

NO: IGCON/F&S/2026-1

TENDER DOCUMENT

Date: 06.07.2026

SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND OBTAINING FINAL FIRE NOC FOR FIRE PROTECTION SYSTEM

At College Building of Indira Gandhi College Of Nursing

For M/s Cochin Co-operative Hospitals Society Ltd No. E-288

ADDRESS

Secretary,

Cochin Co-operative Hospitals Society Ltd No. E-288,

Kadavanthra, Kochi 682020

Phone: 0484 220 6734

NOTICE INVITING TENDER

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NOTICE INVITING TENDER FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND OBTAINING FINAL FIRE NOC FOR FIRE PROTECTION SYSTEM

Project: Indira Gandhi College of Nursing at Thiruvaniyur Panchayath, Ernakulam District

[SH: supply, installation, testing, commissioning and obtaining final fire noc for fire protection system]

Invitation for bids

The **Secretary, Cochin Co-Operative Hospitals Society Ltd. No. E-288**, Kadavanthra, Kochi – 682020, invites sealed Item Rate Bids under Single Stage Two Envelope System from eligible Fire Protection Contractors for **supply, installation, testing, commissioning and obtaining final fire noc for fire protection system** for the College Building of Indira Gandhi College of Nursing at Thiruvaniyur Panchayath, Ernakulam District.

1. Bid Data Table

SI No	Description	Details
1	Estimated PAC :	Rs. 15,00,000/- (Rupees Fifteen Lakhs Only)
2	Earnest Money Deposit (EMD) :	Rs. 50,000/-
3	Cost of Tender Document :	Rs. 1,500/- plus applicable GST
4	Completion Period :	3 (Three) Months
5	Defect Liability Period :	12 Months from the date of handover.
6	Performance Security :	5% of Contract Value
7	Retention Money :	2.5% of Gross Value of each Running Account Bill
8	Tender Submission Method :	Offline
9	Tender System :	Single Stage Two Envelope System
10	Bid Validity :	120 Days
11	Last Date of Submission :	24.07.26 up to 12.00 PM
12	Opening of Technical Bid :	24.07.26 at 4.00 PM
13	Opening of Financial Bid :	To be notified separately to technically qualified bidders

2. Eligibility Criteria

The bidder shall satisfy the following minimum eligibility requirements:

- The bidder shall be an established Fire Protection Contractor having experience in Supply, Installation, Testing and Commissioning (SITC) of Fire Protection Systems.
- The bidder shall possess valid GST Registration and PAN.
- The bidder shall submit a declaration that the firm has not been blacklisted by any Government Department, PSU, Local Body or Statutory Authority.
- The bidder shall submit catalogues, technical datasheets and compliance statements for all major equipment proposed.
- The bidder shall submit manufacturer authorization certificates wherever applicable.

Experience Criteria

- The bidder shall have successfully completed during the last five years ending on the last date of bid submission:
 - a. Three similar completed works costing not less than Rs. 10.00 Lakhs each
OR
 - b. Two similar completed works costing not less than Rs. 15.00 Lakhs each
OR
 - c. One similar completed work costing not less than Rs. 30.00 Lakhs
- Similar Work shall mean SITC of Fire Hydrant Systems, Sprinkler Systems, Fire Alarm Systems or integrated Fire Protection Systems in Hospitals, Educational Institutions, Commercial Buildings, Hotels, Industrial Buildings or Government Buildings.
- Completion certificates and corresponding work orders shall be submitted as proof.

Financial Criteria

- The bidder shall have average annual turnover not less than Rs. 50 Lakhs during the last three financial years ending 31.03.2025.
- Audited financial statements and income tax returns for the last three years shall be submitted.

3. Scope of Work

The work broadly includes:

- a. Fire Pumping System and Accessories
- b. Fire Hydrant System
- c. Automatic Sprinkler System
- d. Manual Fire Alarm System
- e. Portable Fire Extinguishers
- f. Safety and Exit Signages as per NBC 2016
- g. Testing and Commissioning of Complete System
- h. Submission of Shop Drawings and As-Built Drawings
- i. Preparation and Submission of Documents required for Fire Approval
- j. Liaison with Kerala Fire & Rescue Services Department
- k. Obtaining Final Fire Clearance / NOC from Kerala Fire & Rescue Services

4. Applicable Standards

The work shall comply with:

- a. National Building Code (NBC) 2016 – Part 4 Fire and Life Safety
- b. Relevant BIS / IS Standards
- c. Kerala Fire & Rescue Services requirements
- d. CPWD Specifications for Fire protection Systems
- e. TAC Guidelines wherever applicable

5. Tender Submission

The bid shall be submitted in two separate sealed envelopes:

5.1. Envelope – I : Technical Bid

Containing:

- Eligibility documents
- Technical proposal
- Compliance documents
- EMD
- Tender fee
- Supporting certificates
- Signed tender document

5.2. Envelope – II : Financial Bid

Containing: Priced BOQ / Commercial Bid in prescribed format only

Both envelopes shall be placed in one outer sealed cover and submitted to:

The Secretary

Cochin Co-operative Hospitals Society Ltd No. E 288

Kadavanthra, Kochi – 682020

within the date and time specified in the tender notice.

Late bids shall not be accepted.

6. Time Limits Prescribed

Sl. No.	Activity	Time Limit
1	Delivery of Materials	Within 15 days from Purchase Order
2	Installation, Testing & Commissioning	Within 45 days from Delivery
3	Warranty Period	12 months from date of handover
4	Payment	As per Contract Conditions
5	Submission of Performance Security & Agreement	Within 7 days of award

7. General Conditions

1. The Employer reserves the right to accept or reject any bid, or annul the bidding process, without assigning any reason and without incurring any liability to bidders.
2. The Employer shall not be responsible for any expenses incurred by bidders in connection with preparation or submission of bids.
3. If the tender opening date falls on a holiday or non-working day, the tender shall be opened on the next working day at the same time and place.
4. Corrigenda / amendments, if any, shall form part of the tender document.
5. Submission of bid shall be deemed to constitute full understanding and acceptance of the tender conditions.

8. Availability of Tender Document and Corrigenda

The Tender Document may be downloaded from the website <http://igchkochi.com/> specified in the Notice Inviting Tender and the cost of tender fee as prescribed in the Tender Notice should be paid through NEFT to the account of Cochin Co-operative Hospitals Society Ltd No. E-288, Kadavanthra, Kochi 682020. The cost of the Tender Document and processing fee, once paid, shall not be refunded under any circumstances. Any clarification, corrigendum, addendum, amendment, extension notice, or other communication relating to this tender shall be published only on the said website, and the same shall form part of the Tender Document. Bidders are advised to regularly visit the website for updates until completion of the tender process.

Failure of the bidder to take note of corrigenda or amendments published on the website shall not relieve the bidder from contractual obligations or tender conditions.

8.1. Account details

Cochin Co-operative Hospitals Society Ltd No. E-288, Kadavanthra, Kochi 682020, A/ C Name: Cochin Co-Operative Hospitals Society Ltd No. E-288. A/C No- 50200022925676. IFSC - HDFC0000295. A/C Type - Current Account

Secretary

Cochin Co-Operative Hospitals Society Ltd. No. E-288
Kadavanthra, Kochi – 682020

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1. INSTRUCTIONS TO BIDDERS

1.1.GENERAL

1.1.1. Scope of Bid

Cochin Co-operative Hospitals Society Ltd. No. E-288 (hereinafter referred to as "CCHS") invites bids for the Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for the Fire Protection System for the College Building of Indira Gandhi College of Nursing at Thiruvaniyur Panchayath, Ernakulam District.

The scope of work includes, but is not limited to:

- **Fire Pumping System and Accessories**
- **Fire Hydrant System**
- **Automatic Sprinkler System**
- **Manual Fire Alarm System**
- **Portable Fire Extinguishers**
- **Fire and Safety Signages**
- **Testing and Commissioning**
- **Preparation and submission of drawings and documents**
- **Liaison with Kerala Fire & Rescue Services Department**
- **Obtaining Final Fire NOC**

The successful bidder shall supply, install, test, commission and hand over the complete Fire Protection System in accordance with the Employer's Requirements, Technical Specifications and Conditions of Contract specified in this Tender.

CCHS reserves the right to increase or decrease the quantities at the same rates, terms and conditions, subject to project requirements and availability of funds.

1.1.2. Source of Funds

The project is funded by Cochin Co-operative Hospitals Society Ltd. No. E-288.

1.1.3. Fraud and Corrupt Practices

Bidders shall observe the highest standards of ethics during the bidding process and execution of the Contract.

CCHS may reject a bid, cancel the tender, terminate the Contract, or take legal action if it is found that the bidder has engaged in:

- Fraudulent practice
- Corrupt practice
- Collusive practice
- Coercive practice
- Misrepresentation
- Submission of false documents
- Bid rigging or cartel formation

Any bidder found involved in such practices may be disqualified and the EMD may be forfeited.

1.1.4. Eligible Bidders

The bidder shall be:

- A Proprietorship Firm, Partnership Firm, LLP, Private Limited Company or Public Limited Company legally registered in India.
- Engaged in the business of Fire Protection Systems.
- Capable of executing Supply, Installation, Testing and Commissioning of Fire protection Systems.
- Registered under GST and possessing valid PAN.

The bidder shall satisfy the qualification criteria specified in the Tender and submit documentary evidence in support of the same.

A bidder shall not:

- Be blacklisted by Government, PSU, Local Body or Statutory Authority.
- Submit false information.

- Participate with conflicting interests.
 - Submit more than one bid for the same tender.
- CCHS reserves the right to verify any document submitted by the bidder.

1.1.5. Account Details

Tender fee and EMD, wherever paid through NEFT, shall be remitted to:

A/C Name: Cochin Co-operative Hospitals Society Ltd No. E-288

A/C No: 50200022925676

IFSC: HDFC0000295

Bank: HDFC Bank

Account Type: Current Account

The bidder shall attach proof of remittance with the Technical Bid.

1.2. CONTENTS OF BIDDING DOCUMENT

1.2.1. Sections of Tender Document

The Tender Document shall consist of:

- Section 1 – Notice Inviting Tender
- Section 2 – Instructions to Bidders
- Section 3 – General Conditions of Contract
- Section 4 – Bidding Forms
- Section 5 – Employer's Requirements / Technical Specifications
- Annexures
- BOQ
- Agreement Formats

The bidder shall carefully examine all sections before submission of the bid.

Failure to furnish required information may result in rejection of the bid.

1.2.2. Clarification of Tender Document / Site Visit / Pre-Bid Meeting

A prospective bidder requiring clarification may seek the same in writing before the prescribed deadline.

CCHS may conduct a Pre-Bid Meeting if considered necessary.

Bidders are advised to visit the project site at their own cost and responsibility before submission of bids to understand:

- Site conditions
- Existing building conditions
- Existing water storage arrangements
- Pump room availability
- Routing requirements
- Coordination requirements
- Execution constraints

Failure to inspect the site shall not relieve the bidder of contractual obligations.

1.2.3. Amendment / Corrigendum

CCHS may amend the Tender Document by issuing corrigendum or addendum at any time before the last date of submission of bids.

Such corrigendum shall form part of the Tender Document and shall be binding on all bidders.

CCHS may extend the bid submission date, if required.

1.3. PREPARATION OF BIDS

1.3.1. Cost of Bidding

The bidder shall bear all costs associated with preparation and submission of the bid.

CCHS shall not be responsible for such costs irrespective of the outcome of the tender process.

1.3.2. Language of Bid

The bid and all correspondence shall be in English.

Any supporting document in another language shall be accompanied by an English translation.

1.3.3. Documents Comprising Technical Bid

The Technical Bid shall include:

1. Letter of Technical Bid
2. Bidder Information Form
3. Company Profile
4. Eligibility Documents
5. GST Registration Certificate
6. PAN Card
7. Work Experience Documents
8. Completion Certificates
9. Audited Financial Statements
10. Income Tax Returns
11. Turnover Certificate from Chartered Accountant
12. Technical Compliance Statement
13. Product Catalogues and Datasheets
14. List of Proposed Makes
15. Manufacturer Authorization Certificates, wherever applicable
16. Site Visit Declaration
17. Non-Blacklisting Declaration
18. Acceptance of Tender Conditions
19. Power of Attorney / Authorization
20. Proof of Tender Fee Payment
21. Proof of EMD Payment
22. Signed Tender Document
23. Proposed Work Programme
24. Details of Technical Personnel
25. Any other document required by the Tender.

Prices shall not be disclosed in the Technical Bid.

1.3.4. Deviations and Bidder's Conditions

Printed terms and conditions of the bidder shall not be considered as part of the bid unless specifically accepted in writing by CCHS.

The bidder shall be deemed to have accepted all terms and conditions of the Tender unless specifically stated otherwise in the bid.

If the materials, equipment, systems, services or requirements offered by the bidder differ in any respect from the Technical Specifications, Employer's Requirements or Schedule of Quantities, the bidder shall clearly indicate such deviations in the Technical Compliance Statement.

The bidder shall categorically state whether the offered systems fully conform to the Tender requirements.

Failure to disclose deviations shall be deemed as confirmation of full compliance with the Tender requirements.

CCHS reserves the right to:

- Accept or reject any deviation.
- Seek clarification.
- Treat undisclosed deviations as non-compliance.
- Reject bids containing material deviations.

Acceptance of any deviation shall not relieve the Contractor from ensuring satisfactory performance of the complete Fire Protection System and successful obtaining of Final Fire NOC.

1.3.5. Documents Comprising Financial Bid

The Financial Bid shall contain:

- **Priced BOQ only.**
- **Commercial Bid in the prescribed format.**

No technical literature, brochures, qualifications or supporting documents shall be included in the Financial Bid.

Inclusion of technical documents in the Financial Bid may result in rejection of the bid.

1.3.6. Bid Prices

The bidder shall quote rates for all items included in the BOQ.

Rates shall be:

- In Indian Rupees.
- Item-wise.
- Complete in all respects.

The quoted rates shall include:

- Supply.
- Transportation.
- Loading and unloading.
- Storage.
- Installation.
- Testing.
- Commissioning.
- Labour.
- Tools and equipment.
- Scaffolding.
- Supports, clamps and fasteners.
- Cutting, making good and restoration works.
- Documentation.
- Training.
- Liaison with Kerala Fire & Rescue Services.
- Preparation of drawings and submissions.
- Obtaining Final Fire NOC.
- Insurance.
- Contractor's overheads and profit.
- All taxes and duties excluding GST, if separately indicated.

No claim for additional payment shall be entertained on account of the bidder's failure to properly assess the scope of work.

1.3.7. Firm Prices

Prices quoted shall be firm and fixed throughout the currency of the Contract.

No escalation in rates shall be admissible on account of increase in the cost of materials, labour, fuel, transportation, statutory levies or any other reason whatsoever.

No price revision shall be permitted after submission of the bid.

No claim due to increase in material cost, labour cost, transportation cost, taxes or market fluctuations shall be entertained.

1.3.8. Bid Security (EMD)

The bidder shall submit an Earnest Money Deposit (EMD) of ₹50,000/- (Rupees Fifty Thousand Only).

The EMD may be submitted through:

- Demand Draft.
- Banker's Cheque.
- NEFT Transfer.

The EMD shall be forfeited if:

- The bidder withdraws the bid during the validity period.
- The bidder modifies the bid after submission.
- The successful bidder fails to execute the Agreement.

- The successful bidder fails to furnish Performance Security.
- Unsuccessful bidders' EMD shall be refunded without interest after award of contract within a period of 15 days. EMD of L2 & L3 bidders shall be released only after 90 days.

1.3.9. Bid Validity

Bids shall remain valid for 120 days from the date of opening of Technical Bids.

A bid valid for a shorter period shall be liable for rejection.

CCHS may request extension of validity and the bidder may accept or refuse such extension.

1.3.10. Price Secrecy

Prices shall not be disclosed in any form within the Technical Bid.

If price information is found in the Technical Bid, the bid shall be liable for rejection.

1.3.11. Signing of Bid

The bid shall be signed by a person duly authorized by the bidder.

All pages of the bid shall be signed and sealed.

Power of Attorney or Authorization Letter shall be submitted wherever applicable.

1.4. SUBMISSION AND OPENING OF BIDS

1.4.1. Sealing and Marking of Bids

The bid shall be submitted in Offline Mode only.

Envelope 1 – Technical Bid

Containing:

- Technical Bid documents.
- EMD.
- Tender Fee receipt.
- Eligibility documents.
- Supporting certificates.
- Signed Tender Document.

Marked:

TECHNICAL BID – FIRE PROTECTION SYSTEM – IGCN

Envelope 2 – Financial Bid

Containing:

- Priced BOQ only.

Marked:

FINANCIAL BID – FIRE PROTECTION SYSTEM – IGCN

Both envelopes shall be separately sealed and enclosed within one outer sealed cover marked:
"Tender for Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for Fire Protection System – Indira Gandhi College of Nursing"

Tender No: IGCON/F&S/2026-1

The bid shall be addressed to:

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra

Kochi – 682020

Bids not submitted in the prescribed manner may be rejected.

1.4.2. Deadline for Submission of Bids

Bids shall be submitted on or before the date and time specified in the Tender Notice.

Bids received after the deadline shall not be accepted.

CCHS may extend the submission deadline through corrigendum if required.

1.4.3. Late Bids

Any bid received after the prescribed date and time shall be:

- Rejected.
- Returned unopened.

CCHS shall not be responsible for postal delays, courier delays or delivery failures.

1.4.4. Opening of Technical Bid

Technical Bids shall be opened on the date and time notified in the Tender.

At the time of opening:

- Name of bidders.
 - Confirmation of EMD.
 - Confirmation of Tender Fee.
 - Basic compliance requirements.(Including tender qualification documents)
- shall be recorded.

Detailed evaluation shall be carried out subsequently.

1.4.5. Opening of Financial Bid

Financial Bids of only those bidders who qualify in Technical Evaluation shall be opened.

The date and time of opening of Financial Bid shall be separately communicated.

Price bids of technically disqualified bidders shall not be opened.

1.5.EVALUATION AND COMPARISON OF BIDS

1.5.1. Clarification of Bids

To assist in examination and evaluation, CCHS may seek clarification from any bidder.

Such clarification shall be in writing and within the specified time.

No bidder shall be permitted to:

- Change the quoted price.
- Alter the substance of the bid.
- Modify the technical offer.

Failure to provide clarification may result in rejection.

1.5.2. Preliminary Examination of Bids

CCHS shall examine whether:

- The bid is complete.
- Required documents are submitted.
- EMD is furnished.
- Tender fee is paid.
- Authorization is proper.
- Technical bid is free from price disclosure.
- The bid substantially complies with Tender requirements.

Non-responsive bids may be rejected.

1.5.3. Technical Evaluation

Technical evaluation shall include examination of:

- Eligibility Criteria.
- Experience Criteria.
- Financial Capacity.
- Technical Personnel.
- Technical Compliance.
- Proposed Makes and Manufacturers.
- Product Catalogues and Datasheets.
- Manufacturer Authorization Certificates, wherever applicable.
- Site Visit Compliance.
- Ability to execute and obtain Final Fire NOC.
- Conformity with Tender Specifications.
- Deviations, if any.

The Technical Evaluation shall be carried out on a Pass/Fail basis.

Only bidders satisfying all mandatory requirements of the Tender shall be considered technically qualified.

CCHS may verify documents submitted by bidders from issuing authorities, clients, manufacturers or other sources deemed appropriate.

Any false declaration, suppression of information or misrepresentation may result in:

- Rejection of Bid.
- Forfeiture of EMD.
- Disqualification from future tenders of CCHS.

The decision of CCHS regarding technical responsiveness shall be final and binding.

1.5.4. Financial Evaluation

Financial Bids of technically qualified bidders only shall be opened and evaluated.

Financial evaluation shall be based on:

- Total quoted amount.
- Arithmetic correctness.
- Completeness of BOQ.
- Corrections of arithmetic errors, if any.

In case of discrepancy:

- Unit rate shall prevail over total amount.
- Words shall prevail over figures.
- Corrected value shall be considered for evaluation.

CCHS reserves the right to seek clarification regarding any item appearing abnormally high or abnormally low.

The bidder shall furnish rate analysis if requested.

Failure to provide satisfactory justification may render the bid liable for rejection.

1.5.5. Price Negotiation

CCHS reserves the right, if considered necessary in the interest of the Employer, to call the lowest three evaluated bidders (L1, L2 and L3) for price negotiations before finalization of the contract.

The decision of CCHS in this regard shall be final and binding on all bidders.

1.5.6. Comparison of Bids

CCHS shall compare substantially responsive bids and determine the Lowest Evaluated Responsive Bidder (L1).

While comparing bids, CCHS may consider:

- Technical responsiveness.
- Commercial acceptability.
- Compliance with specifications.
- Corrections of arithmetic errors.
- Clarifications submitted by bidders.
- Negotiated prices, if applicable.

CCHS shall not be bound to accept the lowest quoted bid merely on price.

The Employer reserves the right to reject abnormally low, front-loaded or unbalanced bids.

1.5.7. Rejection of Bids

A bid may be rejected if:

- Required documents are not submitted.
- EMD is not furnished.
- Tender Fee is not paid.
- Bidder is found ineligible.
- Technical bid contains price information.
- False information or forged documents are submitted.
- Bid is materially non-responsive.
- Bidder attempts to influence the evaluation process.
- Technical requirements are not met.
- Bidder has a record of poor performance or contract abandonment.
- Bidder is blacklisted by Government, PSU or Statutory Authorities.
- Bid is incomplete or conditional.

CCHS reserves the right to reject any or all bids without assigning any reason.

1.6.AWARD OF CONTRACT

1.6.1. Award Criteria

The Contract shall normally be awarded to the bidder whose bid is:

- Substantially responsive.
- Technically qualified.
- Commercially acceptable.
- Determined by CCHS to be in the best interest of the Employer.

The successful bidder shall be required to execute the work strictly in accordance with the Tender Documents and approved BOQ.

1.6.2. Notification of Award

Prior to expiry of bid validity, CCHS shall notify the successful bidder in writing of the acceptance of the bid.

The Notification of Award shall constitute the Employer's intention to enter into the Contract.

The successful bidder shall acknowledge receipt of the Notification within seven (7) days.

1.6.3. Signing of Contract

The successful bidder shall:

- Execute the Contract Agreement.
- Submit Performance Security.
- Complete all contractual formalities.

within seven (7) days from the date of Notification of Award.

Failure to do so may result in:

- Cancellation of Award.
- Forfeiture of EMD.
- Award of work to another bidder.

1.6.4. Performance Security

The successful bidder shall furnish Performance Security equal to Five Percent (5%) of the Contract Value.

The Performance Security shall be submitted within seven (7) days from the date of Notification of Award.

The Performance Security may be furnished in the form of:

- Bank Guarantee.
- Demand Draft.
- Fixed Deposit Receipt pledged in favour of CCHS.

The Performance Security shall remain valid until successful completion of the Defect Liability Period.

CCHS shall have the right to invoke the Performance Security in case of:

- Default.
- Delay.
- Non-performance.
- Failure to rectify defects.
- Failure in Obtaining Final Fire Clearance / NOC from Kerala Fire & Rescue Services due to contractor's default.
- Breach of Contract.

Failure to furnish Performance Security shall result in cancellation of award and forfeiture of EMD.

1.6.5. Retention Amount

A Retention Amount equal to 2.5% of the gross value of each Running Account Bill shall be deducted and retained by CCHS.

The Retention Amount shall serve as security for proper performance of the Contract and rectification of defects during the Defect Liability Period.

Release of Retention Amount shall be as follows:

- 50% of the retained amount upon successful commissioning of the complete Fire Protection System, submission of all required documentation, and obtaining Final Fire NOC.
 - Remaining 50% after completion of the Defect Liability Period, subject to satisfactory performance and rectification of all defects.
- No interest shall be payable on the Retention Amount.

2. GENERAL CONDITIONS OF CONTRACT (GCC)

PART 1. CONTRACT FRAMEWORK, SECURITIES AND CONTRACTOR OBLIGATIONS

2.1. Definitions

In this Contract, unless the context otherwise requires:

- Employer / CCHS means Cochin Co-operative Hospitals Society Ltd. No. E-288.
- Contractor means the successful bidder awarded the Contract.
- Engineer-in-Charge means the person authorized by CCHS to supervise, inspect and certify the works.
- Site means the College Building of Indira Gandhi College of Nursing at Thiruvaniyur Panchayath, Ernakulam District.
- Works means the Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for the Fire Protection System covered under this Contract.
- Fire Protection System means the complete Fire Pumping System, Hydrant System, Automatic Sprinkler System, Manual Fire Alarm System, Portable Fire Extinguishers, Signages and all associated accessories covered under the BOQ.
- Completion means successful execution, testing, commissioning, documentation, Obtaining Final Fire Clearance / NOC from Kerala Fire & Rescue Services and acceptance of the Works by CCHS.
- Contract Price means the accepted Contract Value.
- Defect Liability Period means twelve (12) months from the date of issue of Completion Certificate.
- Final Fire NOC means the Fire Safety Clearance / No Objection Certificate issued by Kerala Fire & Rescue Services Department after successful completion and inspection of the Fire Protection System

2.2. Scope of Contract

The Contractor shall:

- Supply.
- Deliver.
- Install.
- Test.
- Commission.
- Certify.
- Document.
- Obtain Final Fire NOC.

for the complete Fire Protection System covered under this Contract.

The Contractor shall provide all materials, labour, equipment, tools, transportation, accessories, supports, fasteners, consumables, testing instruments and services necessary for successful completion of the Works.

The Contractor shall be deemed to have examined the site conditions and fully understood the scope of work before submission of the bid.

2.3. Contract Documents

The following documents shall form part of the Contract:

1. Notice Inviting Tender (NIT)
2. Instructions to Bidders (ITB)
3. General Conditions of Contract (GCC)
4. Bidding Forms

5. Employer's Requirements / Technical Specifications
6. Approved Drawings
7. BOQ
8. Contractor's Bid
9. Notification of Award
10. Contract Agreement

11. Corrigenda, Clarifications and Addenda

In the event of conflict between documents, the following order of precedence shall apply:

1. Contract Agreement
2. Notification of Award
3. Employer's Requirements / Technical Specifications
4. GCC
5. ITB
6. Contractor's Bid
7. BOQ
8. Other Documents

The decision of CCHS regarding interpretation shall be final and binding.

2.4. Performance Security

The Contractor shall furnish Performance Security equal to Five Percent (5%) of the Contract Value within fourteen (14) days from the date of Notification of Award.

The Performance Security shall remain valid until completion of the Defect Liability Period.

The Performance Security may be invoked by CCHS in case of:

- Default.
- Delay.
- Non-performance.
- Failure to rectify defects.
- Failure to obtain Final Fire Clearance / NOC from Kerala Fire & Rescue Services due to Contractor's fault.
- Breach of Contract.

Failure to furnish Performance Security shall entitle CCHS to cancel the award and forfeit the EMD.

2.5. Retention Money

Retention Money equal to 2.5% of the gross value of each Running Account Bill shall be deducted from payments due to the Contractor.

Retention Money shall be released as follows:

- 50% upon successful commissioning, submission of documentation and obtaining Final Fire NOC.
- Remaining 50% after expiry of the Defect Liability Period and rectification of all defects.

No interest shall be payable on the Retention Money.

2.6. Time for Completion

The Contractor shall complete the entire scope of work within Three (3) Calendar Months from the date of issue of Work Order or Letter of Acceptance.

Time shall be the essence of the Contract.

Completion shall include:

- Supply of all materials.
- Installation.
- Testing.
- Commissioning.
- Documentation.
- Obtaining Final Fire NOC.

The work shall not be deemed complete merely upon installation of equipment.

2.7.Delivery and Installation Schedule

Unless otherwise approved by CCHS:

- Delivery of materials shall be completed within forty-five (15) days from Work Order.
- Installation, testing and commissioning shall be completed within forty-five (45) days from delivery.

The Contractor shall deploy adequate manpower and resources to achieve the completion schedule.

2.8.Extension of Time

Extension of Time may be granted only by CCHS in writing for reasons beyond the control of the Contractor including:

- Force Majeure.
- Delay attributable to Employer.
- Delay due to statutory restrictions.
- Delay in access to site not attributable to Contractor.

Grant of extension shall not automatically entitle the Contractor to any additional financial claim. Applications for extension shall be submitted in writing immediately upon occurrence of the event causing delay.

2.9.Contractor's General Obligations

The Contractor shall:

- Execute the Works professionally and safely.
- Employ competent supervisory and technical personnel.
- Use approved materials and equipment.
- Comply with Technical Specifications.
- Coordinate with other agencies working at site.
- Maintain site discipline.
- Ensure quality workmanship.
- Protect existing property and services.
- Rectify defects promptly.
- Provide all documentation and certifications required under the Contract.

The Contractor shall be solely responsible for the acts and omissions of his employees, subcontractors and agents.

2.10. Responsibility for Damage, Loss and Restoration of Property

The Contractor shall be fully responsible for any loss, damage or destruction caused during execution of the Works to:

- Buildings.
- Structural elements.
- Finishes.
- Furniture.
- Electrical installations.
- Plumbing systems.
- Existing services.
- Employer's property.
- Third-party property.

Any such damage shall be repaired, restored or replaced by the Contractor at his own cost to the satisfaction of CCHS.

If the Contractor fails to do so, CCHS may carry out such work and recover the cost from amounts due to the Contractor.

2.11. Protection of Existing Services and Finishes

The Contractor shall take all precautions necessary to protect:

- Walls.
- Floors.

- Ceilings.
- False ceilings.
- Electrical installations.
- Plumbing installations.
- Existing fire protection installations.
- Finished surfaces.

during execution of the Works.

Any damage caused shall be restored to original condition at Contractor's cost.

2.12. Safety and Site Precautions

The Contractor shall:

- Follow safe work practices.
- Provide Personal Protective Equipment (PPE) to workers.
- Ensure electrical and mechanical safety.
- Barricade work areas where necessary.
- Prevent accidents and unsafe conditions.

The Contractor shall be solely responsible for any injury, accident, death or property damage arising during execution of the Works.

CCHS shall not bear any liability for such incidents.

2.13. Labour Law Compliance

The Contractor shall comply with all applicable laws relating to:

- Labour.
- Wages.
- EPF.
- ESI.
- Safety.
- Insurance.
- Welfare measures.
- Taxes and statutory obligations.

Any liability arising from non-compliance shall be borne entirely by the Contractor.

2.14. Insurance

The Contractor shall maintain adequate insurance coverage for:

- Materials in transit.
- Materials at site.
- Contractor's equipment.
- Employee compensation.
- Third-party liability.
- Work execution risks.

The insurance shall remain valid until completion and handing over of the Works.

Insurance shall not limit the Contractor's liability under the Contract.

PART 2 – FIRE PROTECTION SYSTEM EXECUTION REQUIREMENTS

2.15. Compliance with Codes, Standards and Statutory Requirements

The Contractor shall execute the Works in accordance with:

- National Building Code (NBC) 2016 – Part 4 Fire and Life Safety.
- Relevant Indian Standards (IS Codes).
- CPWD Fire protection Specifications.
- Kerala Fire & Rescue Services Department requirements.
- Applicable TAC Guidelines wherever relevant.
- Manufacturer's recommendations.
- Directions issued by CCHS and Engineer-in-Charge.

Where there is a conflict between standards, the more stringent requirement shall apply.

The Contractor shall ensure that the completed system fully satisfies statutory requirements necessary for obtaining Final Fire NOC.

2.16. Shop Drawings and Approvals

Before commencement of installation work, the Contractor shall prepare and submit detailed Shop Drawings for approval.

Shop Drawings shall include:

- Pump room layouts.
- Pipe routing drawings.
- Hydrant layouts.
- Sprinkler layouts.
- Fire Alarm layouts.
- Equipment installation details.
- Schematic diagrams.
- Control panel layouts.
- Equipment schedules.

Approval of Shop Drawings by CCHS shall not relieve the Contractor of responsibility for correctness of design, coordination and compliance.

No installation work shall commence without approval of relevant Shop Drawings.

2.17. Quality of Materials and Equipment

All materials supplied under the Contract shall be:

- New.
- Unused.
- Free from defects.
- Of approved make.
- Conforming to applicable standards.
- Suitable for Fire Protection applications.

The Contractor shall not use:

- Second-hand materials.
- Refurbished equipment.
- Damaged materials.
- Unapproved makes.

CCHS reserves the right to reject any material not conforming to the Contract requirements.

Rejected materials shall be removed from site immediately at the Contractor's cost.

2.18. Inspection and Testing

The Contractor shall carry out all inspections and tests necessary to demonstrate satisfactory performance of the Fire Protection System.

The Contractor shall provide:

- Testing equipment.
- Instruments.
- Labour.
- Water.
- Consumables.
- Technical personnel.

required for testing.

All tests shall be conducted in the presence of CCHS or its authorized representative.

Test reports shall be submitted for approval.

Failure of any test shall require rectification and re-testing at Contractor's cost.

2.19. Fire Pump Testing

The Contractor shall test all Fire Pumps including:

- Main Fire Pump.
- Jockey Pump.

- Associated control panels.

Testing shall verify:

- Flow.
- Pressure.
- Automatic operation.
- Manual operation.
- Pressure switch operation.
- Electrical protections.
- Pump sequencing.

The Contractor shall submit certified test reports before commissioning.

2.20. Hydrant System Testing

The Hydrant System shall be subjected to Hydrostatic Pressure Testing.

Testing shall verify:

- Leak-free performance.
- Pressure retention.
- Proper operation of valves.
- Hose reel functionality.
- Landing valve operation.
- Adequate discharge pressure.

All leaks and defects shall be rectified prior to commissioning.

2.21. Sprinkler System Testing

The Automatic Sprinkler System shall be tested to verify:

- Pipe integrity.
- Leak-free operation.
- Alarm functionality.
- Valve operation.
- Pressure performance.
- Proper sprinkler coverage.

Hydrostatic testing shall be carried out in accordance with applicable standards.

Deficiencies observed during testing shall be rectified immediately.

2.22. Fire Alarm System Testing

The Manual Fire Alarm System shall be tested for:

- Manual Call Point operation.
- Hooter operation.
- Alarm audibility.
- Circuit integrity.
- Panel functionality.
- Power supply performance.
- Battery backup operation.

All devices shall be individually tested and demonstrated.

2.23. Integrated System Testing

After completion of individual tests, the Contractor shall conduct Integrated System Testing.

Integrated testing shall demonstrate coordinated operation of:

- Fire Pumps.
- Hydrant System.
- Sprinkler System.
- Fire Alarm System.
- Associated controls and accessories.

The Contractor shall demonstrate satisfactory operation of the complete Fire Protection System to CCHS.

Integrated testing shall be completed before submission for statutory inspection.

2.24. Documentation and Certification

Before issue of Completion Certificate, the Contractor shall submit:

- Approved Shop Drawings.
- As-Built Drawings.
- Equipment schedules.
- Test reports.
- Commissioning reports.
- Warranty certificates.
- Product literature.
- Operation and Maintenance Manuals.
- Fire NOC application documents.
- Any other document required by CCHS or Kerala Fire & Rescue Services.

Completion shall not be deemed achieved until all documentation is submitted and accepted.

2.25. Training of Employer's Personnel

The Contractor shall provide training to personnel nominated by CCHS.

Training shall include:

- Operation of Fire Pumps.
- Hydrant operation.
- Fire Alarm operation.
- Routine inspections.
- Emergency procedures.
- Basic troubleshooting.

Training shall be conducted before final handover.

No separate payment shall be made for such training.

PART 3 – FIRE NOC REQUIREMENTS

2.26. Fire NOC Responsibility

Obtaining Final Fire NOC from Kerala Fire & Rescue Services Department shall form an integral part of the Contract.

The Contractor shall be fully responsible for:

- Preparation of submissions.
- Preparation of drawings.
- Coordination with statutory authorities.
- Site inspections.
- Compliance documentation.
- Follow-up with authorities.
- Obtaining Final Fire NOC.

The Contractor shall include all costs associated with these activities in the quoted rates.

No separate payment shall be made.

2.27. Submission to Kerala Fire & Rescue Services Department

The Contractor shall prepare and submit all drawings, documents, certificates and applications required by Kerala Fire & Rescue Services Department.

The Contractor shall coordinate inspections and provide all technical assistance necessary during the approval process.

Statutory fees payable directly to Government Authorities shall be reimbursed by CCHS only upon production of original receipts, unless specifically included in the BOQ.

2.28. Rectification of Observations

If Kerala Fire & Rescue Services Department raises observations, comments or deficiencies related to the Contractor's scope of work, the Contractor shall promptly rectify the same at no additional cost to CCHS.

The Contractor shall not be entitled to claim extra payment for modifications required due to:

- Improper installation.

- Non-compliance with standards.
- Defective workmanship.
- Deficient documentation.
- Failure to satisfy statutory requirements.

Rectification shall be completed within the time specified by CCHS.

2.29. Final Fire NOC

The Works shall not be considered complete until:

- All systems are installed.
- Testing is completed.
- Commissioning is completed.
- Documentation is submitted.
- Training is completed.
- Defects are rectified.
- Final Fire NOC is obtained and submitted to CCHS.

Issue of Completion Certificate shall be subject to compliance with the above requirements.

Failure to obtain Final Fire Clearance / NOC from Kerala Fire & Rescue Services due to deficiencies attributable to the Contractor shall constitute non-performance under the Contract.

PART 4 – PAYMENTS, DELAYS, WARRANTY AND CONTRACT ADMINISTRATION

2.30. Billing and Payment

Payments shall be released on a pro-rata basis against actual progress of work, subject to verification, certification and approval by CCHS.

The Contractor shall submit bills together with all supporting documents, invoices, delivery challans, test certificates and progress records as applicable.

The payment schedule shall be as follows:

a) Supply of Materials – 60%

Up to Sixty Percent (60%) of the Contract Value shall be released on a pro-rata basis against delivery of approved materials at site.

Payment shall be made based on:

- Actual quantity of materials delivered.
- Verification and acceptance by CCHS.
- Submission of delivery challans and supplier invoices.
- Confirmation that the materials conform to approved specifications and makes.

Payment shall be restricted to the value of materials actually delivered and accepted at site.

b) Completion of Installation – 20%

Twenty Percent (20%) of the Contract Value shall be released upon completion of installation of the Fire Protection System, on pro rata basis of erection after certification by CCHS that the installation has been completed satisfactorily.

c) Testing and Commissioning – 10%

Ten Percent (10%) of the Contract Value shall be released upon:

- Successful testing of all systems.
- Successful commissioning of the complete Fire Protection System.
- Submission of test reports.
- Submission of commissioning reports.
- Demonstration of satisfactory system performance to CCHS.

d) Final Fire NOC and Project Close-Out – 10%

The balance Ten Percent (10%) of the Contract Value shall be released only after:

- Submission of As-Built Drawings.
- Submission of Operation and Maintenance Manuals.
- Submission of Warranty Certificates.
- Completion of training of Employer's personnel.

- Submission of all statutory documents and certificates.
 - Obtaining and handing over the Final Fire Clearance / NOC from Kerala Fire & Rescue Services.
- The Works shall not be deemed complete until all the above requirements are fulfilled.
- Retention Money at the rate specified in the Contract shall be deducted from each payment.
- All payments shall be subject to statutory deductions and recoveries as applicable.

2.31. Statutory and Contractual Deductions

The following deductions shall be made from payments wherever applicable:

- Retention Money.
- TDS under Income Tax Act.
- GST related deductions.
- Labour Welfare Fund deductions.
- Statutory recoveries.
- Penalties.
- Liquidated Damages.
- Recovery of losses or damages.
- Any amount recoverable under the Contract.

2.32. Recovery Rights of Employer

CCHS shall have the right to recover any amount due from the Contractor from:

- Running Account Bills.
- Final Bill.
- Retention Money.
- Performance Security.
- Any other amount payable to the Contractor.

Such recoveries may include:

- Damages.
- Penalties.
- Cost of rectification.
- Third-party expenses.
- Statutory liabilities.
- Losses arising due to Contractor's default.

2.33. Liquidated Damages for Delay

If the Contractor fails to complete the Works within the stipulated Contract Period and such delay is attributable to the Contractor, Liquidated Damages shall be levied.

Liquidated Damages shall be:

0.5% of Contract Value per week of delay

subject to a maximum of:

10% of Contract Value.

Recovery of Liquidated Damages shall not relieve the Contractor of the obligation to complete the Works.

CCHS may also terminate the Contract in case of excessive delay.

2.34. Defect Liability Period

The Defect Liability Period shall be Twelve (12) Months from the date of issue of Completion Certificate and handing over.

During the Defect Liability Period, the Contractor shall:

- Attend complaints.
- Rectify defects.
- Replace defective materials.
- Restore system functionality.

at no additional cost to CCHS.

2.35. Warranty

The Contractor shall provide a minimum Twelve (12) Months Comprehensive Warranty for all equipment, materials and systems supplied under the Contract.

The Warranty shall include:

- Repair.
- Replacement.
- Labour.
- Transportation.
- Testing.
- Recommissioning.
- Accessories necessary for restoration.

No separate charges shall be payable during the Warranty Period.

2.36. Complaint Attendance and Rectification

The Contractor shall respond to complaints within:

Forty-Eight (48) Hours

from receipt of complaint.

The Contractor shall rectify defects within:

Seven (7) Days

from receipt of complaint.

In case of critical failures affecting the Fire Protection System, immediate action shall be initiated. Repeated failure to attend complaints may be treated as breach of Contract.

2.37. Replacement of Defective Equipment

If any equipment is found defective during the Defect Liability Period or Warranty Period, the Contractor shall:

- Repair the equipment.

or

- Replace the equipment with new equipment of equivalent or superior specification.

Replacement shall be carried out without additional cost to CCHS.

Repeated failures may be treated as performance deficiency.

PART 5 – LEGAL PROVISIONS

2.38. Termination for Default

CCHS may terminate the Contract wholly or partly by written notice if the Contractor:

- Fails to complete the Works.
- Abandons the Works.
- Fails to obtain Final Fire NOC.
- Fails to rectify defects.
- Supplies defective materials.
- Engages in fraudulent or corrupt practices.
- Submits false documents.
- Becomes insolvent.
- Commits material breach of Contract.

Termination shall be without prejudice to any other rights available to CCHS.

2.39. Consequences of Termination

Upon termination:

- CCHS may take possession of materials and partially completed works.
- Remaining works may be completed through another agency.
- Additional expenditure incurred by CCHS shall be recoverable from the Contractor.
- Performance Security may be invoked.
- Retention Money may be withheld or forfeited.
- Pending payments may be withheld until assessment of liabilities.

2.40. Termination for Convenience

CCHS reserves the right to terminate the Contract at any time in the interest of the Employer. In such event, payment shall be made only for satisfactorily completed work executed up to the date of termination.

The Contractor shall not be entitled to:

- Loss of profit.
- Anticipated profit.
- Consequential damages.
- Claims beyond certified work executed.

2.41. Force Majeure

Neither party shall be liable for failure or delay in performance caused by events beyond reasonable control including:

- Flood.
- Earthquake.
- Cyclone.
- War.
- Riot.
- Epidemic.
- Government restrictions.
- Acts of God.

The affected party shall notify the other party in writing as soon as practicable.

The Contractor shall make all reasonable efforts to minimize delays.

The following shall not constitute Force Majeure:

- Manpower shortage.
- Financial difficulties.
- Supplier delays.
- Contractor's procurement delays.
- Lack of planning.

2.42. Indemnity

The Contractor shall indemnify and keep indemnified CCHS against:

- Claims.
- Damages.
- Losses.
- Penalties.
- Costs.
- Legal proceedings.
- Third-party claims.

arising out of:

- Negligence.
- Defective workmanship.
- Defective materials.
- Injury or death.
- Damage to property.
- Statutory violations.
- Breach of Contract.

This indemnity shall survive completion or termination of the Contract.

2.43. Assignment and Subcontracting

The Contractor shall not assign, transfer or subcontract the entire Contract without prior written approval of CCHS.

Specialized portions of work may be subcontracted only with prior written approval of CCHS. Such approval shall not relieve the Contractor of any contractual obligations.

2.44. Notices

Any notice under the Contract shall be in writing and may be delivered by:

- Hand delivery.
- Registered Post.
- Courier.
- Official E-mail.

Notices shall be deemed served upon receipt.

2.45. Settlement of Disputes

The parties shall first attempt to resolve disputes amicably through mutual discussions.

If unresolved, disputes shall be referred to Arbitration.

2.46. Arbitration

Any dispute arising out of or relating to this Contract shall be referred to a Sole Arbitrator appointed by CCHS.

Arbitration shall be conducted in accordance with the Arbitration and Conciliation Act, 1996 and amendments thereto.

Venue of Arbitration:

Ernakulam, Kerala.

Language of Arbitration:

English.

2.47. Jurisdiction

Subject to Arbitration provisions, Courts at Ernakulam, Kerala alone shall have jurisdiction over matters arising out of this Contract.

2.48. Waiver

Failure of CCHS to enforce any provision of the Contract shall not constitute waiver of such provision.

No waiver shall be effective unless made in writing.

2.49. Severability

If any provision of the Contract is held invalid or unenforceable, the remaining provisions shall continue in full force and effect.

2.50. Entire Agreement

The Contract Documents shall constitute the entire agreement between the parties and supersede all prior communications, understandings, negotiations and representations relating to the subject matter of the Contract.

No amendment shall be valid unless made in writing and signed by both parties.

3. BIDDING FORMS

The following forms shall be submitted by the bidder as part of the Technical Bid:

Form No.	Description
Form 1	Letter of Technical Bid
Form 2	Bidder Information Form
Form 3	Work Experience Form
Form 4	Financial Capability Form
Form 5	Manufacturer Authorization Form (MAF)
Form 6	Technical Compliance Statement
Form 7	Undertaking for Warranty & SLA
Form 8	Declaration regarding Non-Blacklisting
Form 9	Declaration regarding Acceptance of Tender Conditions
Form 10	Site Visit Declaration
Form 11	List of Proposed Makes and Models
Form 12	Integrity and Non-Collusion Declaration
Form 13	Power of Attorney / Authorization
Form 14	Performance Security Format
Form 15	Agreement Format

FORM 1 – LETTER OF TECHNICAL BID

(To be submitted on bidder's letterhead)

To

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra, Kochi – 682020

Sub: Tender for Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for Fire Protection System at Indira Gandhi College of Nursing, Thiruvaniyur Panchayath.

Sir,

Having examined the Tender Documents, site conditions and all information relating to the above work, we hereby submit our Technical Bid.

We confirm that:

1. We have carefully examined the Tender Documents.
2. We have visited and inspected the site.
3. We accept all terms and conditions of the Tender.
4. We possess the technical and financial capability to execute the work.
5. We have not been blacklisted by any Government Department, PSU, Local Body or Statutory Authority.
6. We undertake to complete the work within the stipulated Contract Period.
7. We undertake to obtain Final Fire Clearance / NOC from Kerala Fire & Rescue Services as specified in the Tender.

We understand that CCHS reserves the right to accept or reject any bid without assigning reasons.

If our bid is accepted, we undertake to furnish Performance Security and execute the agreement within the stipulated period.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 2 – BIDDER INFORMATION FORM

(To be submitted on bidder's letterhead)

Sl. No.	Particulars	Details
1	Name of Bidder	
2	Registered Address	
3	Address for Communication	
4	Contact Person	
5	Phone Number	
6	Email ID	
7	GST Number	
8	PAN	
9	Year of Establishment	
10	Type of Organization	
11	Details of Service Support Office	

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 3 – FINANCIAL CAPACITY DECLARATION

We hereby certify that the average annual turnover of our firm during the last three financial years is as follows:

Financial Year	Turnover (₹)
Year 1	
Year 2	
Year 3	

Average Annual Turnover: ₹ _____

We certify that the above information is true and correct.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 4 – WORK EXPERIENCE STATEMENT

Details of Similar Works Completed During Last Seven Years

Sl. No.	Name of Work	Client	Value	Year	Completion Status

The bidder shall attach:

- Work Orders
- Completion Certificates
- Client references

Use extra sheets if needed.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 5 – LIST OF ONGOING WORKS

Sl. No.	Name of Work	Client	Value	Year	Completion Status

The bidder shall attach:

- Work Orders
- Completion Certificates
- Client references

Use extra sheets if needed.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 6 – LIST OF TECHNICAL PERSONNEL

Sl. No.	Name	Qualification	Experience	Proposed Role

We confirm that the above personnel shall be available for execution of the work.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 7 – TECHNICAL COMPLIANCE STATEMENT

Tender for Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for Fire Protection System at Indira Gandhi College of Nursing, Thiruvaniyur Panchayath.

The bidder shall indicate compliance against each requirement.

Sl. No.	Requirement	Complied (Yes/No)	Remarks
1	Fire Pumping System		
2	Fire Hydrant System		
3	Automatic Sprinkler System		
4	Manual Fire Alarm System		
5	Fire Extinguishers		
6	Safety Signages		
7	Testing & Commissioning		
8	As-Built Drawings		
9	O&M Manuals		
10	Training of Personnel		
11	Obtaining Final Fire NOC		

Any deviations shall be clearly stated separately.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 8 – SITE VISIT DECLARATION

Date: _____

To

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra, Kochi – 682020

Sub: Declaration of Site Visit

We hereby declare that we have visited and inspected the site of the proposed work and have familiarized ourselves with:

- Site conditions.
- Existing building conditions.
- Existing fire water storage arrangements.
- Pump room facilities.
- Access constraints.
- Routing requirements.
- Coordination requirements.
- All other factors affecting execution of the work.

We further confirm that no claim shall be made on account of lack of knowledge of site conditions.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 9 – NON-BLACKLISTING DECLARATION

Date: _____

To

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra, Kochi – 682020

Sub: Declaration Regarding Blacklisting

We hereby declare that:

1. Our firm has not been blacklisted, debarred or banned by any Central Government Department, State Government Department, Public Sector Undertaking, Local Body or Statutory Authority.
2. No order of blacklisting or debarment is currently in force against our firm.
3. No criminal proceedings relating to fraud, corruption or misrepresentation are pending against the firm or its proprietors/directors/partners that would affect execution of this Contract.

We understand that if any information furnished above is found false, our bid shall be liable for rejection and appropriate action may be initiated by CCHS.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 10 – DECLARATION OF ACCEPTANCE OF TENDER CONDITIONS

Date: _____

To

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra, Kochi – 682020

Sub: Acceptance of Tender Conditions

We have carefully examined the Tender Documents including:

- Notice Inviting Tender.
- Instructions to Bidders.
- General Conditions of Contract.
- Technical Specifications.
- BOQ.
- All Addenda and Corrigenda.

We hereby accept all terms and conditions of the Tender without reservation.

We further undertake to execute the work strictly in accordance with the Tender Documents if awarded the Contract.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 11 – LETTER OF FINANCIAL BID

Date: _____

To

The Secretary

Cochin Co-operative Hospitals Society Ltd. No. E-288

Kadavanthra, Kochi – 682020

Sub: Financial Bid

Sir,

Having examined the Tender Documents and having understood the scope of work, we hereby offer to execute the work of Supply, Installation, Testing, Commissioning and Obtaining Final Fire NOC for Fire Protection System at Indira Gandhi College of Nursing, Thiruvaniyur Panchayath for the amount quoted in the Financial Bid.

We confirm that:

1. The quoted rates include all obligations under the Contract.
2. The quoted rates shall remain firm and fixed throughout the Contract Period.
3. We shall complete the work within the stipulated Completion Period.
4. We shall obtain Final Fire Clearance / NOC from Kerala Fire & Rescue Services as required under the Contract.
5. We shall comply with all statutory requirements.

We agree that this offer shall remain valid for 120 days from the date of opening of Technical Bids.

Date : _____

Place : _____

For and on behalf of:

(Name of Bidder / Firm)

Signature of Authorized Signatory

Name : _____

Designation : _____

Office Seal

FORM 12 – FORM OF AGREEMENT

Contract Agreement

THIS AGREEMENT made theday of,, between *name of the Employer*. (hereinafter “the Employer”), of the one part, and *name of the Contractor* (hereinafter “the Contractor”), of the other part:

WHEREAS the Employer desires that the Works known as *name of the Contract*. should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall be interpreted in the following order of priority and shall prevail over all other Contract documents.
 - a) the Contract Agreement,
 - b) the Letter of Acceptance,
 - c) the Letter of Bid,
 - d) the Particular Conditions of Contract,
 - e) the General Conditions of Contract,
 - f) the Bill of Quantities
 - g) the Specification,
 - h) the Drawings,
 - i) the Completed Activity Schedules, and
 - j) any other document listed in the **PCC** as forming part of the Contract.
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *name of the borrowing country*.on the day, month and year indicated above.

Signed by.....

Signed by

for and on behalf of the Employer

for and on behalf the Contractor

in the presence of:

in the presence of:

Witness, Name, Signature, Address, Date

Witness, Name, Signature, Address, Date

FORM 13 – PERFORMANCE SECURITY FORMAT

(To be submitted by Successful Bidder)

Bank's Name, and Address of Issuing Branch or Office

Beneficiary: *Name and Address of Employer*

Date:

Performance Guarantee No.:

We have been informed that *name of the Contractor* (hereinafter called “the Contractor”) has entered into Contract No. *reference number of the Contract*. datedwith you, for the execution of
..... *name of contract and brief description of Works*. (hereinafter called “the Contract”).

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we *name of the Bank*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *name of the currency and amount in*

1

figures (..... *amount in words*.) such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of,², and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458³, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....

Seal of Bank and Signature(s)

4. EMPLOYER'S REQUIREMENTS AND TECHNICAL SPECIFICATIONS

4.1. GENERAL REQUIREMENTS

The Contractor shall design (where required), supply, install, test, commission and hand over a complete Fire Protection System for the College Building of Indira Gandhi College of Nursing. The Contractor shall provide all materials, equipment, accessories, fittings, supports, fasteners, consumables, labour, tools, testing instruments and services necessary for satisfactory completion of the work.

The system shall be complete in all respects and capable of obtaining Final Fire NOC from Kerala Fire & Rescue Services Department.

Any item not specifically mentioned but required for proper functioning of the system shall be deemed included in the Contractor's scope.

4.2. APPLICABLE CODES AND STANDARDS

The works shall comply with the latest editions of:

- National Building Code (NBC) 2016 – Part 4 Fire and Life Safety.
- IS 15105 – Fixed Fire protection Systems.
- IS 13039 – Internal Hydrant Systems.
- IS 3844 – Installation and Maintenance of Internal Fire Hydrants.
- IS 15325 – Automatic Sprinkler Systems.
- IS 2189 – Fire Detection and Alarm Systems.
- Relevant BIS Standards.
- CPWD Fire protection Specifications.
- Kerala Fire & Rescue Services Requirements.
- Manufacturer's recommendations.

Where two standards differ, the more stringent requirement shall prevail.

4.3. SCOPE OF WORK

The scope shall include:

Fire Pumping System

- Main Fire Pump.
- Jockey Pump.
- Control Panel.
- Accessories.

Fire Hydrant System

- Hydrant piping.
- Landing valves.
- Hose reels.
- Branch piping.
- Valves and fittings.

Automatic Sprinkler System

- Sprinkler piping.
- Sprinkler heads.
- Control valves.
- Accessories.

Manual Fire Alarm System

- Fire Alarm Control Panel.
- Manual Call Points.
- Hooters / Sounders.
- Cabling and accessories.

Fire Extinguishers

- Portable Fire Extinguishers.
- Mounting brackets.
- Identification signage.

Signages

- Exit signs.
- Fire action signs.
- Equipment identification signs.
- Assembly point signs.

Statutory Approvals

- Preparation of drawings.
- Submission of documents.
- Coordination with authorities.
- Obtaining Final Fire NOC.

4.4. FIRE PUMPING SYSTEM AND ACCESSORIES

The Fire Pumping System shall be connected to the existing Fire Water Storage Arrangement and Pump Room available at site.

The Contractor shall verify all existing conditions before execution.

The Fire Pumping System shall include:

- Main Fire Pump.
- Jockey Pump.
- Pump Control Panel.
- Suction and delivery piping.
- Pressure gauges.
- Isolation valves.
- Non-return valves.
- Pressure switches.
- Foundation bolts.
- Supports.
- Electrical interconnections.

The pumps shall:

- Be suitable for continuous duty.
- Be tested before commissioning.
- Meet the required hydraulic performance.
- Be capable of serving the Hydrant and Sprinkler Systems.

All accessories required for satisfactory operation shall be included irrespective of specific mention in the BOQ.

4.5. FIRE HYDRANT SYSTEM

The Fire Hydrant System shall be complete in all respects and shall include all components necessary for effective firefighting operations.

The system shall include:

- Hydrant piping network.
- Landing valves.
- Hose reels.
- Branch connections.
- Isolation valves.
- Pipe supports.
- Identification labels.
- Accessories.

Pipes shall be:

- Heavy Class MS Pipes or as specified in the BOQ.
- Properly aligned.
- Adequately supported.
- Protected against corrosion.

The Contractor shall ensure:

- Proper accessibility of hydrants.
- Adequate operating pressure.
- Leak-free performance.
- Compliance with applicable standards.

The Hydrant System shall be hydrostatically tested before commissioning.

All defects observed during testing shall be rectified at the Contractor's cost.

4.6.AUTOMATIC SPRINKLER SYSTEM

The Automatic Sprinkler System shall be designed, supplied, installed, tested and commissioned in accordance with applicable standards and approved drawings.

The system shall include:

- Sprinkler piping network.
- Sprinkler heads.
- Control valves.
- Drain arrangements.
- Pipe supports and hangers.
- Identification labels.
- Accessories and fittings.

The Contractor shall ensure that:

- Sprinklers are installed at the correct locations and levels.
- Pipe routing does not interfere with other building services.
- Adequate clearances are maintained.
- Proper accessibility is provided for operation and maintenance.
- The system is fully integrated with the Fire Pumping System.

All sprinklers shall be installed free from damage and contamination.

The completed system shall be hydrostatically tested and demonstrated to be leak-free before commissioning.

Any modifications required for coordination with actual site conditions shall be carried out without affecting system performance.

4.7.MANUAL FIRE ALARM SYSTEM

The Manual Fire Alarm System shall be complete in all respects and shall include:

- Fire Alarm Control Panel.
- Manual Call Points (MCPs).
- Hooters / Sounders.
- Power Supply Units.
- Battery Backup.
- Cabling.
- Junction Boxes.
- Conduits.
- Accessories.

The Fire Alarm System shall provide:

- Manual alarm initiation.
- Audible warning throughout the designated areas.
- Visual indication of alarm conditions at the Control Panel.
- Monitoring of system health and power supply status.

The Contractor shall ensure:

- Proper cable routing.
- Secure mounting of devices.
- Protection against mechanical damage.
- Ease of operation and maintenance.

The Contractor shall test each Manual Call Point, Hooter and associated circuit before commissioning.

The system shall comply with the requirements of IS 2189 and NBC 2016.

4.8. PORTABLE FIRE EXTINGUISHERS

Portable Fire Extinguishers shall be supplied and installed at locations indicated in the approved drawings and as required by Kerala Fire & Rescue Services Department.

The extinguishers shall be:

- New and unused.
- BIS marked wherever applicable.
- Suitable for the identified fire risks.
- Properly mounted and labeled.

The scope shall include:

- Supply of extinguishers.
- Mounting brackets.
- Identification signage.
- Initial charging.
- Installation.
- Testing and certification.

The Contractor shall provide operating instructions at each extinguisher location.

Extinguishers shall be handed over in fully serviceable condition.

4.9. FIRE AND SAFETY SIGNAGES

The Contractor shall provide all Fire and Life Safety Signages required under:

- NBC 2016.
- Kerala Fire & Rescue Services requirements.
- Approved Fire Drawings.

The scope shall include, but not be limited to:

- Exit Sign Boards.
- Directional Exit Signs.
- Fire Extinguisher Location Signs.
- Fire Hose Reel Identification Signs.
- Hydrant Identification Signs.
- Fire Alarm Call Point Signs.
- Assembly Point Signs.
- Fire Action Notices.
- Equipment Identification Labels.

Signages shall:

- Be durable.
- Be clearly visible.
- Be permanently fixed.
- Be located at appropriate positions.
- Use approved symbols and lettering.

The Contractor shall ensure that all signages remain legible and properly aligned after installation.

4.10. INSTALLATION REQUIREMENTS

All materials and equipment shall be installed by qualified personnel experienced in Fire Protection Systems.

The Contractor shall:

- Follow approved Shop Drawings.
- Coordinate with other services.
- Protect finished surfaces.
- Avoid unnecessary damage to the building.
- Maintain neat workmanship throughout the installation.

The Contractor shall provide all necessary:

- Supports.

- Clamps.
- Hangers.
- Sleeves.
- Fasteners.
- Anchors.
- Protective coatings.

required for a complete installation.

Cutting, chasing and making good shall be carried out carefully and restored to the satisfaction of CCHS.

All exposed installations shall be properly aligned, levelled and finished.

The Contractor shall maintain the site in a clean and orderly condition and remove debris generated during the execution of the Works.

Upon completion, the entire installation shall be cleaned and made ready for inspection and commissioning.

4.11. TESTING AND COMMISSIONING REQUIREMENTS

The Contractor shall carry out all testing and commissioning activities necessary to demonstrate satisfactory operation of the complete Fire Protection System.

The scope shall include, but not be limited to:

Fire Pump Testing

- Verification of flow and pressure.
- Automatic operation.
- Manual operation.
- Pressure switch operation.
- Pump control panel operation.
- Electrical protections.

Hydrant System Testing

- Hydrostatic pressure testing.
- Leak testing.
- Valve operation checks.
- Hose reel operation.
- Landing valve operation.

Sprinkler System Testing

- Hydrostatic pressure testing.
- Leak testing.
- Valve operation.
- Functional verification.

Fire Alarm System Testing

- Manual Call Point operation.
- Hooter operation.
- Control Panel operation.
- Battery backup verification.
- Circuit continuity checks.

Integrated System Testing

The Contractor shall demonstrate satisfactory operation of the complete Fire Protection System as an integrated installation.

All testing shall be carried out in the presence of CCHS or its authorized representative.

Any defects identified during testing shall be rectified by the Contractor at no additional cost.

The Contractor shall submit detailed test reports and commissioning reports for approval.

Successful completion of testing and commissioning shall be a prerequisite for issue of Completion Certificate.

4.12. DOCUMENTATION REQUIREMENTS

Before final completion of the work, the Contractor shall submit the following documents in hard copy and digital format:

Drawings

- Approved Shop Drawings.
- As-Built Drawings.
- Schematic Diagrams.
- Equipment Layout Drawings.

Technical Documents

- Product Data Sheets.
- Manufacturer Literature.
- Equipment Schedules.
- Test Certificates.
- Calibration Certificates, wherever applicable.

Commissioning Documents

- Test Reports.
- Commissioning Reports.
- Performance Certificates.

Handover Documents

- Warranty Certificates.
- Operation and Maintenance Manuals.
- Preventive Maintenance Schedules.
- Contact Details for Service Support.

The Contractor shall submit a minimum of three (3) hard copies and one digital copy of all documentation.

Completion shall not be deemed achieved until all required documentation has been submitted and accepted.

4.13. TRAINING REQUIREMENTS

The Contractor shall provide training to personnel nominated by CCHS.

Training shall cover:

Fire Pump System

- Starting and stopping procedures.
- Routine inspections.
- Emergency operation.

Fire Hydrant System

- Use of hydrants.
- Use of hose reels.
- Inspection procedures.

Sprinkler System

- System overview.
- Routine checks.
- Emergency precautions.

Fire Alarm System

- Alarm operation.
- Acknowledgement procedures.
- Reset procedures.
- Battery maintenance.

Fire Extinguishers

- Identification of extinguisher types.
- Safe operation.
- Basic fire response procedures.

Training shall be conducted after commissioning and prior to final handover.

No separate payment shall be made for training.

The Contractor shall submit a training completion record signed by the participants.

4.14. FIRE NOC REQUIREMENTS

Obtaining Final Fire NOC from Kerala Fire & Rescue Services Department shall form part of the Contractor's scope of work.

The Contractor shall:

- Prepare all required drawings.
- Prepare all required documents.
- Submit applications.
- Coordinate inspections.
- Attend meetings with authorities.
- Provide clarifications.
- Conduct demonstrations.
- Rectify observations related to the Contractor's scope.
- Obtain Final Fire NOC.

The Contractor shall maintain close coordination with Kerala Fire & Rescue Services Department throughout the approval process.

If observations are raised by the authorities relating to:

- Installation deficiencies.
- Equipment deficiencies.
- Documentation deficiencies.
- Non-compliance with approved drawings.
- Non-compliance with applicable standards.

the Contractor shall rectify the same at no additional cost to CCHS.

The Works shall not be considered complete until Final Fire NOC has been obtained and handed over.

Any additional minor accessories, fittings, supports, labels, notices, identification plates, signages, fixing hardware, documentation or incidental items required by Kerala Fire & Rescue Services Department for obtaining Final Fire NOC, though not specifically listed in the BOQ, shall be deemed included in the Contractor's scope and quoted rates.

4.15. APPROVED MAKES

The following makes are approved for use under this Contract.

Equivalent makes may be considered only with prior written approval of CCHS, provided the proposed product meets or exceeds the specified technical requirements.

SL.N O	ITEM	MAKE
1	MAIN AND STANDBY PUMPS	CROMPTON / KIRLOSKAR / LUBI/M&P
2	DIESEL ENGINE	CROMPTON / KIRLOSKAR /LUBI/M&P
3	JOC KEY PUMP	CROMPTON / KIRLOSKAR
4	ELECTRIC MOTORS MAIN AND STANDBY	GRUND FOS / KIRLOSKAR /CROMPTON /ABB/LUBI
5	FIRE PUMP PANEL SWITCH GEARS	L&T / ABB / SCHNIDER / GE
6	POWER CABLES	POLYCAB / FINOLEX
8	G.I/M.S PIPE	TATA / JINDAL
9	PAINTS	ASIAN / NEROLAC / BERGER
10	BUTTERFLY VALVE	INTERVALVE / AUDCO / KARTAR

11	NON RETURN VALVE	AUDCO / INTERVALVE /SKS/KARTAR
12	BALL VALVE	RB / TBS / ITAP
13	STRAINER	KALPANA / KIRLOSKAR / SANT
14	FOOTVALVE	RB / KALPANA / KIRLOSKAR
15	PRESSURE REDUCING VALVE	HAWK / HONEYWELL / RB / ITAP
16	PRESSURE GUAGE	WAREE / NATIONAL / H GURU / BAUMER
17	PRESSURE SWITCH	INDFOSS / DANFOSS / WAREE
18	PRESSURE VESSEL/AIR CUSHION VESSEL	FABRICATED TYPE
19	ANTI CORROSIVE WRAPPING	PYPKOTE / IWL
20	FIRE HYDRANT VALVE	WINCO / NEWAGE /SHABOGILAL
21	BRANCH PIPE	WINCO / NEWAGE / SWATI
22	C. P. HOSE	CRC / NEWAGE / MITRAS / MONSHER
23	FIRE HOSE REEL DRUM	WINCO/ NEWAGE/ MONSHER
24	HOSE BOX / FIRE DUCT SHUTTER	FRIENDS / MINIMAX / SAFEX
25	PORTABLE FIRE EXTINGUISHERS	SAFEX / NEWAGE / AMPREX
26	SPRINKLER BULBS	HD / SHARP/MONSHER/NEWAGE
27	SPRINKLER ALARM VALVE	HD / NEWAGE/ VIKING/ULLISTED MAKE
28	FLOW SWITCH	SYSTEM SENSOR / TYCO / HONEYWELL
29	FLEXIBLE DROP	NEWAGE / FLEXY DROP
30	AIR RELEASE VALVE	NEWAGE / ITAP/ RB / PEX
31	FIRE BRIGADE INLET	WINCO /NEWAGE /KARTAR
32	SIGHT GLASS UNIT	KARTAR
33	ANTI VIBRATION PAD & FLEXIBLE CONNECTIONS	KANWAL / DUNLOP
CONVENTIONAL FIRE ALARM EQUIPMENTS:		
34	FIRE ALARM CONTROL	PANEL RAVEL/ASES
35	DEVICES & DETECTORS	RAVEL/ASES
36	FIRE ALARM CABLE	FINOLEX / HAVELLS / POLYCAB
37	STANDBY BATTERY	EXIDE / AMARON / STANDARD
38	MANUAL CALL POINT	RAVEL/ASES
39	PVC CONDUIT	BALCO ISI MARKED

Materials from makes other than those specified above shall not be used without prior written approval of CCHS.

The Contractor shall submit product catalogues and technical datasheets for approval before procurement.

Approval of a make shall not relieve the Contractor from responsibility for performance, quality or compliance.

5. SPECIAL CONDITIONS OF CONTRACT (SCC)

5.1.General

These Special Conditions of Contract shall supplement the General Conditions of Contract.

In case of any conflict between the General Conditions of Contract and these Special Conditions of Contract, the provisions of these Special Conditions shall prevail.

5.2. Site Verification

The Contractor shall inspect and verify all site conditions before commencement of the work.
The Contractor shall satisfy himself regarding:

- Existing building conditions.
- Existing water storage arrangements.
- Pump room facilities.
- Existing electrical installations.
- Routing of pipes and cables.
- Access limitations.
- Space constraints.

No claim for additional payment or extension of time shall be entertained on account of failure to inspect site conditions.

5.3. Existing Building and Services

The work is to be executed in an existing building.

The Contractor shall take utmost care to avoid damage to:

- Structural elements.
- Architectural finishes.
- Electrical installations.
- Plumbing systems.
- Existing services.
- Furniture and fixtures.

Any damage caused shall be repaired or restored by the Contractor at his own cost.

5.4. Working Hours and Coordination

The Contractor shall coordinate execution of the works with the Employer and other agencies working at site.

Where required, work shall be carried out during off-peak hours so as to minimize inconvenience to building users.

No additional payment shall be made on account of such coordination requirements.

5.5. Storage of Materials

Space available for storage at site may be limited.

The Contractor shall make his own arrangements for:

- Storage.
- Security.
- Handling.
- Protection of materials.

CCHS shall not be responsible for loss, theft or damage to materials stored at site.

5.6. Cutting, Chasing and Making Good

The Contractor shall carry out all cutting, drilling, chasing, trenching and similar works required for execution of the Contract.

Upon completion, all disturbed surfaces shall be restored to their original condition.

The quoted rates shall be deemed to include all such works.

No separate payment shall be made.

5.7. Coordination with Other Services

The Contractor shall coordinate with:

- Electrical installations.
- Plumbing installations.
- Civil works.
- Interior works.
- Other building services.

Any minor adjustments necessary for proper coordination shall be carried out without additional cost to CCHS.

5.8. Quality of Materials

Only approved makes specified in the Tender shall be used.

The Contractor shall submit:

- Product catalogues.
- Datasheets.
- Manufacturer literature.

for approval prior to procurement.

Approval of materials shall not relieve the Contractor of responsibility for quality and performance.

5.9. Submission of Shop Drawings

The Contractor shall prepare and submit Shop Drawings before commencement of installation.

Installation shall not commence until the relevant drawings have been approved by CCHS.

Approval shall not relieve the Contractor from responsibility for correctness and coordination.

5.10. Testing and Commissioning

All testing and commissioning shall be carried out by the Contractor at his own cost.

The Contractor shall provide:

- Instruments.
- Testing equipment.
- Consumables.
- Labour.
- Water.

required for testing.

All deficiencies observed during testing shall be rectified before commissioning.

5.11. Documentation Requirements

Before submission of the Final Bill, the Contractor shall submit:

- Approved Shop Drawings.
- As-Built Drawings.
- Test Reports.
- Commissioning Reports.
- Warranty Certificates.
- O&M Manuals.
- Training Records.
- Fire NOC Documents.

Failure to submit the above documents shall constitute incomplete performance under the Contract.

5.12. Training of Employer's Personnel

The Contractor shall provide training to personnel nominated by CCHS regarding:

- Fire Pump Operation.
- Hydrant System Operation.
- Sprinkler System Overview.
- Fire Alarm Operation.
- Fire Extinguisher Usage.
- Routine Maintenance Requirements.

No separate payment shall be made for training.

5.13. Fire NOC Responsibility

Obtaining Final Fire NOC from Kerala Fire & Rescue Services Department is an integral part of the Contract.

The Contractor shall:

- Prepare all required submissions.
- Coordinate inspections.
- Attend statutory inspections.
- Provide demonstrations.

- Submit required certificates.
- Obtaining Final Fire Clearance / NOC from Kerala Fire & Rescue Services.

The work shall not be considered complete until Final Fire NOC has been obtained and handed over to CCHS.

5.14. Rectification of Fire Department Observations

Any observations, comments or deficiencies raised by Kerala Fire & Rescue Services Department relating to the Contractor's scope shall be rectified by the Contractor without additional cost to CCHS.

Such rectification shall include:

- Additional fittings.
- Identification labels.
- Signages.
- Minor modifications.
- Documentation updates.
- Testing requirements.

No separate payment shall be admissible for such rectifications.

5.15. Additional Minor Items

Any additional minor accessories, fittings, supports, clamps, fasteners, labels, notices, identification plates, signages, documentation or incidental items required for satisfactory operation of the Fire Protection System and obtaining Final Fire NOC shall be deemed included in the Contractor's scope and quoted rates.

No claim for extra payment shall be entertained for such items.

5.16. Warranty Support

The Contractor shall provide comprehensive warranty support during the Warranty Period.

Response Time for Complaints:

Within 48 Hours

Rectification Time:

Within 7 Days

Emergency breakdowns affecting the Fire Protection System shall be attended immediately.

5.17. Availability of Spare Parts

The Contractor shall ensure availability of spare parts and service support for a minimum period of five (5) years after completion of the work.

5.18. Final Completion

The Works shall be considered complete only after:

- Installation is completed.
- Testing and commissioning are completed.
- Documentation is submitted.
- Training is completed.
- Defects are rectified.
- Final Fire NOC is obtained.

Issue of Completion Certificate and release of final payment shall be subject to fulfillment of all the above requirements.

5.19. Employer's Right to Execute Balance Work

If the Contractor fails to complete any portion of the work within a reasonable period after written notice, CCHS may arrange execution through another agency.

The cost incurred by CCHS shall be recoverable from:

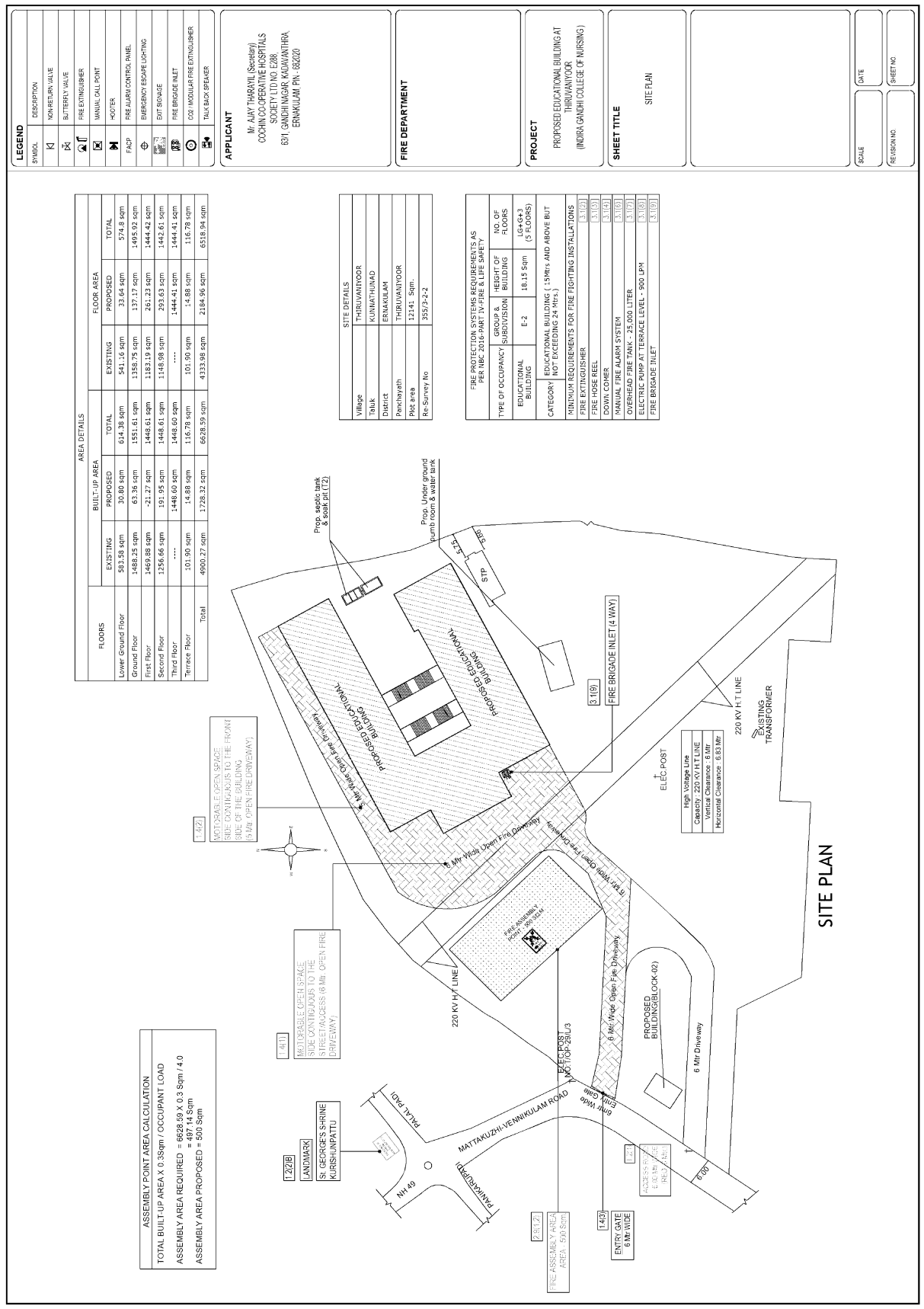
- Pending bills.
- Retention Money.
- Performance Security.

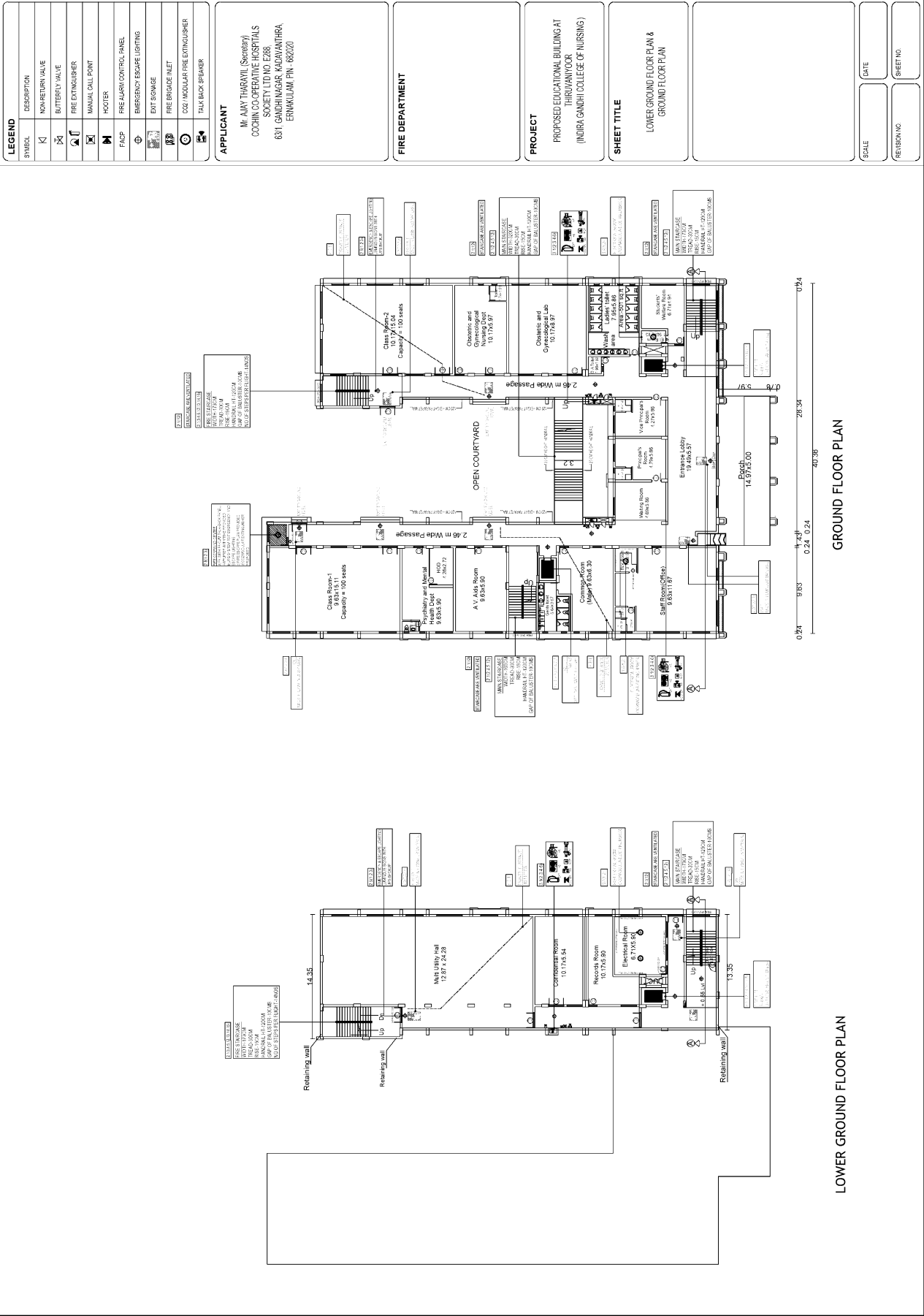
or any other amount due to the Contractor.

5.20. Interpretation

The decision of CCHS regarding interpretation of the Contract Documents, Specifications and Scope of Work shall be final and binding on the Contractor.

6. DRAWINGS





LEGEND	
SYMBOL	DESCRIPTION
	NON-RETURN VALVE
	BUTTERFLY VALVE
	FIRE EXTINGUISHER
	MANUAL CALL POINT
	HOOTER
	FIRE ALARM CONTROL PANEL
	EMERGENCY ESCAPE LIGHTING
	EXIT SIGN
	FIRE BRIGADE INLET
	CO2 MODULAR FIRE EXTINGUISHER
	TALK BACK SPEAKER

APPLICANT

Mr. AJAY THARAYIL (Secretary)
COCHIN CO-OPERATIVE HOSPITALS
SOCIETY LTD NO. E288,
63/1, GANDHINAGAR, KADAVANTHRA,
ERNAKULAM PIN - 682020

FIRE DEPARTMENT

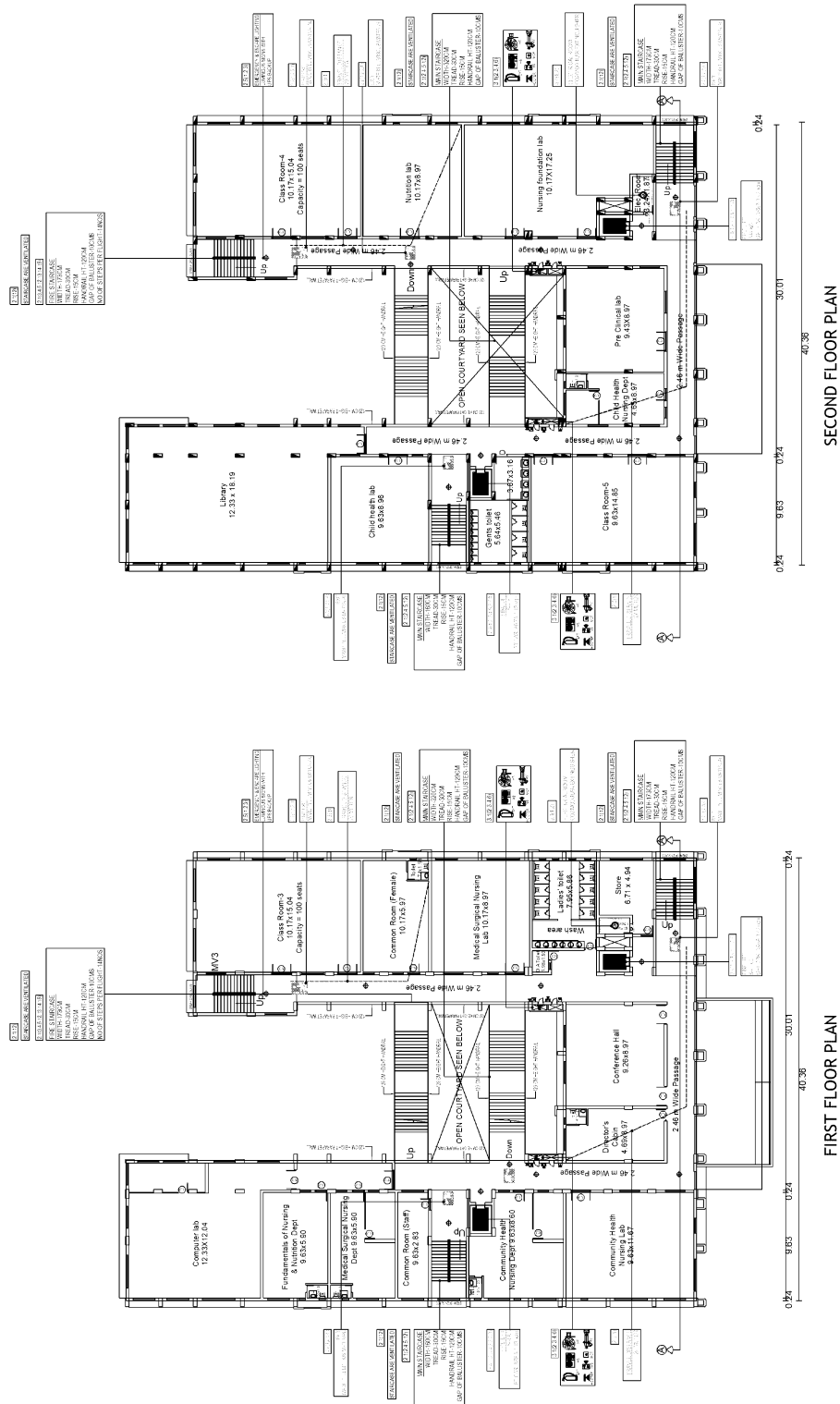
PROJECT

PROPOSED EDUCATIONAL BUILDING AT
THIRUVANIYOOR
INDIRA GANDHI COLLEGE OF NURSING)

SHEET TITLE

FIRST FLOOR PLAN & SECOND FLOOR PLAN

SCALE	DATE
REVISION NO.	SHEET NO.



SECOND FLOOR PLAN

FIRST FLOOR PLAN

7. TENDER SCHEDULE

INDIRA GANDHI COLLEGE OF NURSING					
SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF FIRE PROTECTION SYSTEM					
PROJECT CATEGORY:	EDUCATIONAL BUILDING (HEIGHT 15 MTR AND ABOVE BUT NOT EXCEEDING 24 MTR)				
LOCATION:	THIRUVANIYUR				
NO OF FLOORS :	LG+G+3				
CLIENT:	COCHIN CO-OPERATIVE SOCIETY LTD NO.E288,63/1				
BILL OF QUANTITY					
Sl.No:	Description	Unit	Qty	Rate	Amount
A	PUMPS & ACCESSORIES				
1	Supply, Installation, Testing and Commissioning Electrically driven Mono block Terrace pump of capacity 900 LPM with all the necessary accessories operating on 3 Ph. 50 Hz. 415 V AC supply including foundation, bolts etc. complete, The Pump set shall be of SUITABLE HP . (Foundation required shall be provided by the client).	Nos	1		
	MAKE: KIRLOSKAR/CROMPTON / LUBI				
2	Supply, Installing, Testing and Commissioning of Automatic Motor Control Panel for automatic operation.(Cabling should be client scope)	Nos	1		
3	Supply, Installation, Testing and Commissioning of Pressure Gauge with required range/capacity.	Nos	1		
	Make: H-Guru				
4	Supply, Installation, Testing and Commissioning of Pressure Switch for automatic operation.	Nos	1		
	Make: Indfoss / Danfoss				
5	Supplying, Installing, Testing and Commissioning CI Butterfly valve slim seal standard lever operated type PN.10 with required flanges, nuts, bolts etc. complete.				
	a) 100 mm dia	Nos	3		
	Make: Intervale / Kartar / CRI				
6	Supply, Installation, Testing and Commissioning of C.I. Non-Return Valve slim seal type PN.10 with required				

	flanges, nuts & bolts, gasket etc. complete				
	a) 100 mm dia	Nos	1		
	Make: Intervale / Kartar / CRI				
	TOTAL OF PART A				
B	FIRE HYDRANT SYSTEM				
1	Above Ground Piping: Supply, Erection, Testing and Commissioning of MS 'C' class Pipes confirming to IS :1239 part - I with malleable specials confirming to IS:1239 part - II, such as elbows, reducers, flanges etc. Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports, The pipe shall be painted with one coat of primer and two coats of synthetic enamel paint of approved colour / shade. (Core cutting in walls/beams/columns for laying pipes shall be provided by client, if necessary)				
	a) 100 mm dia	Mtr	120		
	b) 80 mm dia	Mtr	12		
	c) 25 mm dia	Mtr	18		
	Make: Jindal / Tata				
2	Under Ground Piping: Supply, Erection, Testing and Commissioning of MS 'C' class Pipes confirming to IS :1239 part - I with malleable specials confirming to IS:1239 part - II, such as elbows, reducers, flanges etc. Including cutting, Welding, laying under ground, by using suitable supports, and wrapping with polymer corrosion protection tape with proper overlapping, trimming etc complete. etc. complete (The Rate for excavation shall be extra as applicable)				
	b) 100 mm dia	Mtr	6		
	c) 80 mm dia	Mtr	0		
	Make: Jindal / Tata				
3	Supply, Installation, Testing and Commissioning of instantaneous pattern SS Single Headed Hydrant valve of 63mm Dia With ISI Mark , oblique type, instantaneous hose coupling adaptor complete with PVC blank cap etc.	Nos	10		
	Make: NEWAGE/WINCO/SWATI				

4	Supply and Placed in position of Branch Pipe , 63mm with ISI mark female instantaneous inlet, male threaded outlet, complete with hexagonal base nozzle.	Nos	10		
	Make: NEWAGE/WINCO/SWATI				
5	Supply and Placed in position of Controlled Percolated Hose with ISI Mark conforming to IS: 636, 63mm dia, 15 Mtrs length with Alluminium 63 mm pair of male and female couplings etc.	Nos	18		
	Make: CRC/NEWAGE/SWATI				
6	Supply, Installation, Testing and Commissioning of Hydraulic Hose Reel drum completed with swinging type drum with 19mm dia Rubber braided hose of 30 Mtr. length and Shut off nozzle, with necessary fittings etc. complete.	Nos	9		
	Make: MITRA / MONSHER/ EVERSAFE				
7	Supplying, Installing, Testing and Commissioning of Cast iron Ball valves with fittings of screwed end type.	Nos	9		
	a) 25 mm dia				
	Make: CRI / MONSHER /INTERVALVE				
8	Supply & Fixing of Single Door Hose Cabinet to accommodate one piece of hose pipe along with one pair of male and female coupling and one branch pipe. The cabinet is made of 20swg M.S Sheet, glass fronted with hinged door and lock. The cabinet is spray painted to scarlet red color.	Nos	2		
	Make: FRIENDS/CAPITAL				
9	Supply & Fixing of Double Door Hose Cabinet to accommodate one piece of hose pipe along with one pair of male and female coupling and one branch pipe. The cabinet is made of 20swg M.S Sheet, glass fronted with hinged door and lock. The cabinet is spray painted to scarlet red color.	Nos	8		
	Make: FRIENDS/CAPITAL				
10	Supply, Installation, Testing and Commissioning of single acting Air Release Valve with screwed inlet etc.	Nos	2		
	a) 20 mm dia				
	Make: KARTAR/ATOM				

11	Supply, Installation, Testing and Commissioning of Fire Brigade Inlet connection with 3 nos of 63 mm dia. built - in Gun metal Non- return valves instantaneous coupling type arranged on 100 mm dia.etc. Pipe manifold shall be connected to the main line.	Nos	1		
	Make: NEWAGE/WINCO/SWATI				
	TOTAL OF PART B				
C	AUTOMATIC SPRINKLER SYSTEM				
1	Above Ground Piping: Supply, Erection, Testing and Commissioning of MS 'C' class Pipes confirming to IS :1239 part - I with malleable specials confirming to IS:1239 part - II, such as elbows, reducers, flanges etc. Including cutting, Welding, fixing in / on walls, ceiling by using suitable supports, The pipe shall be painted with one coat of primer and two coats of synthetic enamel paint of approved colour / shade. (Core cutting in walls/beams/columns for laying pipes shall be provided by client, if necessary)				
	a) 100 mm dia	Mtr	6		
	c) 80 mm dia	Mtr	18		
	d) 65 mm dia	Mtr	12		
	e) 50 mm dia	Mtr	12		
	f) 40 mm dia	Mtr	6		
	g) 32 mm dia	Mtr	48		
	h) 25 mm dia	Mtr	72		
	Make: Jindal / Tata				
2	Supply, installation, testing and commissioning of 15mm Sprinkler heads designed to operate at 68 deg. Celcius etc. with necessary fittings etc, complete (Extension of Pipeline /Flexible pipe will be at extra cost)				
	a) Pendent type	Nos	50		
	b) Sidewall type	Nos	0		
	c) Upright type	Nos	0		
	d) Flexible Sprinkler 1mtr, un braided	Nos	0		
	e) Flexible Sprinkler 1.5mtr, un braided	Nos	0		
	Make: NEWAGE/HD/MONSHER				
3	Supplying, Installing, Testing and Commissioning CI Butterfly valve slim seal standard lever operated type PN.10 with required flanges, nuts, bolts etc. complete.				
	a) 100 mm dia	Nos	1		
	b) 65 mm dia	Nos	0		

	Make: INTERVALVE/LP/KARTAR				
4	Supplying, Installing, Testing and Commissioning of Cast iron Ball valves with fittings of screwed end type.	Nos	1		
	a) 25 mm dia				
	Make: CRI/ MONSHER/ INTERVALVE				
5	Supplying, Installing, Testing and Commissioning of Flow Switch	Nos	1		
	Make: HONEYWELL/SYSTEM SENSOR/TYCO				
	TOTAL OF PART C				
D	MANUAL FIRE ALARM SYSTEM				
1	Supply, installing, testing and commissioning of Micro processor based Main Fire alarm control panel of 10 zones capacity, with visual LED indications for fire / fault alarms, signals and should have stage alarm facility normal operation and 15 minutes alarm operation. The panel shall be fabricated by M.S. sheet and powder coated both inside & out side, door shall be glass fronted type with locking arrangement, as per specification with battery backup..	Nos	1		
	Make: ASES / Ravel				
2	Supply, installing, testing and commissioning of Micro processor based Main PA console including talk back facility with mic & selector of 10 zones capacity, with suitable amplifier, visual LED indications for fire / fault alarms, signals and should have stage alarm facility normal operation and 15 minutes alarm operation. The panel shall be fabricated by M.S. sheet and powder coated both inside & out side, door shall be glass fronted type with locking arrangement, as per specification with battery backup	Nos	1		
	Make: ASES / Ravel				
3	Supply, Installation, Testing and Commissioning of two way talk back speaker with necessary required accessories	Nos	9		
	Make: ASES / Equi				
2	Supply, Installation, Testing and Commissioning of Manual Call Point break glass type as per standrad specification.	Nos	9		
	Make: ASES/ Ravel				

4	Supply, Installation, Testing and Commissioning of Electronic dual tone Hooter as per standard specification.	Nos	9		
	Make: ASES/ Ravel				
5	Supplying and laying of P.V.C conduit ISI Mark with all necessary fittings. Etc. (for F A & P A)				
	a) 20 mm dia	Mtr	400		
	Make: ISI Marked BALCO				
6	Supplying and laying of 1C x 1 Sq.mm cross section PVC insulated copper wires with ISI Mark (for F A & P A)	Mtr	900		
	Make: Polycab / V GUARD				
	TOTAL OF PART D				
E	FIRE EXTINGUISHERS				
1	Supplying, and Fixing of Dry chemical powder type fire extinguisher (ABC Type) with ISI Mark of 4 Kgs capacity , with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, discharge hose, wall mounting bracket etc. complete.	Nos	9		
	Make: SAFEX/KANEX/AMPREX				
2	Supplying, and Fixing of Modular Extinguisher (ABC Type) with ISI Mark of 5 Kgs capacity , with initial filling in brand new cylinder with powder coated finish, fitted with Gun metal union, discharge hose, wall mounting bracket etc. complete.	Nos	8		
	Make: SAFEX/KANEX/AMPREX				
	TOTAL OF PART E				
F	SIGNAGES (REQUIRED AS PER NBC)				
1	Supplying and fixing in position self glowing " FIRE DUCT " sign boards (12"x 4") made of luminescent safely, rigid sheet in red colour, photo luminescent with two hanging chains & necessary supports to hang it on ceiling.	Nos	9		
2	Supplying and fixing in position self glowing " FIRE EXIT " sign boards (12"x 4") made of luminescent safely, rigid sheet in green colour, photo luminescent with two hanging chains & necessary supports to hang it on ceiling.	Nos	4		

3	Supplying and fixing in position self glowing " MAIN STAIRCASE " sign boards (12"x 4") made of luminescent safely, rigid sheet in red colour, photo luminescent with two hanging chains & necessary supports to hang it on ceiling.	Nos	9		
3	Supplying and fixing in position self glowing " FIRE STAIRCASE " sign boards (12"x 4") made of luminescent safely, rigid sheet in red colour, photo luminescent with two hanging chains & necessary supports to hang it on ceiling.	Nos	4		
4	Supplying and fixing in position self glowing " FLOOR MARKING " sign boards (12"x 4") made of luminescent safely, rigid sheet in green colour, photo luminescent with two hanging chains & necessary supports to hang it on ceiling.	Nos	18		
4	Supplying and fixing in position self glowing EVACUATION CHART " sign boards A3 SIZE	Nos	10		
	TOTAL OF PART F				-
	TOTAL SUMMARY ABSTRACT				
1	TOTAL OF PART A - PUMPS & ACCESSORIES				
2	TOTAL OF PART B - FIRE HYDRANT SYSTEM				
3	TOTAL OF PART C - AUTOMATIC SPRINKLER SYSTEM				
4	TOTAL OF PART D - MANUAL FIRE ALARM SYSTEM				
5	TOTAL OF PART - E - FIRE EXTINGUISHERS				
6	TOTAL OF PART - F - SIGNAGES				
7	FINAL NOC DOCUMENTATION, ONLINE REGISTRATION AND FIRE INSPECTION CHARGES TO OBTAIN FINAL NOC				
GRAND TOTAL AMOUNT IN FIGURES			Rs		
GRAND TOTAL AMOUNT IN WORDS :- Rupees.					
Signature of the Contractor :					
Name and Address of the Contractor with Seal:					