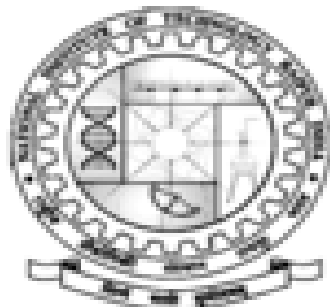


No./NITRR/Central Store/Security/2016/2577

Dated:27/12/2016



**NATIONAL INSTITUTE OF TECHNOLOGY
RAIPUR(CHHATTISGARH)**

TENDER FOR FIRE FIGHTING WORKS:-REPAIR, REPLACE, INSTALLATION, FEBRICATION, TEST&TRIAL, CALIBRATION, OPERATION AND COMMISSION OF THE COMPLETE FIRE FIGHTING SYSTEM (FIRE PUMP HOUSE/ WET RISER/ YARD HYDRANT SYSTEM/ HOSE REEL/AUTOMATIC FIRE DETECTION SYSTEM)

Last Date of Submission of Bids: 19/01/2017 Upto 03:00 PM

Date of Opening of Bids : 19/01/2017 at 03:30 PM

NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR.

G.E.ROAD

RAIPUR-492010

CHHATISGARH.

TENDER FOR THE FIRE FIGHTING WORKS:-REPAIR, REPLACE, INSTALLATION, FEBRICATION, TEST&TRIAL, CALIBRATION, OPERATION AND COMMISSION OF THE COMPLETE FIRE FIGHTING SYSTEM AND FIRE DETECTION SYSTEM IN H-HOSTEL OF THE NITRR.THE ESTIMATED VALUE OF THIS TENDER IS APPROXIMATELY TWENTY FIVE LAKHS.

Time- Schedule

S.No.	Description	Date	Time
1	Pre-bid meeting at the premises	10/01/2017	03:00 PM
2	Receipt of bids	19/01/2017	03:00 PM
3	Opening of Bids	19/01/2017	03:30 PM
No Bid will be accepted after the expiry of the above mentioned time schedule			

1. OBJECTIVE / SCOPE

Sealed tenders are invited from the firms who are either manufacturing /supplying/maintaining/repairing/servicing/installing//testing/operating of Firefighting System, valid for 90 days from the date of opening, for repair, replace, installation, fabrication, test & trial, calibration, operation and commission of the complete fire fighting system and the fire detection system in the NIT Raipur.

2. Contact Details :

For all tender related queries bidders can contact **Security officer, NIT Raipur** or email to their official email address bnayak.so@nitrr.ac.in.

3. COST OF THE TENDER

A. Alternatively, tender document may be downloaded from NITRR website www.nitrr.ac.in and a Demand draft of Rs. 1000/- may be submitted along with the bid in favor of Director NIT Raipur.

4. DEFINITIONS AND ABBREVIATIONS

Term “Bidder” used in this document means the firm /company/ organization/ manufacturer/ dealer/partner who has submitted the bid.

- FY: Financial Year.
- NITRR: National Institute of Technology Raipur.
- VAT: Value-added Tax
- CST: Central Sales TAX
- PAN: Permanent Account Number
- IT: Income Returns
- Premises: NITRR Boys hostel-H.
- FF: Firefighting system including all the related sub-system
- EMD: Earnest Money Deposit
- SD: Security Deposit
- BG: Bank Guarantee
- TA: Technical Annexure
- FA: Financial Annexure
- TEC: Technical Evaluation Committee
- FEC: Financial Evaluation Committee
- Contractor: Successful bidder whose bid has been found technically fit with the lowest rate.
- WO: Work Order
- SO: Security Officer

5. PREQUALIFICATION CRITERIA:

1. The bidder must have valid Sales tax registration, service tax registration, PAN no. The agencies should submit duly acknowledged copy of Income Tax return filed during the previous three financial years.

2. The agency should not be blacklisted by any of Government/ state Government/PSU/University/ IIT/NIT/IIM/IISER.(Affidavit must be attached for this purpose)

3. The agency should not been punished/penalized by a way of imprisonment. (Affidavit must be attached for this purpose)
4. The agency should not have any legal suit/criminal case pending against its proprietor/partners or having been earlier convicted on grounds of moral turpitude or for violation of laws in force. (Affidavit must be attached for this purpose)

TECHNICAL CAPACITY:

EXPERINCE:

1. The Bidder should have a minimum 07 years experience in the field of fire fighting works/ services/projects i.e. design, installation, testing, trial, operations, training, refilling, repair and commissioning of fire fighting project work. Experience of having successfully completed similar works during last 07 years ending last day of month previous to the one in which applications are invited should be either of the following: -

1. The bidder should have the experience of completion of similar works in any one of the below mentioned in any Government State or Central Departments/Autonomous Institutions/Universities/Public Sector Undertakings of the Government of India.

3. Three similar works completed costing not less than the amount equal to 40 % of the estimated cost quoted by Bidder.

OR

4. Two similar works completed costing not less than the amount equal to 50 % of the estimated cost quoted by bidder.

OR

4. One similar works completed costing not less than the amount equal to 80 % of the estimated cost quoted by bidder.

***Note-Similar works means carrying out/carried out / providing fire fighting works/service/fire fighting projects- only.**

5. Ongoing contracts (Running Contract): The firm should have ongoing contracts (running contract) in at least one centrally/PSU/State funded Technical/Educational/Research/Atomic-Energy/Defense/Hospital-sector or any other sector/Institutions in central or state/PSU in Chhattisgarh state.

6. Fire Fighting Training: The agencies should have ability to provide fire fighting training as per the client's requirement. The agency should have supervising staff having the good practical as well as theoretical knowledge to identify, handle and operates the fire fighting extinguishers and control the fire.

FINANCIAL CAPACITY: Average Annual financial turnover of fire fighting works during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost.

1. Annual Turnover: The bidders should have the minimum average turnover of at least 30% of the estimated cost quoted by bidder during the last **three** financial years (2011-12, 2013-14, 2015-16.) in fire fighting works/service/projects business. For which the bidder should submit the copy of audited balanced sheet for the Financial Year 2011-12, 2013-14 & 2015-16. Failing which the same shall be treated as void. (Furnish Copy of Return of income along with Audit Report as obtained. u/s/ 44 AB of the I.T. Act.).

2. Financial Solvency Certificate: The bidders should have a solvency of Ten Lakhs Rupees. A certificate to this effect may be enclosed from the Banker.

Note-i:-In proof of having fully adhered to the minimum eligibility criteria of all the **PREQUALIFICATION CRITERIA** the agencies should have proper Registration, License and other necessary certificate and necessary documents.

Note-ii- The above mentioned **MINIMUM ELIGIBILITY CRITERIA** are mandatory for all the bidders. If any information given by the bidder to qualify for the **MINIMUM ELIGIBILITY CRITERIA** is found false at any stage of assessment, even after assessment and during the contract period, the tender shall be rejected and NIT, Raipur will forfeit the entire earnest money and security money deposit (SMD) and the NIT Raipur will declare the agency as a black listed.

8. EARNEST MONEY DEPOSIT:

This bid should be accompanied by an **Earnest Money Deposit of 3% of the quoted estimated cost by bidder** in the form of Bankers Cheque/Demand Draft with a validity of 90 days. The Bank Draft /Demand Draft shall be in favour of Director, NIT Raipur, Payable at Raipur issued from any Nationalized Bank. The bids without Earnest Money shall be summarily rejected. No claim shall lie against the NIT, Raipur in respect of erosion in the value or interest on the amount of earnest money deposit or security deposit.

9. PERFORMANCE SECURITY:- To ensure due performance of the contract, performance security is to be obtained from the successful bidder @ 5 % (Five Percent) of the contract value in the form of Fixed Deposit receipt form (As per the GFR -2005, Rule-157) with validity of one year.

10. FORFEITURE OF PERFORMANCE SECURITY:- During the warranty period if any defects observed in the fire fighting system in the H-Hostel, the same will be intimated to the contractor by telephone/Email/ in writing. After receiving a complaint from the SO NITRR, the contractor has to attend that complaint immediately within 24 hours. The contractor has to rectify the said defects and has to carry out the necessary repair, replace, installation, fabrication, test & trial work and make the system operational without claiming any single money from the institute. If the contractor fails to attend the complaint and fails to carry out the necessary repair /replace/installation, test & trial work and fails to make the system operational within the 48 hours w.e.f. after receiving the complaint date & time from the SO NITRR, then it will consider it a breach of contract and the institute has right to forfeit the whole SMD of the contractor.

11. PAYMENT:- The institute will not pay any advance payment to the agency. The payment will be made/release only after on completion of whole work i.e. after repair, replace, installation, test & trial, operation and commissioning of the complete fire fighting and fire alarm system.

12. WARRANTEE: - i) The agency who so ever will carry out the task has to provide minimum **One year** warrantee assurance period for his installed/replaced fire fighting equipments & its accessories and minimum **Five year warrantee assurance period** in writing for all the installed CO2 Type & Foam type fire extinguisher. The proposed new CO2 type & Foam type extinguishers must be as per the Bureau of Indian Standards (BIS) IS Mark IS 15683:2006 (Seize **Fire/safe guard/ Safex/ Vijaya / Minimax**). During this warrantee period if any fire extinguisher found leakage/burst/technical fault/pressure not hold then the contractor has to replace a new fire cylinder without claiming any single money from the institute otherwise it will consider as a breach of contract Act. The institute has rights to take necessary action against the contractor.

ii) The agency who so ever will carry out the task has to provide warrantee assurance in writing for the operational condition of the complete system. The warrantee assurance period must be **minimum Six month** or until handing over of the system for **Annual Maintains Contract (AMC)**.

iii) The agency who so ever will carry out the task for refilling/recharging of fire extinguishers has to provide minimum **One year warrantee assurance** period for the recharged/refilled fire extinguisher. The **One year warrantee assurance** period must be in writing for all the refilling/recharged fire extinguishers.

13. RETURN OF EMD:

EMD, without any interest accrued will be refunded as follows:

- a. In the case of those Bidders who fail to qualify the eligibility criteria, and whose technical bids do not qualify, EMD will be refunded without any interest accrued within one month of the acceptance of TEC's recommendations.
- b. In the case of those Bidders who are not empanelled, EMD will be refunded without any interest accrued within one month of the acceptance of FEC's recommendations.
- c. In the case of Bidder whose tender bid has been accepted for empanelment, EMD will be refunded on receipt of SD.

14. FORFEITURE OF EMD:

- A. If during the tender validity period, the Tenderer withdraws his tender, its EMD shall be forfeited.
- B. In case of successful bidder, if such bidder fails to sign the Contract/Agreement in accordance with the terms of the contract and to commence the work as stipulated in accordance with the terms of the contract, its EMD shall be forfeited.

15. TIME SCHEDULE:

S.No.	Description	Date	Time
1	Pre-bid meeting at the premises	10/01/2017	03:00 PM
2	Receipt of bids	19/01/2017	03:00 PM
3	Opening of Bids	19/01/2017	03:30 PM
No Bid will be accepted after the expiry of the above mentioned time schedule			

16. PANEL VALIDITY

Sl. No.	Item	Value
1	Validity of bids	180 days
2	Validity of empanelment	
3	Extension	

17. VISIT TO SITE

Intending tenderer shall visit the site and make him thoroughly acquainted with the local site condition, nature and requirements for the rectification, replacement, installation, testing and operation of fire fighting works involved in the systems.

18. Pre-BID Meeting

- A. A prospective Bidder requiring any clarification on the tender document may submit the queries at the NITRR's e-mail address only, followed by signed copies to be submitted during the pre-bid meeting.
- B. It is bidder's responsibility to ensure that these queries reach NITRR office as per time schedule indicated in the following Time Schedule para.
- C. The queries must be submitted in the following format in MS Word / MS Excel format.
- D. (a) Name & Address of the Organization submitting the request.
(b) Name & Position of the Person submitting the request
(c) Contact details of the Organization/Authorized Representative viz. Telephone /Mobile no., Fax No., Email ID etc.
(d) Points on which clarification is required.
(e) Subject matter of such e-mail should be "FIRE FIGHTING: tender"
- E. Pre-bid meeting will be open to only those bidders who have intimated NITRR well in advance regarding their intent to attend the pre-bid meeting.
- F. Maximum of two (2) persons from one bidder will be allowed to sit in the pre-bid meeting. Only queries received through e-mail will be taken up for clarifications.
- G. Corrigendum, if needed, will be published on the NITRR website: only as per the time schedule mentioned below.

19. SUBMISSION OF BID

- A. The bidder must submit the bid in three envelope first envelope containing EMD amount in favor of “Director NIT Raipur” the second envelope shall contain technical details of the company /firm i.e. work experience certificate , work in hand .documents related to financial aspects, VAT ,Service tax registration,ITR of last three years. The third envelope shall contain financial bid as enclosed with the tender document FA -A(Section-A) & FA-B (Section-B). All the three envelope must be kept in fourth envelope duly mentioning the NIT Ref. No. & Name of Work on the fourth envelope.
- B. It is bidder’s responsibility to ensure that its bid has been received in NIT Raipur central store office as per the stipulated date & time.
- C. In case, the day of bid submission is declared Holiday by Govt. of India, the next working day will be treated as day for submission of bids. There will be no change in the timings.
- D. Tender bid must contain the name, office and after office hours addresses including Telephone number(s) of the person(s) who are authorized to submit the bid with their Signatures. A certificate from bidder’s HR/ legal department must enclosed with the bid certifying that the person(s) who signed the bid is an authorized person on behalf of company.
- E. Un-signed, un-stamped and without certificate for authorized person from bidder’s HR /legal department bid shall not be accepted.
- F. Bids not submitted as per the specified format and nomenclature will be out rightly rejected.
- G. Ambiguous bids will be out rightly rejected.
- H. NIT Raipur will not be responsible for any delay on the part of the vendor in obtaining the terms and conditions of the tender notice or submission of the tender bids.
- I. The offers submitted by telegram/ fax/ E-mail etc. shall not be considered. No correspondence will be entertained on this matter.
- J. The basic prices in Indian rupees should be quoted separately for each set of items given in “TA: annexure” Installation charges at sites and Warranty etc. Excise duty and Sales tax and any other tax as applicable should be quoted separately, failing which these are not payable extra.
- K. At any time prior to the deadline for submission of the bids the NITRR may, for any reason, modify the tender documents by suitable amendments.
- L. The amendments pursuant shall be notified in writing or by Fax to all the Tenderers who have purchased the tender documents and shall be binding on them. Tenderers will be required to acknowledge the receipt of any such amendment to the bidding documents, and shall submit the same with their tender duly signed.
- M. Any amendment, addenda or corrigenda to these tender documents, if issued by the NITRR, must also be signed & stamped and submitted along with the tender documents.
- N. Agency has to complete the tender (Technical and financial) in full fledge; otherwise the tender may be rejected by the NITRR.

20. BID OPENING PROCESS:

- A. In case, it is found that the bidder has not submitted the bid as per para “Bid Submission”, its bid will be rejected.
- B. Envelope no.1 containing EMD will be opened first and the opening committee will check for the EMD instrument.
- C. Envelope no.2 containing documents submitted against Eligibility Criteria will be opened in respect of only those bidders whose EMD have been found in order. Subsequent scrutiny of the enclosed document will be taken by the TEC later on.
- D. Envelope no.3 containing financial bid submitted against “FA: Annexure” will be opened in respect of only those bidders whose bids have been technically fit by the TEC.
- E. One authorized representative of each of the bidder would be permitted to be present at the time of aforementioned opening of the bids.

21. TECHNICAL EVALUATION PROCESS :

- A. A duly constituted Technical Evaluation Committee (TEC) will evaluate Technical Bids on the basis of technical parameters.
- B. Time schedule for such technical testing will be worked out by TEC in consultation with the bidder. Once the time schedule is finalized, it is bidder’s responsibility to adhere to this time schedule. If require the Bidder is supposed to bring its own test, measuring equipment and technical manpower, to NITRR as per schedule to be intimated to them. In case the vendor fails to bring and demonstrate the working of quoted products within the time frame given by NITRR for evaluation, the bid may be rejected.
- C. For Technical evaluation, bidders have to ensure the availability of appropriate specialist, along with every type of documentation required, from their organization for interacting with TEC & evaluation team. In case a bidder does not make the required specialist along with proper documentation available, then such defaulting bidder shall be taken off the tender evaluation process and the bid will stand rejected.
- D. Bidders are advised to ensure that the systems if asked to bring for evaluation, conforms to all technical parameters and is a tested system.
- E. TEC may visit the vendors’ premises for technical demonstration/evaluation if required.
- F. The NITRR will borne the expenditure towards traveling, boarding & lodging of its technical officials visiting for technical demonstration/evaluation. (If require only).
- G. The short listed Bidders may be asked to bring one sample as chosen by TEC from the list of quoted products, as per specifications given in “TA: Annexure” for technical evaluation.(If require only).
- H. The contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests of analysis have been made and materials finally accepted by the NITRR. The contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to

any corrective measures required to be taken on account of and as a result of testing of materials.(If require only.

- I. Wherever testing charges for getting the samples of materials/goods/articles tested in the testing laboratory approved by the NITRR, are required to be borne by the Tenderer as per norms/specifications and submit the test reports issued by the laboratory.(If require only)

22. FINANCIAL EVALUATION PROCESS:

- A. Financial Bid bid of only those Bidders found technically qualified by TEC will be opened in the presence of their representatives on a specified date and time to be intimated to the respective Bidders by the NITRR.
- B. If NITRR considers necessary, Revised Financial Bids could be called for from the Technically short-listed Bidders, before opening the original financial bids for recommending the final empanelment. In the event of revised financial bids being called the revised bids should not be higher than the original bids except in case of change in Government levies, otherwise the bid shall be rejected and EMD forfeited.
- C. There will be no negotiation regarding the financial bid.
- D. Lowest Quoting Bidder will be selected as per the FA: Annexure FA-A & FA-B . the lowest shall be reckoned on overall value quoted for FA-A (Section-A) & FA-B (Section-B) .
- E. The NITRR reserves the right to ask the justification of quoted rates by the agency before finalization and as required working site may also be visited by the officials of the NITRR.

23. PANEL FORMATION:

- A. **Only one bidder will be kept on the panel.**
- B. On receipt of 'letter of acceptance' the successful Tenderer will sign agreement on Rs.100/- stamp paper while entering into a Contract with the NITRR and on the date and time to be implemented by the NITRR for the purpose. Bidders are requested to sign each page of agreement as token of acceptance.
- C. The competent authority reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- D. In the event the bidder's Company or the concerned division of the Company is taken over/ bought over by another company, all the obligations and execution responsibilities under the agreement with NITRR, should be passed on for compliance by the new company in the negotiation for their transfer.
- E. The empanelled bidder has to honor all tender terms and conditions and adherence to all aspects of fair trade practices in executing the work order(s) placed by NITRR.
- F. **The empanelled bidder will be required to give SD as mentioned below along with acceptance of work order, within 15 calendar days from the date of work order. Security Deposit will be in the form of Bank Guarantee (BG) of any commercial bank drawn in the name of The Director, NITRR.**

- G. NITRR may, at any time, terminate the empanelment by giving written notice to the empanelled vendor without any compensation, if the empanelled vendor becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to NITRR.

24. ACCEPTANCE TESTING PROCESS:

- A. The ordered equipment must be supplied in full as per ordered configuration for acceptance.
- B. No equipment with short supply or alternate product with different technical specifications shall be taken up for conduct of acceptance testing under any circumstances.
- C. The acceptance tests will include running of the evaluation test was conducted during technical evaluation of the items quoted by vendor. The equipment must give same performance results as shown during initial Technical Evaluation tests.
- D. After the delivery of the equipment by the bidder, testing will be done by the team authorized by NITRR. An acceptance report will be generated and will be signed by the testing team and the bidder's representative. This report will be a part of the documents submitted for claiming the payment.

25. WORK EXECUTION CONDITIONS

- A. The bidder is advised in its own interest to visit/examine the site of work and its surroundings including start existing at site, methodology to be adopted for execution and availability of all materials and labour including electric power, water, existing road communication etc. before submission of the tender. They may obtain all the relevant information that would be necessary for preparation of the tender bid by visiting the site at their own expenses.
- B. The bidder shall make their own arrangements of accommodation outside campus of their staff deployed in the NITRR. No residential accommodation will be provided by the NITRR.
- C. Various work permits as applicable for the job with reference of safety precautions will be obtained from the NITRR before starting of the various works.
- D. All the working staff deployed by the contractor should well behave and act in decent manner and will not consume alcohol during the working hours.
- E. All the materials to be incorporated in the works under this contract must be standard quality/make as approved by the NITRR. As required, Testing of materials will be got done by the contractor at his own cost from any Govt. approved Laboratory.
- F. The NITRR shall not be responsible for any compensation which may be required to be paid to the worker(s) of the Tenderer/contractor consequent upon any injury/mishap during working hours. The agency has to provide medical treatment to workers in case of any injury to workers during office time.
- G. Contractor will be responsible to bring to immediate notice of the NITRR any abnormal functioning of faulty operation of any equipment and take timely steps to avoid breakdown/disruption.

- H. Contractor shall be responsible for any damage to the equipment, machinery or system on account of negligence/fault of the contractor's authorized staff and the same will have to be made good at his risk and cost.
- I. The supervisor will maintain daily log books/register showing daily progress report undertaken and get it duly verified from the NITRR.
- J. The contractor has to follow all electricity rules as amended from time to time and contractor shall be responsible for any mishap due to negligence on his part.
- K. It is expected that services to be rendered by the contracting agency would be a highly satisfactory in nature and any deficiency noticed by NITRR shall be attended immediately.
- L. The work should start immediately after the award of letter and must be completed within 30 days.
- M. The agency has to submit the working/pressure reports of installed equipments, fire extinguishers.
- N. **In case of fire, if the fire extinguishers do not work, legal responsibility will be of supplier.**
- O. Every activity in connection with the subject work shall be carried out necessarily with the prior permission of NITRR.
- P. Before commencement of work, contractors are required to fill up and get approval of "work permit" for working at height from competent authorities on daily basis. This is mandatory requirement when workers are working at height more than 5 feet from floor level.
- Q. If any hindrance occurs during the work, it should be noted in Hindrance register maintained by the contractor side and on the same basis time period for completion of the work shall be extended in that proportion only.
- R. The contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests of analysis have been made and materials finally accepted by the NITRR. The contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.
- S. If the contractor shall execute any work, not in ordinary working hours, in the absence of the NITRR staff or authorized representative and without having previously given him sufficient notice in writing that such work was about to be executed, he shall take up and reconstruct any work so executed at his own cost and expenses, if ordered to do so by the NITRR staff in writing under his hand.
- T. If the work is not of required standard or to the satisfaction of NITRR or if the contractor commits a breach of any of the terms and conditions, NITRR have the right to terminate the contract at any time by giving 1(one) months written notice of termination to the contractor and the Security Deposit, with EMD, available with NITRR shall be forfeited and the Agency will be black listed.

26. PENALTY:

SL. No.	Description	Rate
1	Failure in maintaining Delivery and installation Schedule	1. 0.2 % of WO value per day upto for 30 days. 2. After 30 days, NITRR may cancel WO and charge additional 10% of WO value as cancellation charges from security money/EMD. 3. In case the contractor does not complete the work within the given stipulated time period of completion of work, than NITRR shall have the authority at his discretion to get the particular work/works carried out through other agencies at the risk and cost of the contractor for which no separate note sheet shall be issued and extra cost incurred by NITRR in executing such work/works through other agency/agencies along with a penalty up to a maximum of 10% per day of the cost of work which will be recovered from the bills/security deposit of the contractor.
2	Maintenance during warranty period	If any of the item is down beyond 48 hours, penalty will be charged or recovered from out of withheld amount towards warranty per day per item at the rate of Rs.100/-.Maximum penalty during the warranty period will be limited to 2% of WO value in a year.
3	Replacement of the faulty system /equipments	Any product failing at least three times in three months, displaying chronic system design or manufacturing defects or Quality Control problem will be totally replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.
4	At the time of submitting bills	In case of absence of required documents at the time of billing the penalty @ 1%willbe deducted from the R.A. bills of the contractor.
5	Wrong and/or faulty supply	Failure to supply the ordered equipment as per the technical specification fixed during technical evaluation process will entail cancellation of the Work Order along with forfeiture of the EMD/Security Deposit. Further, NITRR can procure same items from alternate sources at the risk and cost of the defaulting bidder.

27. PAYMENT TERMS AND CONDITIONS:

- A. Contractor is required to submit the bill (induplicate along with measurement and user certificate). Payment will be made after certification of bill. The contractor should indicate their PAN number, Service Tax registration No., TIN No. etc. as applicable in all bills. The measurement for the payment shall be the quantities certified the NITRR.
- B. Taxes, duties, levies etc.: The contractor shall be responsible for the payment of all taxes, duties, levies etc. on all material/articles that may be used in this work.

- C. Deduction of Income Tax: NITRR will deduct income and any other tax applicable as per rule at source from all the payments to be made to the contractor under this contract in accordance with the provisions of Indian Income Tax Laws as applicable to the contractor from time to time.

28. ONSITE WARRANTY MAINTENANCE:

- A. **The 06 months for the system, 01 year for the other ff equipments and 05 years** for the new fire extinguishers shall be taken into account from the date of commissioning of the whole system and acceptance by NITRR.
- B. During warranty period, bidder must perform the following services apart from maintaining the equipment.
 - a. Visiting the premises to check the health of the equipment installed twice in a month.
 - b. Performing preventative maintenance once in a month.
 - c. Checking the fire extinguishers for Gas leakage once in a month.
- C. The bidder should fulfill the following conditions during warranty period:
 - a. Any failure in the system or a subsystem thereof should be rectified within maximum Period of 48 hours of lodging complaint falling which penalty will be imposed as per penalty Para and the institute has rights to forfeit the whole SMD of the contractor.
 - b. Any product failing at least three times in three months, displaying chronic system design or manufacturing defects or Quality Control problem will be totally replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.
 - c. Liaison with the local Fire Brigade Authority.
- D. On completion of the Warranty period, the Security Deposit, without any interest accrued, shall be released after satisfying that proper free warranty support has been provided during warranty period of three years for all the systems. If considered necessary, suitable amount of penalty shall be recovered from the Vendor out of either already due payments or from their Security Deposit, while releasing the Security Deposit.

30. GENERAL TERMS AND CONDITIONS:

- A. Conditional tenders shall NOT be accepted on any ground and shall be rejected straightway.
- B. If any clarification is required, the same should be obtained before or during pre-bid meeting only.
- C. Bidder shall furnish a compliance statement (Point-wise) of specifications & features of offered equipments/sub-systems with the Technical Bid. No deviations in terms & conditions of the tender document as well as technical specifications (on the lower side) will be accepted in any case.
- D. Bids not quoted as per the format given by NITRR will be rejected straightway.
- E. The bidder must quote for all the items mentioned in the: TA: Annexure” including Services. In case any item not quoted, the bid shall be summarily rejected.
- F. Bidders shall be excluded from participation in a procurement procedure if:

- G. They are bankrupt or being wound up, are having their affairs administered by the courts, have entered into an arrangement with creditors, have suspended business activities, are the subject of proceedings concerning those matter, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
- H. They have been convicted for an offence concerning their professional conduct by judgment which has the force of “res-judicata”;
- I. They have been guilty of grave professional misconduct proven by any means which the Contracting authority can justify;
- J. They have not fulfilled obligations in respect of payment of social security contribution or the payment of taxes in accordance with the legal provisions of the country in which they are established or with those of the country of the contracting authority or those of the country where the contract is performed;
- K. They have been the subject of a judgment which has the force of “res-judicata” for fraud, corruption, involvement in a criminal organization or any other illegal activity detrimental to the communities’ financial interests;
- L. Following another procurement procedure or grant award procedure financed by the community budget, they have been declared to be in serious breach of contract for failure to comply with their contractual obligations.
- M. The applicant company should have been black-listed/debarred in India or abroad for non-performance / non-delivery of assigned work.
- N. Any over-writing in the bid document shall entail rejection of such bid and the same shall NOT be taken up for further processing by NITRR.
- O. Vendor should not quote products which are nearly end of life during the **empanelment**. However if it happens, empanelled vendor will supply the next higher version of the technically accepted product at the same administered empanelled price.
- P. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the tenderer who resort to canvassing will be liable to rejection.
- Q. No sub-contracting shall be allowed.
- R. The Agency shall make the arrangements of accommodation outside campus of their staff deployed in the NITRR. No residential accommodation will be provided by the NITRR.
- S. All the working staff deployed by the contractor should well behaved and act in decent manner and will not consume alcohol during the working hours.
- T. The contractor will not be entitled for any compensation due to enactment of any law regulation etc. on account whether the same is/are enforced by state/ Central Govt. **during** the tenure of the contract. Any other Tax like Sales Tax on works contract. Tax of levy octroi, excise duty etc. on materials or any elements in respect of the contract shall be payable by the contractor and NITRR will not entertain any claims whatsoever in this respect. The contractor’s rates should cater for the same.
- U. No enquiry shall be made by the bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful bidder(s). However, the Committee/its authorized representative and office of NITRR can make any enquiry/seek clarification from the bidders, which the bidders must furnish within the stipulated time else bid of such defaulting bidders will be rejected.
- V. No deviations from these terms and conditions will be accepted. Any violation thereof will lead to rejection of the bid.

- W. The bidder shall indemnify NITRR against all third party claims arising from the use of the supplied equipment and related services or any part thereof. NITRR also stands indemnified from any compensation arising out of accidental loss of life or injury sustained by the hired manpower while working on the site.
- X. All the dispute arising due to breach of contract, the jurisdiction will be in Raipur Court.

31. TA: TECHNICAL ANNEXURE:

A. GENERAL

- a. All equipment shall be tested prior to installation.
- b. The manufacturer has to be present to provide the required technical support for the installer and the end user.
- c. The offered products/service shall carry **06 months, 01 and 05 year warranty** from the completion of work.

B. SPECIFICATIONS

Work under this scope shall be carried out strictly in accordance with specifications attached and all relevant latest Indian standards, National building code (NBC) – 2005, Part - IV, local fire approval authority and any other statutory bodies. Items not covered under these specifications shall be carried out as per specifications of the latest local fire officer's regulations with latest amendments as applicable in the contract.

Registrar
National Institute of Technology
Raipur

FA: FINANCIAL ANNEXURE:

A. Products and service Purchase: For supply, installation, testing and commissioning of the equipment as listed in TA and with 06 months, 01 year and 05 years warranty.

(Section-A)

Sl. No	Name of the Items	Make	Unit	Rate	Qty.	Estimated Amount
1	Supply and fixing of fire hose RRL type ISI marked 63 mm dia 15 mtr length fitted with heavy duty gun metal male female hose coupling ISI marked machine bound with GI wire -06					
2	Emergency Exit-Left,right,up,down and etc. Arrow-300 in nos. of each item Require as per the IS -9457:2005 and must be Photo luminescent Fire Safety signage must be (Highly Visible , even in dark) Should be from the below brands Glowlight/Agni/Ases/Minimax/Safex/Seize/Newage)					
3	Air Vessel –01- The Air Vessel shall be provided to compensate for slight loss pressure in the system and to provide an air cushion for counteracting pressure surges whenever the pumping sets comes into operation. Air vessel shall conform to IS: 4736. It shall be provided with a 100 mm dia flanged connections from pump, one 25 mm drain with valve, one water level gauge and 25 mm sockets, for pressure switches. The air vessel shall be tested to 10.5 kg / cm ² pressure. It is used for compensating slight losses in pressure, and is of size 250 mm diameter and 1500 mm long, with dished ends. Air Vessel consists of: Inlet Valve Drain Valve. This should be mounted on the delivery side of the pump.					
4	EMERGENCY-EXIT LIGHT with battery backup -Emergency Exit light: Double beam emergency rechargeable light with exit sign maximum backup 4 to 5 hour. Activate at the time of power failure. Exit board size length 160mmx breadth 115 mm, light size length 350mmx breadth 30 mm x height 10mm, EXIT LED HIGH GLOW RED LED- TOTAL 30 in nos. for all the floors.---30 in nos.					
5	TERRACE PUMP—01- For keeping the Wet Riser / Hydrant System in a pressurized state, one Booster					

	Pump to be employed of capacity 900 LPM with 35 MWC head at Terrace level of suitable HP. Monoblock type.(KIRLOSKAR) Supplying, Installation, testing and commissioning of electric drive terrace pump set, suitable for automatic operation consisting of the following: complete in all respect as reqd. a) Horizontal type, single stage, centrifugal split casing pump of cast iron, body & bronze impeller with stainless steel shaft, mechanical seal and flow of 900 LPM , 2950 rpm at 35 M head confirming to IS : 1520 b) Suitable HP sq induction motor TEFC type with suitable for operation on 415 volts $\pm$ 10%, 3 phase, 50 HZ A.C supply with IP 55 class of protection for enclosure , horizontal foot mounted type with class F insulation confirming to IS: 325 c) M.S. fabricated common base plate for motor and pump, coupling. Coupling guard, foundation bolt etc.as reqd. d) Suitable cement concrete foundation duly plastered with ant vibration pads. e) Automatic star delta starter suitable for terrace pump motor with single phase preventer, Ammeter and Voltmeter					
6	FIRE STAND---- Total 40- Fire Stand:-The stand must be very strong and should be able to hold four in number of water buckets and four in numbers of fire extinguishers. The stand should be painted with anticorrosion paint and coloured with red paint. The stand should have a top cover which will protect the extinguisher from rain water and written with - Fire point on top of the fire stand. The size of the stand should 04 feet height and 05 feet length with 10 mm thickness iron plate/angle bar.					
7	FIRE BUCKET-160 in nos. bucket requires for all the floors, kitchen, Dining halls (AS PER THE IS-2546-1974) Size of the Fire Bucket shall be minimum nine (9) liters. The material of construction shall-be galvanized Iron. The Fire Buckets shall be provided with anti corrosive treatment.					
8	FIRE BLANKET-30 in nos. blanket require for all the floors and kitchens) <u>Specification:</u> The nonflammable blankets should helpful in temperatures up to 900 degrees and should useful in smothering small fires by not allowing any oxygen to the fire. It should be made of silicon coated fire retardant material. The Sizes:-1.80m x 1.80m (6' x 6'). The Blanket should be made from silicone coated					

	woven glass fiber fabric (totally asbestos-free). The fire blankets can also be used to wrap around a person whose clothes are on fire The Containers should be wall-mounted. It should be easy and quick withdrawal of blanket from container.					
9	STREATCHER- Neil Robertson stretcher-01 Neil Robertson stretcher require for the in the hostel- The stretcher should be a product from -REHA MEDICO/ BADAMI & SON					
10	STREATCHER- Folding Stretcher---01 Folding Stretcher require for the in the hostel- Medifurnish 3 fold Alluminium folding type / Stretcher Canvas - Single Fold – Width wise Stretcher Canvas, Two Fold - Lengthwise & Crosswise/ Manufactured with aluminum Tubes 25 x 1.5mm, Washable cloth, with safety strips. Carrying capacity: - app.150 kg. Size: 2000(L) x 550(W).					
11	FIRE EXTINGUISHER-2KG-CO2 TYPE-30 in nos. for all the floors, dining hall, guest room and pump room- (as per the IS 15683:2006)					
12	FIRE EXTINGUISHER-4.5 KG-CO2 TYPE Total 30 in nos. for all the floors, kitchen and dining hall.--as per the IS 15683:2006					
13	FIRE EXTINGUISHER-9KG-CO2 TYPE- Total 15 in nos. for all the electrical panels in all the floors (as per the IS 15683:2006).					
14	FIRE EXTINGUISHER-9Ltrs.AFFF-FOAM TYPE--05 in nos.of extinguisher require for the kitchen (as per the IS 15683:2006)					
15	FIREMAN AXE--- Fireman Axe-07(As per the IS: 926-1985. The INSULATED HANDLE shall be of vulcanized rubber capable. of withstanding an insulation test - 20 000 volts for 60 seconds.)					
16	SMOKE-EXTRACTOR—01- NEWAGE/HONDA/SAFEX/MINIMAX/VIJAYA/C ROMTON-GRAVIER- HEAVY DUTY with sufficient suction/discharge hose.					
17	RESCUE ROPE –01- Dia: 10.5mm-length:-100 feet, Breaking Strength: 22 KN, Impact Force: 8.0 KN Knot Strength: 60-65 % Relatively High Elongation: 30-35 % (depending on the load) Critical Temperature: 240 ? F					
18	1st AID MEDICAL KIT—01- MEDICO 7500 SERIES					
19	FIRE SAFETY VARIOUS TYPE OF SLOGAN POSTER---- 50- It should be calendar size with laminated.					
20	Total amount for FA Section-A)					

FA: FINANCIAL ANNEXURE**B. Services required: (Section-B)**

Sl. No	Name of the Items	Estimated Amount
01	Checking, rectifying, repair, replace, servicing, overhauling, test & trial, calibration, operation and commission of the DD fire pump with replacement of necessary engine oil of required grade, air filter, oil filter cleaning of fuel strainer, servicing of injector flushing of radiator, filling of coolant, servicing of belt drives, changing rubber pipe & self. Twining of engine for proper functioning, sufficient suction and discharge pressure. Check, rectify, repair, replace and make it operational the Diesel engine Base frame and all accessories like NRV, Isolation Valve, Pressure switch, pressure gauge, flanged joints, PCC foundation, exhaust pipes with cladding and foundation bolts as per specifications in duty conditions and make ready for suitable for automatic-operation. Servicing of turbocharger, test running of diesel engine and setting of the Governor of desired speed as per maker's recommendations and test run to satisfaction of client. Checking up Diesel inline, battery connections and Fluid level and correct it, if necessary. The glands/packing of all the 03 pumps, valves shall be maintained in good condition and any leakage there in shall be stopped immediately. Starting mechanism of diesel engine must be checked and make it correct if necessary.	
02	Checking, rectifying, repair, replace, servicing, overhauling, test & trial, calibration, operation and commission of the Electric Motor Driven Jockey Pump complete with pump set, electric motor, base frame and all accessories like NRV, Isolation valve, pressure gauges, flanged end joints, PCC foundation and foundation bolts as per specifications in duty conditions, Proper Checking for functioning of the pumps and proper pressure testing. Starter contacts of all the 03 pumps shall be checked and be replaced if necessary. Insulation resistance of motors shall be checked and make it operational if necessary.	
03	Checking,rectifying, repair, replace, servicing, overhauling, test & trial, calibration, operation and commission of the Electric Motor Driven Main Fire Pump complete with pump set, electric motor, base frame and all accessories like NRV, Isolation valve, pressure gauges, flanged end joints, PCC foundation and foundation bolts as per specifications in duty conditions, Proper Checking for functioning of the pumps and proper pressure testing.	
04	Checking and rectifying, repairing testing and commissioning of Fire Pump MCC panel with all cabling connected with pump motors and instrumentation items as required to complete working of system if require.	
05	Checking and rectifying, cleaning, repairing testing of fire fighting panel including replacement of indicator amp. ampere mtr., bolt mtr, timer and making all connections that all pumps are work in auto mode.	
06	<u>Fire Hydrant with Hose Reel</u> - Checking repairing, replacing, testing including hose pipe, hose reel drum, jet shut off Nozzle, Branch pipe nozzle, cabinet door servicing, cleaning, painting, installation changing of gasket/ nut bolts.	
07	<u>Fire Hydrant System</u> a. Checking of system leakage & line pressure in all gauges and make it operational. b.Checking of hydrant valves washers and Brass lock and make it operational.	

	c.Checking of isolation valves for glands leakages and make it operational.	
8	Correct type of oil/grease must be used as per lubrication survey in the system and its equipments.	
9	In case of negative suction, leaking of foot-valve may cause serious problems for starting of pump in that case repair, replace, service, test & trial and make it operational.	
10	Auto filling arrangement for priming tank shall be ensured <i>and</i> make it ready. Water sump provided in the fire pump room to be check for any leakage and repair it if necessary.	
11	All pipe lines- a. For Hydrant pump, Jockey Pump, , including butter fly valves, NRV, CI Brackets and hook bolts, Servicing, checking, greasing and replacement of gaskets if require.	
12	OVER GROUND PIPING FOR HYDRANT SYSTEM-Repair, replace & trial and make it operational of the MS pipe including fittings like elbows / tees/flanges/tapers/nut & bolts/gaskets etc. on surface and providing cement concrete blocks as supports (if require)	
13	Checking, rectifying, repair, replace, test &trial and make it of Yard Hydrants single headed 63mm diameter landing valves.	
14	Repairing/replacing, installing and make it operational of all Pressure gauges of suitable range for pump sets and pipe lines for the respective floors near to the flow switches with Ball valves, siphon, Fittings like unions / colours / reducers etc.	
15	Repairing, replacing, testing and make it ready fire Brigade inlet with GM coupling.	
16	Repairing, replacing, fabrication and fixing of hydrant box made out of 1.2mm thick MS sheet of size 1500mm x 900mm x 600mm to accommodate two no's hose pipe and branch pipe double door with locking arrangement and 4mm acrylic sheet on front with writing "Break Glass in case of fire.	
17	Repair, replace, fabrication, panting, testing and make it operation of fuel tank (fabricating from 3mm MS sheet painting with two coats of synthetic enamel paint over a coat of primer) capacity 125 Its (fitted with Magnetic oil level indicator,	
18	CIVIL WORK-Repairing of terrace tank Water storage tank for work shall be carried out as per accordance with fire norms.	
19	Necessary civil /fabrication work to support fire main pipe line and ff system and its equipments will be in the Scope of contractor.	
20	Pump Room - general Civil work i.e. painting and cleaning in the Pump room.	
21	Repair and replacing defective pressure switches on pumps and pressure setting as per requirement.	
22	Providing markings on all pipelines inside pump room along with all pump room equipments and external equipments in bold Clear colour and BOLD letters with inlet/outlet arrows..	
23	Repair, replace, fabricate, install, test & trial and make it operation of defecated hose reel connections of risers and refitting same using forged steel fittings and new forged brass ball valves 25 mm dia using 25 mm pipes as required.	
24	MAIN CONTRAOL PANELS: ZONE CONTROL PANEL Repair, replace, servicing, test & trial and make it operational and maintenance of all the main and zonal control panel including repair and replacement of parts like resistances, condensers,LEDs, switching knobs, control panel, wirings, did odes zone cards, l.C's, batteries, Panel Boards, detectors, hooters, MCBs etc. SMOKE / HEAT DETECTORS Repairing, replacing, servicing, cleaning, testing and make it operational of all the	

	detectors fitted in the hostel. MANNUALCALL POINTS: Repairing, replacing, servicing, cleaning, testing and make it operational manual call points including replacement of front Glass if broken. 1. Repairing, replacing, servicing, cleaning, testing and make it operational of each detector in zone wise. 2. Repairing, replacing, servicing, cleaning, testing and make it operational of all batteries terminals. and complete battery back-up on load and changing current level. 3. Repair and replace of Manual Call points in MS boxes. 4. Repair and replace of fitting of Response Indicators. 5. Repair, replace and maintenance of batteries in fire alarm panels. 6. Dismantling, cleaning and refitting of smoke detectors installed on fire alarm system and testing for proper functioning. 7. Dismantling, checking, repairs and refitting of electronic hooters installed on fire alarm system and testing for proper functioning	
25	Repair, replace and fabrication of brackets for hanging fire hoses, branch pipe and fire axe and fixing the same in all hose cabinets all brackets to be duly painted in red colour.	
26	Painting (2 Coats) of complete pipeline including ff system fitted on the roof of the hostel, all floors in the hostel, pump room and the fire yard after applying one coat of red oxide primer	
27	Patching of wrapping coating missing at places on underground section of pipes after successful testing of underground section of pipes.	
28	Hydraulic pressure testing of hydrant pipelines on per floor basis / external pipes / risers	
29	Refilling and fixing ABC and DCP powder type extinguisher internally protected with anticorrosive treatment and hydraulically tested –Total 141 with certificate.	
30	Fire Hydrant Valve ---16 nos. Hydrant Coupling requires change and 08 nos. Fire Hydrant requires to repair/replace/change and makes it for the operational.	
31	Total Amount for FA (Section-B)	
32	Grand Total Amount of FA (Section-A) + FA (Section-B)	
33	Grand total amount in words for FA (Section-A) + FA (Section-B)	

The total amount for serial no. 32 & 33 should be inclusive of all taxes.

FORM – I

1. I/we have read and examined the notice inviting tender, schedule specifications applicable conditions of contract, clauses of contract schedule of Rates & other documents and all other contents in the tender documents for the work.
2. I/we agree to keep the tender open for **(90)** days from the due date of submission thereof and not to make any modifications in its terms and conditions.
3. **A sum of Rs.** ----- is hereby forwarded in Demand Draft/Bankers cheque of schedule Bank as earnest money. If I/we fail to commence the work specified I/we agree that the NITRR shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by it towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained.
4. I/We agree that if I/we fail to commence the work specified above, an amount equal to the amount of the earnest money mentioned in the form of inviting of tender shall be absolutely forfeited to the NITRR and the same may at the option of the competent authority be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said agreement and in the event of deficiency out of any other money due to me/us under the contract or otherwise.
5. I/we have signed and stamped each page of the tender document as purchased/downloaded from website as a proof that we have read, examined and understood all the clauses mentioned in the tender document.

Date :

Signature:

Name:

Designation:

Address:

PAN No.:

COMPANY NAME WITH SEAL:

FORM – II

1. Name of the company:
2. Address:
3. Phone No.:
4. E-mail:
5. Web-site:
6. Name of the person authorized to submit the bid

(Place and date) Name & Signature