

**INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH
GOREGAON (EAST), MUMBAI**

**TENDER DOCUMENT
FOR**

**Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at
IGIDR**

NIT No.: IGIDR/Tender/2022/ED/12 Date: 07.02.2022

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH

Gen. A. K. Vaidya Marg, Film city Road, Santosh Nagar, Goregaon (East), Mumbai-400065.

TELEPHONE: 022 6909 6200/502/9920153014. FAX: 022 6909 6399.

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI

Notice Inviting Tender

“NAME OF THE WORK: **“Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR”** at INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, GOREGAON, MUMBAI – 400 065.”

1. IGIDR invites sealed bids from reputed and qualified contractors for the following work:

Name of work	Estimated Cost (Rs.)	EMD (Rs.)	Completion period
(1)	(2)	(3)	(4)
Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR	6,55,000.00	Rs. 13,000.00	One Month

2. The tenders being invited for the above-mentioned work. IGIDR MUMBAI reserves its right to award the work to the successful bidder.
3. Bidder has to deposit Earnest Money of **Rs.13,000.00/-** (Rupees Thirteen Thousand only) along with the bid.
4. The EOI bids in two bid system are invited through two separate Emails to tender@igidr.ac.in : **“Email-1: EMD and Pre-qualification/Technical Bid”** and **“Email-2: Financial bid”**. Subject of email should be mentioned as **“Email-1: EMD and Pre-qualification/Technical Bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR”** and **“Email-2: Financial bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR”** respectively. **All the bid documents should be attached as a PDF document or zip file and the financial bid file should be protected with a password.**
5. Last date of submission of Tender document shall be up to 03.00 PM on 28th February 2022.
6. The institute reserves the right to reject any prospective application without assigning any reasons whatsoever.
7. Before quoting the rates, contractor should inspect the site and understand themselves about the nature and scope of the work.

REGISTRAR

SECTION 'A'

Letter of Offer

Date _____

To,
The Registrar,
Indira Gandhi Institute of Development Research,
Gen. A.K. Vaidya Marg, Film city Road,
Goregaon (East), Mumbai- 400065.

Subject: Tender for “Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR”
Reference: Tender Advertisement No. IGIDR/Tender/2022/ED/12 Dated 07.02.2022

Dear Sir,

With respect to your above-mentioned tender, I / We hereby submit my / our tender in the required format along with Company Profile and supporting documents.

Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the IGIDR the amount mentioned in the said Conditions.

I/We have deposited **NEFT/DD/FDR/BG** of Rupees Thirteen Thousand only or MSME exemption Certificate as an earnest money to the IGIDR, which will not bear any interest. Should I/We fail to execute the contract when called upon to do so. I/We do hereby agree that this sum shall be forfeited by me/us to the IGIDR.

I / We have carefully gone through the terms and conditions prescribed and I / We accept the same in to without any alterations / modifications.

Yours faithfully,

Signature

Name & seal of bidder

**To be submitted on company/firm letterhead.*

SECTION 'B'
GENERAL INSTRUCTIONS TO BIDDERS

Tender bids through email should be addressed to The Registrar, Indira Gandhi Institute of Development Research, Goregaon (East), Mumbai-400065.

1. Bidder has to deposit Earnest Money of **Rs.13,000.00/- (Rupees Thirteen Thousand only)** through NEFT/DD/FDR/BG to “INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH, MUMBAI” Account No. 010220100010001, IFSC code: BKID0000102, Branch name: IGIDR, Bank Name: Bank of India and UTR number with screenshot of transaction should be included in the part of tender document towards Earnest money.
2. The bidders registered under MSME are exempted for submission of EMD, but they should submit the necessary copy of the MSME certificate for exemption.
3. The tender bids in two bid system are invited through two separate Emails to tender@igidr.ac.in “**Email-1: EMD and Pre-qualification/Technical Bid**” and “**Email-2: Financial bid**”. Subject of email should be mentioned as “**Email-1: EMD and Pre-qualification/Technical Bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR**” and “**Email-2: Financial bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR**” respectively. **All the bid documents should be attached as a PDF document or zip file. In case bidder cannot attach single bid file to an email then they can split their bid and submit in multiple emails with mentioning in the email subject as Part-I, II, III.... etc.**
4. All the required documents should be scanned and merged either into a single PDF file or zipped into a single and attached to the respective Emails. **The Financial bid should be attached as a PDF document protected with a password and the password to be shared at the time of financial bid opening through online meeting. The vendor should keep their password securely with them and required to give only when asked in online meeting for financial bid opening.**
5. The bids will be received up to **03:00 PM on 28th February 2022**. Each copy of the tender document under their stamp and signature. No tender will be accepted after 03:00 PM on 28th February 2022 under any circumstances whatsoever.
6. The Email bid with subject “**EMD & Pre-qualification/Technical Bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR**” shall be opened by REGISTRAR or his authorized representative in his office on the next day 1st March 2022 at **12:00 PM**. Through online meeting platform. The link of meeting will be shared with participated bidders. In case, holiday is declared

by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time.

7. The Email bid with subject “Financial bid for Installation of additional firefighting Equipments at Cafeteria and Dining-kitchen at IGIDR” of only qualified bidders will be opened. The date of opening of price bid shall be informed by institute to the qualified bidders. The date of opening of financial bid and link for online meeting shall be informed by the institute to the qualified bidders. **The bidders should provide the password of financial bid PDF file during the opening of the financial bid. In case bidder can NOT provide password for financial bid at the opening then their bid shall be rejected.**
8. Tender bid shall remain valid for acceptance by the Institute for a period of Three months from the date of opening of the bid which period may be extended by mutual agreement and the bidder shall not cancel or withdraw the tender during this period.
9. The bidder must use only the tender forms issued by the Institute to fill in the rates. Any addition/alteration in the text of the tender form made by the bidder shall not be valid and shall be treated as null and void.
10. The tender form must be filled in English. If any of the documents is missing or unsigned, the tender may be considered invalid by the Institute in its discretion.
11. Rates should be quoted both in figures and in words in columns specified. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender void at the Institute's option. No advice whatsoever especially on any change in rate specifications after the opening of the tender will be entertained.
12. Each Page of the Tender document should be stamped and signed by the authorized person or persons submitting the Tender in token of his/their having acquainted himself/themselves with the General Conditions of contract. General specifications, Special Conditions, etc. as laid down. Any tender with any of the documents not so signed will be rejected.
13. A tender which is not accompanied by EMD will not be considered. The EMD will be returned to the bidder if their tender is not accepted by the institute but without interest. The EMD paid by the successful bidder shall be held/encashed by the IGIDR as security for execution and fulfillment of the contract. No interest shall be paid on this deposit. The EMD of the successful bidder may be converted into Performance Security Deposit. The security deposit of the successful bidder will be forfeited if they fail to comply with any of the conditions of contract. No interest will be paid on Security Deposit withheld by the institute.
14. Tender incomplete in any form will be rejected outright; conditional offers will not be accepted.

15. Institute does not bind itself to accept the lowest or any bid and reserves to itself the right to accept or reject any or all the tenders, either in whole or in part, without assigning any reasons for doing so.
16. Institute reserves the right to divide the work mentioned in the tender, amongst two or more bidders at its own discretion and the successful bidders will have to execute orders for part of the items placed with them at the quoted rates. Institute also reserves the right to increase or decrease the quantities and even omit any item of work after the order is placed and the Contractor shall execute the same without claiming anything extra for the same. In this context the rates quoted for each item must be self-supporting and relevant.
17. On receipt of intimation from the IGIDR of the acceptance of his/their tender, the successful vendor/contractor shall be bound to sign the formal Contract and within seven days thereof, the successful vendor/contractor shall sign an agreement and the Schedule of Conditions but the written acceptance by Indira Gandhi Institute of Development Research and the Contractor so, whether such formal agreement is or is not subsequently executed. The cost of necessary Stamp paper for execution of the agreement shall be borne by the successful vendor/contractor.
18. No bidder will be allowed to withdraw after submission of the tender: otherwise, the EMD submitted by the bidder would stand forfeited. In case, the successful bidder declines the offer of contract (or refuse to acknowledge or execute the contract within 15 days of award of order), for what so-ever reasons, their EMD will be forfeited.
19. The rates quoted in the bid shall include all charges like material rates, applicable GST, transportation, loading and unloading, any other tax and duty or other levy whether existing or future, levied by the Central Government or any State Government or Local Authority, if applicable. No claim in respect of GST or any other tax, duty or levy whether existing or future, shall be entertained by the Employer.
20. **The intending bidder can obtain any clarifications regarding the tender document, scope of work etc. if any by contacting to Mr. Amit Gaikwad (Estate Officer) on email amitg@igidr.ac.in or mobile – 9881070122 or from the Estate Department of the Indira Gandhi Institute of Development Research, Goregaon, Mumbai-400 065 on any Institute`s working day.**

I/We hereby declare that I/we have read and understood the above instructions and the same will remain binding upon me/us.

Place :

Signature of Bidder with seal

Date :

SECTION 'C'
GENERAL TERMS & CONDITIONS

Upon the declaration of an intending bidder to be the Successful Bidder by the Institute, they shall be subject to the following terms and conditions that shall form part of the Formal Contract to be executed with the Institute.

1. The successful bidder shall not assign the sub-contract. He shall not sublet any portion of the contract except with the written consent of the IGIDR. In case of breach of these conditions, the IGIDR may serve a notice in writing on the Contractor rescinding the contract.
2. The successful bidder must co-operate with the other contractor appointed by the Institute so that the work shall proceed smoothly to the satisfaction of the Institute.
3. The work must be carried out with least inconvenience to the staff.
4. The Contractor should note that unless otherwise stated the tender is strictly on item rate basis and his attention is drawn to the fact that rates for each item should be correct, workable, and self- supporting. The quantities in the Schedule of Quantities approximately indicate the total extent of work but may vary to any extent and may even be omitted thus altering the aggregate value of the contract. No claim shall be entertained on this account.
5. The contractor shall bring to the notice of the Employer in case of any extra items not mentioned in the schedule of quantities during the work progress and shall only carry out the same on written approval from the Institute.
6. The successful bidder is bound to carry out any or all items of work necessary for the completion of the job even though such items are not included in the quantities and rates. Schedule of Instructions in respect of such additional items and their quantities will be issued in writing by the institute. The rates for such extra items shall be worked out based on a rate analysis considering the basic material prices with market discounts plus labour cost plus the profit & overheads component of 15% over the material & labour cost.
7. The successful bidder shall comply with the Labour acts or any other Labour Laws in force from time to time for all the workers employed by him.
8. In case the successful bidder contravenes any provisions of the law, and the Institute suffers any damage or loss or harm due to any acts of commission or omission of the Contractor, the Contractor is bound to indemnify the Institute. The Contractor shall also be responsible for the discharge of all legal liabilities towards the Institute and for observing all laws and Government rules relating to labour laws.
9. The successful bidder must obtain permission from the local authorities as per the existing local bye laws for such works and the charges/fees if any, must be borne and paid by the contractor The

successful bidder should have valid labour license from Labour Commissioner wherever the number of workmen engaged is 50 or more.

10. The successful bidder shall have the addresses and photographs of their workmen being engaged by them for the said work. The entry of workmen will be allowed inside the building only on producing the photo pass issued by the Contractor/Institute.
11. In all matters of dispute arising on the work, the matter shall be referred to **The Registrar, Indira Gandhi Institute of Development Research, Goregaon** for a decision.
12. The successful bidder shall carry out all the work strictly in accordance with scope of work, specifications and as per detailed instructions of the Institute's Engineer. If in the opinion of the Institute's Engineer, changes must be made in the design and with the prior approval in writing of the Employer they desire the successful bidder to carry out the same. The Institute's Engineer's decision in such cases shall be final.

13. **Arbitration Clause:**

In the event that the Successful Bidder is not satisfied by the decision of the Registrar, Indira Gandhi Institute of Development Research, the dispute shall be settled by arbitration in accordance with the provisions of arbitration and conciliation act, 1996 or any enactment thereof. The Arbitral Tribunal shall consist of one arbitrator, to be appointed by the Institute. The place of arbitration shall be Mumbai and any award whether interim or final, shall be made, and shall be deemed for all purposes between the parties to be made in Mumbai. The arbitration proceedings shall be conducted in the English language and any award or awards shall be rendered in the English language. The procedural law of the arbitration shall be the Indian law. The award of the arbitral tribunal shall be final, conclusive and binding upon the Successful Bidder and the Institute.

14. **Insurance Clause:**

The successful bidder shall be responsible for all injury to person, animals or things and for all structural and decorative damage to property which may arise from the operation or neglect of himself or of any nominated sub-Contractor's employees, whether such injury or damage arise from carelessness, accident or any other case whatever in any way connected with the carrying out of the contract. The successful bidder must ensure necessary insurance covers for all the employees/workmen to be deputed on the site.

15. Defect Liability Period:

The defect liability period for the work done by the successful bidder should be for 12 months from the date of completion of work. Any defect or fault which may appear during 12 months from the date of virtual completion of work/or supply and installation in full as specified under the contract, arising in the opinion of the Institute's Engineer from materials or workmanship not in accordance with the contract, shall upon the directions in writing of the Institute's Engineer, and within such reasonable time as shall be specified therein, be amended and made good by the Contractor at his own cost and in case of default the Institute may employ and pay other persons to amend the make good such defects/faults and damages, loss and expenses consequent there upon or incidental thereto shall be made good and borne by the Contractor and such damages, loss and expenses shall be recoverable from him by the Institute, or may be deduced by the Institute upon the Institute's/Institute`s Engineers' certificate in writing from any moneys due or that may become due to the contractor. The contractor/supplier shall remain liable under the provisions of this clause notwithstanding the signing by the Institute's Engineer any certificate or passing of any accounts.

16. Performance Security Deposit (PSD):

The successful bidder will have to deposit a Contract Performance Guarantee of @ 5% of the total contract amount, subject to the revision at the time of placing the work order, within 7 working days of the receipt of the formal work order. The performance guarantee will be furnished in the form of an account payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from a commercial bank drawn in favour of “Indira Gandhi Institute of Development Research” payable at Mumbai. The performance guarantee should remain valid for a period of 60 days beyond the date of completion of work by the successful bidder. The security deposit of the successful bidder will be forfeited if they fail to comply with any of the conditions of contract. No interest will be paid on Security Deposit withheld by the Institute.

17. Payment Terms:

Payment shall be made to the contractor after successful completion of work on prorated basis within 15 working days of submission of certified invoice along with measurement book as per actual measurement of work done.

18. Completion Period:

The time allowed for the completion of work shall be **1 month** commence from 4th day of award of the work order or clearance for commencement of work, subject nevertheless to the provisions for extension of time.

19. Penalty Clause:

Time allowed for carrying out the work is 1 month, which shall be strictly observed by the successful bidder and it shall be reckoned from the 4th day of issue of work order. The work shall throughout the stipulated period of the contract be preceded with all the due diligence and if the Contractor fails to complete the work within the specified period he shall be liable to pay compensation at the rate of 1% per week subject to a maximum amount of 10% of the contract amount. The Tender shall before commencing work prepare a detailed work program which shall be approved by the Institute's Engineer. Any damage cause to any of Institute's properties shall be made good by the successful bidder at their own cost.

20. Termination Clause:

20.1 Without prejudice to any other remedy available to the Institute, in case of default on the part of the contractor in the performance of this contract or in the discharge of any contractual obligations arising out of this contract or if the contractor commits substantial breach of his obligations and such breach is not corrected within 7 (seven) days from the date of receipt of the notice specifying the breach, by the contractor, the Institute may terminate this contract by giving a 15 (fifteen) days written notice of intended termination to the contractor.

20.2 In the event of this Contract being terminated, the Institute shall be liable to make payments of the amount due under this Contract up to the effective date of termination for which services (including parts thereof) have been rendered by the Contractor subject to clause 20.5 hereunder.

20.3 Notwithstanding anything contained herein above, the Institute may terminate this contract at any time by giving one month's notice to the Contractor without assigning any reason thereof and without prejudice to the rights of the Institute to recover any money becoming due and payable to the Institute under this Contract. The Contractor may terminate this Contract at any time by giving two months' notice to the Institute without assigning any reason thereof.

20.4 Forthwith on the expiry or earlier termination of this Contract, the Contractor shall, return to the Institute all materials and equipment, belonging to the Institute regarding this Contract. The Institute

shall also intimate to the Contractor a time when it can collect its equipment stored in the Institute and the Contractor shall collect the same. If the Contractor does not collect its equipment by the appointed time, the Institute shall not be liable for the same thereafter.

20.5 Forthwith on the expiry or earlier termination of this Contract, the Institute shall determine the costs of execution, cost of remedying any defects (if any) and the cost of completion of the work (if required). The Institute shall be entitled to recover from the Contractor the extra costs, if incurred, after adjusting the same against the Performance Security Deposit made by the Contractor.

20.6 On the earlier termination of this Contract due to failure to discharge its duties, the Performance Security Deposit shall stand forfeited by the Institute.

I/We hereby declare that I/we have read and understood the above terms and conditions that form part of the Formal Contract to be executed between I/us and the Institute. The same shall be binding upon me/us upon being declared as the Successful Bidder.

Place:

Signature of bidder with seal

Date:

SECTION - 'D'
SPECIAL CONDITIONS

1. The workmen will not be allowed to stay within the premises. The workmen will be allowed to work in premises after 08:00 AM in morning and maximum till 07:00 PM in the evening.
2. The water required for the work or workmen cannot be availed from the site. Contractor has to make arrangements independently.
3. The electric power required for the work can be drawn from the supply available at site on the condition that expenses shall be borne by the contractor. The electric meter to be installed at the site by the contractor at his own cost.
4. The debris/dust or any wastage generated out of the above work shall be cleaned as frequently as required and as instructed by the Institute's Engineer away from the Institute's premises.
5. The work has to be carried out with least inconvenience to the staff.
6. Permission required from the local bodies, if any shall be obtained by the successful bidder at his cost.
7. The successful bidder shall employ adequate number of manpower as required for satisfactory fulfillment of his contractual obligations as per this agreement and shall provide adequate number of manpower with appropriate training and experience, at its own expense, for the proper discharge of the responsibilities entrusted to them.
8. The successful bidder shall decide the mode and manner of work to be done by his workmen.
9. The contractor shall before commence work submit a detailed work schedule/program which shall be approved by the Institute and the time schedule should be strictly adhered to.
10. The Contractor shall arrange to get all the samples of materials to be used in the work approved from the institute.
11. The debris/dust or any wastage generated out of the above work shall be cleaned as frequently as required and as instructed by the Institute's Engineer away from the Institute's premises.
12. The successful bidder shall only use the materials of brands approved by the institute.
13. Any damage cause to any of Institute's properties shall be made good by the contractor at their own cost.
14. The Contractor shall make their own arrangements for storing of their materials at site.
15. The contractor should submit the following documents within 7 days of issuance of work order.
 - a. Documents of workmen engaged mentioning their bio-data and photocopy of Aadhar & Pan Card etc.
16. Contractor shall keep the Institute indemnified against all claims, if any.
17. **Before quoting the rates, the bidder should inspect the site and understand themselves about**

the nature and scope of the work.

We hereby declare that I/we have read and understood the above terms and conditions that form part of the Formal Contract to be executed between us and the Institute. The same shall be binding upon me/us upon being declared as the Successful Bidder.

Place :

Date :

Signature of Bidder with seal

SECTION - 'E'

QUALIFICATION CRITERIA

- **Minimum Qualification Documents to be submitted by Bidder along with qualification Bid:**
 - a) The bidder should have minimum 05 year's experience for providing similar works during last 07 years.
 - b) The bidder must be an Authorized Licensed Agency for Firefighting (Detection & Extinguishers) system and Fire Hydrant Systems by Directorate of Maharashtra Fire Services- Govt. of Maharashtra. (Copy of all valid licenses should be submitted).
 - c) The bidder should be registered with the appropriate registration authorities. Copy of Registration under Shop & Establishment or Certificate of Incorporation or Partnership deed/affidavit/MOA to be submitted.
 - d) Copy of Registration of Provident fund and ESIC if applicable
 - e) Copy of Registration of Goods & Service Tax and PAN
 - f) The bidder should have an average annual turnover of **Rs. 10, 00,000.00** for the similar works of supply & installation of firefighting Equipments/systems only in the last 3 financial years. The bidder should submit the audited balance sheet; P & L account statements or CA Certificate for Turnover amount of last 3 financial years duly certified by CA.
 - g) The bidder should have experience in successful completion of work of installation of firefighting systems/equipments during last 07 years ending last month either of the following-
 - i) At least 01 similar work of costing not less than **Rs. 5,24,000.00** at any organization **or**
 - ii) At least 02 similar works of costing not less than **Rs. 3,28,000.00** at different organizations **or**
 - iii) At least 03 similar works of costing not less than **Rs. 2,62,000.00** at different organizations
(Copy of Work orders/completion certificates to be submitted).
 - h) The bidder will submit List of clients and copy of certificate of appreciation if any.
 - i) The bidder should have either the Registered Office or one of the Branch Office located in the territory of Mumbai, Mumbai suburban, Thane or Navi Mumbai districts.
 - j) The bidder should not be blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency (Submit Undertaking As per **Annexure-A**).

Bidders must submit documentary proof in support of meeting each of the above minimum qualification criteria. A simple undertaking by the bidder for any of the stated criteria will not suffice the purpose. All documentary proof must be listed on the letter pad of the company duly stamped and signed by the authorized person of the agency and attached as PDF file, to be submitted along with the qualification bid (Email-1).

- Information to be furnished by the bidder:

Sr. No.	Item	Information to be filled by Bidder
1	Name of the bidder	
2.	Address	
3	Telephone Number: Office /Residence: Mobile Number: Fax No. E-Mail address-	
4	Details of Registration (number & date)	
5	Month and Year in which the firm / company was formed/ incorporated.	
6	Type of organisation (Sole Proprietor, Partnership, Pvt. Ltd., Public Ltd., etc.)	
7	Enclose copy of partnership deed, Articles of Association or MOA or Affidavit (in case of firm)	
8	Average Annual Turnover of Last Three Financial Year (attached audited balance sheets & profit & Loss account statements)	FY 2018-19 FY 2019-20 FY 2020-21
9	Bank Account Details	Bank Name: Account Number: IFSC Code:

SECTION-'F'
TECHNICAL BID

• **Scope of Work:**

The detailed scope of work, Bill of Quantities and specifications are as follows-

Sr.No.	DESCRIPTION	Unit	Qty.
1	Supply and installation of Fire Resistive door (FRD) 45mm thickness in 2 halves for fire rating 120 minutes made up of wood and both side laminates. It includes Vision panel of Glass of size:8" X 12" on both halves of door, fixing on Floor springs-2 Nos. , Metal/GI sheet wrapping of 1 Feet on both sides at bottom of door, providing SS 'D' handle or SS plate for opening of door. Door Size: 5 Ft 6 inch X 7.00 Ft.	Nos.	1.0
2	Supply and installation of Fire Resistive door (FRD) 45mm thickness for fire rating 120 minutes made up of wood and both side laminates. It includes fixing of Godrej Mortise door lock (1 side key and 1 side knob), hinges, SS handle 'D' etc. Door Size: 3.00 Ft X 7.00 Ft.	Nos.	2.0
3	Supply and installation of Fire Resistive door (FRD) 45mm thickness for fire rating 120 minutes made up of wood and both side laminates. It includes fixing of Godrej Cylindrical lock (SS finish), hinges, SS handle 'D', tower bolt, etc. Door Size: 3.00 Ft X 7.00 Ft.	Nos.	1.0
4	Supply and installation of Fire Resistive door (FRD) 40-45mm thickness for fire rating 120 minutes, Hollow pressed steel, 0.8mm thk sheet , with wool insulation of suitable density and both side FR painted. It includes fixing of Aldrop, hinges, SS handles 'D', tower bolt etc. As per BIS476/IS3614. Door Size: 3 Ft 8 inch X 7.00 Ft.	Nos.	1.0
5	Fireproof (FR) partition/Paneling	Sq. Mtr.	10.0
	Providing and fixing Fireproof paneling/partition of Bison Sheet 12mm thick with necessary support from wall/ceiling of 75mmx35mm aluminum members provided at 600mm c/c work as per direction. Rate shall be inclusive of all necessary tools & hardware & scaffolding etc. complete.		
6	Fire Retardant Painting	Sq. Mtr.	120.0
	Providing & applying Fire retardant/fireproof paint on walls/partition, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface and staggging. Primer coat + minimum 2/ 3 coats to get evenly spread quality finish (roller finish) of approved make, quality & finish shall be provided.		
7	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock (Godrej-6 lever) for Gas bank. Size: 4.0 Ft X 3.0 Ft	Nos.	2.0

8	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock (Godrej-6 lever) for Gas bank. Size: 6 Ft X 3 Ft 6 inch	Nos.	1.0
9	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock (Godrej-6 lever) for Gas bank. Size: 4 Ft 8 inch X 3 Ft 6 inch	Nos.	1.0
10	Supply & installation of frame for FR doors (with cross section size 100X50 & 40 mm thk) as required including painting etc. (Only wherever required) Size: 3 Ft X 7 Ft.	Nos.	2.0
11	Supply, Installation, Commissioning & Testing of Heat Detectors for operating temperature range: -20 to 90 Degree Celsius, Humidity 0% to 95% RH, Rating IP 23D and UL listed/LPCB marked for kitchen areas.	Nos.	5.0
12	Supply & laying of Polycab make 4 Core, 1.5 sq.mm. stranded copper conductor, PVC insulated, shielded armored FRLS Red colour cable 650 V as per IS 1554 with GI saddle spacers, terminals, Ferruling complete.	Rmt	200.0
13	Supply of LPG Gas Leak Detector, Detection Range: 10 % LEL , Detection method: Natural diffusion, Gas sensor type: Semi-Conductor, Power Supply: 12 VDC or 24 VDC, Output: PFC relay (NO & NC), Working Temp.: 0 degree C to 50 degree C, complete with junction box & cable gland flame proof certified for IIA & IIB (PESO & BIS certified).	Nos.	6.0
14	Supply, Installation, Commissioning & Testing of fire alarm panel for Gas leak Detectors to suite the supplied Gas Detectors.	Nos.	2.0
15	Supply, Installation & Testing of conventional sounders 95 DB minimum at 10 feet.	Nos.	2.0
16	Supply & installation of ISI marked Type-K kitchen fire extinguisher of 6 Kgs. Capacity at Cafeteria and Dining-kitchen areas.	Nos.	5.0
17	Consultation charges and Liasoning work with providing 2 separate NOC's for Cafeteria and Dining-kitchen from Fire department/MGCM for canteen license. Providing Architect Layout Drawings one for Cafeteria and one for Dining-kitchen areas as required for canteen License.	Job	1.0
18	Providing Form "A" and periodically Form "B" certification for firefighting system for Cafeteria and Dining-kitchen from the Fire department.	Job	1.0

Notes:

1. Any civil work apart from the above BOQ if required shall be done by the Institute.

2. The successful bidder should submit necessary Certifications like PESO, BIS etc. for gas leak detector products and manufacturer/factory certificate for fire rating of wooden/metal doors and manufacturer certificate for fireproof paint.
3. The existing smoke detectors at Cafeteria and Dining-kitchen areas should be replaced by the heat detectors and integrated with the existing detection panel / fire alarm panel.
4. Official charges for fire compliances to be paid by the institute to fire department.

• **LIST OF PREFERRED BRANDS:**

Sr. No.	Particulars	Preferred Brand/Makes	Quoted Brand
1	Heat Detectors	Apollo / Honeywell / Hochiki / Ravel / Agni	
2	Gas Leak Detectors	Ambetronics / Vighnaharta / MSA / Uniphos or Eq. with PESO and BIS Certification	
2	4 Core, 1.5 sq.mm. stranded copper conductor, PVC insulated, shielded armoured FRLS Red cable 650 V as per IS 1554	Polycab or equivalent	
3	Fire alarm panel for Gas Detectors	Ambetronics / Vighnaharta or equivalent	
4	K-Type fire extinguisher	Safex / Safe-Pro / Safety-Plus or equivalent	
5	Conventional sounder	Ravel / Agni or equivalent	
6	Door Locks	Godrej	

• **SPECIFICATIONS:**

- **PAINTING AND FINISH COATING:**

Work Included: This section covers the surface preparation, field priming and field painting or finish coating of all plaster, concrete and metal surface, (both interior and exterior) as called for in the finish schedule. In addition, all surface, schedule or not, such as piping, tanks, equipment and machinery shall be painted when

called for in the finish schedule or in their respective section of these specifications. Contractor shall finish all labour materials, tools and equipment required to complete the work.

Surface not to be painted: The following surface shall not be painted stainless steel, aluminium, brose, copper, lead, brass, factory pre-finished surfaces and installed surfaces. In addition surface of steel member which ate to have concrete cast against them or are to be fully embedded in concrete shall be pointed.

- INDIAN STANDARDS AND CODES OF PRACTICE:

The book of specification and the various sections therein are intended for particular application to the tests/works under the contract. However the given specifications may not cover all the tests. Such tests, which are not covered in the specifications, shall be in accordance with the latest and most current revisions standards and codes of practice published by the **Bureau of Indian Standards, Manak Bhavan, 9 Bahadur Shah Jafar Marg, New Delhi** and available through their local branches.

In case of conflict between the Indian standards and the specifications included in the contract documents, the more stringent, shall prevail.

Related documents and their precedence

The items in specifications should be in conjunction with the relevant drawings, bill of quantities, general and special conditions of contract. In case of conflict between the specifications and other documents, the precedence shall be in the following order in priority: 1) special conditions of contract 2) bill of quantities 3) drawings 4) specifications 5) general conditions of contract.

- TESTING & INSPECTION:

The engineer may issue instructions requiring the contractor to open up for inspection any work covered up or to arrange for or carry out tests for work and the cost of such opening up or testing shall be borne by the contractor & shall be in accordance with the provisions of this contract.

• QUALITY CONTROL:

The Contractor shall include in his rates for all the items listed in this Section.

- GENERAL

The contractor shall provide and maintain an effective contractor quality control (CQC) program and perform sufficient inspections and tests of all items of work, to ensure compliance with contract documents. Includes surveillances and tests specified in the technical sections of the specifications. Furnish appropriate facilities, instruments, and testing devices required for performance of the quality control function.

- SCAFFOLDS AND LADDERS

Scaffolds and ladders used during the course of work wherever required shall be in accordance with IS: 3696 Part 1 and Part 2.

The scaffolding shall be designed and erected by the contractor in accordance with the requirements of the work, by experienced workers. All scaffolding material shall be in good serviceable condition and assembled to be stable in the conditions of the work being performed.

- MECHANICAL EQUIPMENT

Do not use mechanical equipment without the prior approval of the institute.

Do not use gas cutting and electric welding or cutting without the prior approval of the institute. Take special precautions to prevent fire if permission is granted for gas and electrical cutting and welding.

- PLANNING

Detailed planning should take the following matters into account

- Knowledge of hazardous operations.
- Requirement for equipment to ensure safe working, or ease of handling.
- The sequence of work and its phasing between contractors, to minimize the possibility of one contractor placing another contractor's men at risk.
- The need to provide information, instruction, and appropriate training, both on general site safety and on hazards specific in the site.
- The need for fire precautions and emergency procedures.
- Site security and foreseeable risks to the public, including the need for directional and warning signs.
- Safe access across the site for persons. Thought should be given to arrangement for keeping the site tidy, accommodation for site staff, welfare, first aid and other facilities.
- The provision of safe places of work at different stages of the job including the provision of scaffolding for several sub/works contractors.

- CO-ORDINATION

The site Manager/Supervisor must be totally responsible for compliance with health and safety code. The Manager must take suitable arrangements to ensure the effective co-ordination of the work of with other contractors on site. He should ensure that he is kept informed on a day to day basis, of progress and problems, which arise. Clear lines of communication should be set up between each contractor and the Safety Officer of the Main Contractor. Operatives must also know whom to contact over safety and health matters requiring action or a decision. Such effective co-ordination will be enhanced by ensuring that 'safety and health' figures prominently on the agenda of regular project meetings. Weekly report on safety must be submitted to the Project Controller in every Project Meeting.

- NON-COMPLIANCE OF SAFETY AND HEALTH PROVISIONS

The Compliances of the Safety and Health provision are of utmost important to the Client. The prospective contractors must do that the client will have a serious view of any non-compliance report of Safety Committee. Based on Safety Committee's report, the Client has right to order stoppage of work till rectification is carried out to the satisfaction of the Safety Committee and all stoppages on this account will be at the entire risk, costs and consequences of the Contractor.

- ACCIDENT PREVENTION ORGANISATION

FIRST AID KIT

Regardless of the number of employees there must be at least one first aid box on site. Every first aider and occupational first aider should have easy access to first-aid equipment, and provision should be made for every employee to have reasonably rapid access to first aid. Each box should be placed in a clearly identified and readily accessible location and contain a sufficient quantity of suitable first aid materials and nothing else. Boxes and kits should be checked frequently to ensure they are fully stocked, and all items are in a usable condition. Sufficient quantities of each item should always be available in every first aid box or cabinet. The first aid box or cupboard should protect the contents from dampness and dust and be clearly marked with a white cross on green background.

- FIRE PREVENTION

Electrical wiring equipment for heating or power purposes must be installed in compliance with the requirements. Internal combustion engine powered equipment must be located with exhausts well away from combustible materials. Smoking is to be prohibited in the vicinity of fire hazards, and such areas must be conspicuously posted. Care shall be taken properly to ground nozzles, hoses, or steam lines used in hazardous tanks or vessels.

- PERSONAL PROTECTION

Workers are often reluctant to use protection equipment. Such items should not only be suitable for their purpose but also be as comfortable as possible and acceptable to the workers concerned. Only then can efforts to ensure that equipment is worn or used prove successful.

All necessary personal safety equipment's (like Helmet, Safety belts, gloves, masks etc.) as considered adequate by the Engineer-in-charge shall be available for use of persons employed on the site and maintained in a condition suitable for immediate use, and the contractor shall take adequate steps to ensure proper use of equipment by those concerned.

* Those engaged in handling any material, which is injurious to eyes, shall be provided with protective goggles.

* Those engaged in welding works shall be provided with welder's protection eye-shields.

* The contractor shall not employ men below the age of 18 and women on the work of painting with products containing lead in any form. Whenever men above the age of 18 are employed on the work of lead painting, the following precautions shall be taken:

- (i) No paint containing lead or lead products shall be used except in the form of paste or ready.
- (ii) Suitable face masks shall be supplied for use by workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scraped.
- (iii) The contractor to workmen shall supply overalls and adequate facilities shall be provided to enable working painters to wash during and in cessation of work.

- HAND & POWER TOOLS

- Hand and power tools must be maintained in a safe condition, whether furnished by the contractor or by the employee. When power-operated tools are designed to accommodate guards, they must be equipped with appropriate guards when in use.
- All hand-held power tools must be equipped with a constant pressure switch that shuts off when the pressure is released. Electric power-operated tools shall be of the approved double insulated type or grounded in accordance with good electrical practice. Pneumatic power tools must be secured to the hose or whip by positive means. Safety clips or retainers must be maintained on pneumatic impact (percussion) tools to prevent attachments from being accidentally expelled.
- Pneumatically driven nails, staplers, and similar equipment provided with automatic fastener feed that operate at more than 100 psi pressure at the tool must have safety devices on the muzzle to prevent the tool from ejecting fasteners, unless the muzzle is in direct contact with the work surface.
- Hoses shall not be used for hoisting or lowering tools, and hoses exceeding ½ inch inside diameter must have a safety shutoff at the source of supply to reduce pressure in case of a hose failure.
- All fuel-powered tools must be stopped while being refueled, serviced, or maintained.
- Only trained employees may be allowed to operate a powder actuated tool. Such tools must be tested each day before loading to see that the safety devices are in proper working condition, in accordance with manufacturer's recommended test procedure. Tools shall not be loaded until just prior to the intended firing time. Neither loaded nor empty tools are to be pointed at any employee, and hands shall be kept clear of the open barreled end. Fasteners shall not be driven into very hard or brittle materials such as castiron, glass block, face brick, hardened steel, or hollow tile.
- For driving into materials that are easily penetrated, appropriate backing must be available to prevent the pin fastener from passing completely through.
- All employees using abrasive wheels must use eye protection, and other tools must be operated using appropriate personal safety equipment.

- LADDERS

Use of Ladders and Folding Step-Ladders

- This regulation applies to all ladders and pairs of steps but not roof ladders and crawling boards.

- Ladders Must:
 - i) be fixed near the top if practicable, or near the bottom if no: if suspended they must be secure.
 - ii) be placed (except when suspended) on a firm level base; they must not stand on loose packing (e.g.,bricks).
 - iii) be intermediately secured, where necessary, to prevent swaying and sagging, and
 - iv) be supported, or suspended, equally on each stile.

- If a ladder, standing on the ground, cannot be fixed to prevent slipping, then someone must hold it at the base when it is being used.

- A ladder which is not more than 3 m in length, need not be fixed or footed, provided it is securely placed to prevent it from slipping or falling. This exemption does not apply to ladders which are used as a means of communication between one working place and another, or to suspended ladders.

- Ladder must:
 - i) Extended at least 1.05 m above any landing place beyond the highest rung from which a person may be working or have a nearby handhold of equivalent height.
 - ii) To be placed so that there is space behind each rung for proper foothold (e.g., no rung should coincide with a scaffold tube).

SECTION - 'G'
FINANCIAL BID

Tender: Installation of Additional Firefighting Equipments at Cafeteria and Dining-Kitchen at IGIDR

NIT NO. IGIDR/Tender/2022/ED/12 Date 07.02.2022

Sr.No.	DESCRIPTION	Unit	Qty	Unit Rate	Amount (Rs.)
1	Supply and installation of Fire Resistive door (FRD) 45mm thickness in 2 halves for fire rating 120 minutes made up of wood and both side laminates. It includes Vision panel Glass of size:8" X 12" on both halves of door, fixing of Floor springs-2 Nos. , Metal/GI sheet wrapping of 1 Feet on both sides at bottom of door, providing SS handle 'D' or SS plate for opening of door. Door Size: 5 Ft 6 inch X 7.00 Ft.	Nos.	1.0		
2	Supply and installation of Fire Resistive door (FRD) 45mm thickness for fire rating 120 minutes made up of wood and both side laminates. It including fixing of Godrej Mortise door lock (1 side key and 1 side knob), hinges, SS handle 'D' etc. Door Size: 3.00 Ft X 7.00 Ft.	Nos.	2.0		
3	Supply and installation of Fire Resistive door (FRD) 45mm thickness for fire rating 120 minutes made up of wood and both side laminates. It including fixing of Godrej Cylindrical lock (SS finish), hinges, SS handle 'D', tower bolt, etc. Door Size: 3.00 Ft X 7.00 Ft.	Nos.	1.0		
4	Supply and installation of Fire Resistive door (FRD) 40-45mm thickness for fire rating 120 minutes, Hollow pressed steel 0.8mm sheet , with wool insulation and both side FR painted. It including fixing of Aldrop, hinges, SS handles 'D', tower bolt etc. As per BIS476/IS3614. Door Size: 3 Ft 8 inch X 7.00 Ft.	Nos.	1.0		
5	Fire Proof (FR) partition/Paneling	Sq. Mtr.	10.0		

	Providing and fixing Fireproof paneling/partition of Bison Sheet 12mm thik with necessary support from wall/ceiling of 75mmx35mm alluminium members provided at 600mm c/c work as per direction. Rate shall be inclusive of all necessary tools & hardware & scaffolding etc. complete.				
6	Fire Retardant Painting	Sq.Mtr	120.0		
	Providing & applying Fire retardant/fireproof paint on walls/partition, columns & ceilings. The rate shall include scrapping, levelling & preparing the surface and staggging. Primer coat + minimum 2/ 3 coats to get evenly spread quality finish (roller finish) of approved make, quality & finish shall be provided.				
7	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock(Godrej-6 lever) for Gas bank. Size: 4.0 Ft X 3.0 Ft	Nos.	2.0		
8	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock(Godrej-6 lever) for Gas bank. Size: 6 Ft X 3 Ft 6 inch	Nos.	1.0		
9	Supply, fabricate & Installation of FR doors of metal sheet/mesh (Partly/fully closed) with frame of Mild Steel including FR painting, SS Aldrop with Padlock(Godrej-6 lever) for Gas bank. Size: 4 Ft 8 inch X 3 Ft 6 inch	Nos.	1.0		
10	Supply & installation of frame for FR doors (with cross section size 100X50 & 40 mm thk) as required including painting etc. Size: 3 Ft X 7 Ft.	Nos.	2.0		
11	Supply, Installation, Commissioning & Testing of Heat Detectors for operating temperature range: -20 to 90 degree celcius, Humidity 0% to 95% RH, Rating IP 23D and UL listed/LPCB marked for kitchen areas.	Nos.	5.0		
12	Supply & laying of Polycab make 4 Core, 1.5 sq.mm. stranded copper conductor, PVC insulated, shielded armoured FRLS Red colour cable 650 V as per IS 1554 with GI saddle spacers, terminals, Ferruling complete.	Rmt	200.0		

13	Supply of LPG Gas Detector, Detection Range: 10 % LEL , Detection method: Natural diffusion, Gas sensor type: Semi-Conductor, Power Supply: 12 VDC or 24 VDC, Output: PFC relay (NO & NC), Working Temp.: 0 degree C to 50 degree C, complete with junction box & cable gland flame proof certified for IIA & IIB (PESO & BIS certified).	Nos.	6.0		
14	Supply, Installation, Commissioning & Testing of fire alarm panel for Gas Detectors to suite the Gas Leak Detectors.	Nos.	2.0		
15	Supply, Installation & Testing of conventional sounders 95 DB minimum at 10 feet.	Nos.	2.0		
16	Supply & installation of ISI marked, Type-K kitchen fire extinguisher of 6 Kgs. Capacity at Cafeteria and Dining-kitchen areas.	Nos.	5.0		
17	Consultation charges and Liasoning work with providing 2 separate NOC's for Cafeteria and Dining-kitchen from Fire department/MGCM for canteen license. Providing Architect Layout Drawings one for Cafeteria and one for Dining-kitchen areas as required for canteen License.	Job	1.0		
18	Providing Form "A" and periodicaly Form "B" certification for fire figthing system for Cafeteria and Dining-kitchen from the Fire department.	Job	1.0		
	Total Amount (Rs.)				
	GST @ 18% Amount (Rs.)				
	Grand Total Amount with GST (Rs.)				

Note:

- 1) All the quoted rates are inclusive of materials, labour, transportation, loading, unloading, shifting etc.
- 2) All the applicable Taxes are included.

Date:

Signature of bidder with seal

ANNEXURE - A

FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION UNDERTAKING REGARDING BLACKLISTING / NON – DEBARMENT

To,
The Registrar
Indira Gandhi Institute of Development Research
Film City Road, Santosh Nagar,
Goregaon (East),
Mumbai – 400 065.

We hereby confirm and declare that we, M/s -----, is not blacklisted/ De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have Executed/ Undertaken the works/ Services during the last 5 years.

For M/s _____

Authorized Signatory

Date:

**To be submitted on company/firm letterhead.*