / contractor shall keep all the equipment well maintained, neat and clean including the plant room itself and adhere to the maintenance schedule of various equipment. Open placement of work order they will prepare the maintenance schedule and discuss the same with NIB's engineer for its implementation. This may be revised from time to time as per the requirement.
 33. **Special Requirement:** The Boilers and its accessories are supplied and installed by M/s Forbes Marshall / J N Marshall Ltd. Therefore, it has to be ensured by the firm / agency / contractor that the major maintenance/ overhauling/inspection work of these equipment and their allied accessories are carried out by the manufacturer or their authorized firm / agency. Even if there is no problem, these equipment have to be got thoroughly checked by the manufacturer or their authorized firm / agency once in a year on chargeable basis within the contract period (need to be intimated to the NIB prior to carrying out such inspection) and supporting bill alongwith the service reports including physical condition of the boilers has to be submitted to NIB for reimbursement and record.
 34. If the contractor fails to supply/ generate proper steam and supply fuel oils to NIB system for more than 6 hours due to any failure of the Steam generating distributing system and Fuel Oil storage handling system a sum of Rs. 1000/- per hour of such failure will be deducted from the payable amount of the contractor.
 35. In the event of any damage caused to the installation due to negligence, carelessness or inefficiency of the staff, the contractor shall be reasonable to make good the same. Decision of the NIB's shall be final and binding on the contractor for carrying out suitable recovery.
 36. The rates shall be inclusive of Sale Tax, Excise duty, and work contract Tax or any other taxes, duties, levies etc. Even if there are any variations in these during the contract period, the rate shall remain unchanged and no additional payment can be claimed.
 37. The tender shall remain valid for acceptance for a period of 120 days from the date of opening.
 38. Location where the work has to be executed is National Institute of Biologicals, A-32, Sector-62, Noida (UP).

DEVIATION SHEET

(Deviation from tender conditions may be mentioned clearly giving clause No of items, page No and ANNEXURE No to co-relate. Major deviations may cause rejection of tender. More sheets can be added if required).

Sr.No.	Item no and page no.	Details of Departure	Reason for Departure

*Signature of the Tenderer and seal
(Name & Designation of the authorized signatory)*

Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating 'No Deviation'.

PRICE - BID

(This Annexure -V has to be photocopied and price to be filled in the said photocopied price-bid proforma and enclosed in envelop-no 2. The original Annexure-V has to be returned back without filling as a token of acceptance of this proforma)

“OPERATION AND MAINTENANCE OF STEAM GENERATING BOILERS WITH ALLIED ACCESSORIES, STEAM PIPINGS AND DISTRIBUTION IN THE LABORATORY & ANIMAL HOUSE AND FUEL OIL STORAGE AND HANDLING/ SUPPLY SYSTEM (Excluding break down maintenance and routine inspection services of Atlas Copco make 02 nos. Air Compressors).” As per this TENDER DOCUMENT INCLUDING ANNEXURE -I, II & III and IV.

Srl. No	Description of work	Charges Per Month in both figure & words (In Rs.)
1(A)	<p>Monthly Charges for Operation and Maintenance of Steam Generating Boilers with Allied Accessories, Steam Pipeline Network and Distribution in the Laboratory & Animal House and Fuel Oil Storage and Handling/ Supply System as per Work Schedule and Description of System Specified including all taxes and levies, profit & overhead (including working tools & consumables) except Service Tax for <u>General Shift</u> (in all days including Saturday, Sunday & Holiday).</p> <p><u>The manpower for General Shift will be 01 Supervisor, 01 Boiler Operator, 01 Electrician, 01 Fitter, 01 Welder, and 02 Helper.</u></p>	Rs...../-
1(B)	<p>Monthly Charges for Operation and Maintenance of Steam Generating Boilers with Allied Accessories, Steam Pipeline Network and Distribution in the Laboratory & Animal House and Fuel Oil Storage and Handling/ Supply System as per Work Schedule and Description of System Specified including all taxes and levies, profit & overhead (including working tools & consumables) except Service Tax for 01 (One) <u>Additional Shift</u> in all days including Saturday, Sunday & Holiday.</p> <p><u>The manpower for each Additional Shift will be 01 Supervisor, 01 Boiler Operator, 01 Electrician and 01 Helper.</u></p> <p>(For bid evaluation purpose - additional 02 Shifts will be in operation for 04 months of the year and its cost will be considered)</p>	Rs...../-

2.	Total Per Month [1(A) + 1(B)]	Rs...../-
3.	Service Tax@.....% on Srl.No. 2	Rs...../-
4.	Total of S.No. 2 + S. No. 3	Rs...../-
5.	<i>% Overheads required by the bidder, if any, over the Bill Value to be charged in case Spares Parts need to be procured from the Market for maintenance on specific instructions of NIB. However, the bill value should not exceed the MRP of the Item bought and supporting documents for MRP will need to be submitted for claiming re-imbursement of the bill. [Please note that all charges like Cost of Procurement, VAT/CST, Cartage, Insurance, etc. will be deemed to be covered under the % overheads to be charged by the contractor]. To be quoted in % only.</i>% over the bill value
6.	<i>Value of Overhead cost for Bid Evaluation purpose assuming annually spares consumption of Rs. 3.00 Lakh = % of Rs. 3.00 Lakh (inclusive all taxes).</i>	Rs...../-
7.	Total of S. No. 4 + (S.No. 6 divided by 12) for evaluating the Lowest Bid.	Rs...../-

(Name & Designation of the authorized signatory)

Notes: -

1. The quoted prices are valid for 120 days from the due date of opening of the tender.
2. **Manpower in Additional Shift {as mentioned at 1 (B)} one/two will be deployed as per site requirement of the Institute. Payment for one/two additional shift will be made as per actual deployment of manpower in that period.**
3. The contract period will be initially one year period unless prematurely closed as per clause mentioned in the NIT. The contract can be extended for a further period of 2 years based on satisfactory performance of the contractor.
4. **The tender not fulfilling the Central Minimum Wages criteria as per Ministry of Labour, Govt. of India, for NOIDA- 'A' Category, the submitted tender shall be rejected.**

5. Minimum wages are to be complied with- the contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and contractor labour (Regulation and Abolition) Act, 1970, amended from time and rules framed hereunder and other labour laws affecting contract labour that may be brought into force from time to time as applicable in Ministry of labour, Govt. of India.
6. If, there is any variation in minimum wages by Ministry of Labour, Govt of India, for NOIDA-Á' category during the contract period, the monthly contract price/rates will be revised based on any increase/ decrease of minimum wages for which necessary documentary proof will be furnished by the contractor.
7. **The contractor should submit the price break-up based upon the minimum daily wages for NOIDA- 'A' Category (as per Ministry of Labour, Govt. of India) for quoted rates to be enclosed with the price-bid, which will be taken as part of bid evaluation.**
8. The require consumable/spare to be arranged/supplied by the service agency. The cost of the consumable/spare plus % of overhead cost will be reimbursed to the service agency subject to maximum MRP of the item bought, and the documents in support of MRP will be submitted alongwith bill/invoice by them.
9. All routine working consumables like Cleaning cloth, Cleaning consumables, Nut Bolts, Gland packing, Gasket, Tools, Grease, Lubrication Oil, Brushes, Emery Paper, Lapping paste etc. and which are not going permanently into the installation will be deemed to be covered under the charges as quoted and will be supplied by the contractor to his workmen.
10. Director, NIB has the authority to periodically appoint Technical Auditor or some other agency to evaluate the maintenance work done by the contractor and recommendations made thereof for compliance in letter and spirit. This is primarily to ensure that the Reliability of the system is not compromised with due to lack of Maintenance.
11. **Late tender will not be entertained.**

*Signature of the Tenderer and seal
(Name & Designation of the authorized signatory)*

Form of Performance Security (Guarantee) Bank Guarantee Bond

To

**M/s National Institute of Biologicals,
A-32, Sector-62,
Noida-201 309 (U.P.)**

In consideration of the National Institute of Biological having offered to accept the terms and conditions of the proposed agreement between _____ and _____ (hereinafter called "the said Contractor(s)") for the work _____ (hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. _____/- (*Rupees* _____ *only*) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We, _____ (*indicate the name of the Bank*) (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. _____/- (*Rupees* _____ *only*) on demand by the Government.

2- We, _____ (*indicate the name of the Bank*) do hereby undertake pay the amount due and payable under this guarantee without demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____/- (*Rupees* _____ *only*).

3- We, the said bank further undertake to pay to National Institute of Biologicals any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

5- We, _____ (*indicate the name of the Bank*) further agree that the guarantee herein contained shall remain in full force and effect during the period the would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Government certified that the terms and conditions of the said agreement have fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.

- 6- We, _____ (*indicate the name of the Bank*) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission contractor on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
- 7- This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
- 8- We, _____ (*indicate the name of the Bank*) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
- 9- This guarantee shall be valid up to _____ unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____/- (*Rupees _____ only*) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____ for _____ (*indicate the name of the Bank*).

For and on behalf of Bank

Issued Under Seal