

NOTICE INVITING TENDER FOR
FIRE FIGHTING WORKS AT GIRLS
HOSTEL, SRI GURU GOBIND SINGH
COLLEGE OF COMMERCE,
PITAMPURA, NEW DELHI

(TWO BID SYSTEM)

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New Delhi 110001

**Sri Guru Gobind Singh College of Commerce
(University of Delhi) Pitampura, New Delhi**

Sealed Item rate tenders in two bid system (Technical Bid and Financial Bid) are invited by the Principal, Sri Guru Gobind Singh College of Commerce for Fire Fighting Works at Girls Hostel Building, Sri Guru Gobind Singh College of Commerce, New Delhi from reputed building contractors who have executed similar works:, having completed three similar works costing not less than 3.25 Lacs or two similar works costing not less than 4.75 Lacs or one similar work costing not less than 6.17 Lacs in the last three years.

Tenderers shall furnish proof of satisfactory completion of such work issued by the client along with their full company profile including list of T&P, technical staff, PAN No, GSTN No., solvency certificate and 3-year ITR of company. Technical bid shall be opened first and after evaluation and finalization of technical bid, the list of eligible contractors shall be prepared and financial bid of the short-listed contractors shall be opened. The college authorities may carry-out site inspection of similar works carried by the contractors before opening of financial bids

Tender documents can be obtained from the office of Principal Sri Guru Gobind Singh College of Commerce, Pitampura New Delhi 110034 from 04/09/2017 to 19/09/2017 during working hours on payment of Rs. 500/- by DD in favor of Principal Sri Guru Gobind Singh College of Commerce

Earnest Money Deposit	Rs. 12,500/- (Rupees Twelve Thousand Five Hundred Only) in a separate envelope
Last Date of Sale of Tenders	19/09/2017
Last date of Submission of Tenders	20/09/2017 upto 3:00 pm
Date of Opening of Technical Bid	20/09/2017 at 3:30 pm
Date of Opening of Financial Bid	To be notified later

Note: Tender Document can also be downloaded from the college website www.sggsc.ac.in and Delhi University Website www.du.ac.in Downloaded tender shall accompany a DD of Rs. 500/- drawn in favor of Principal Sri Guru Gobind Singh College of Commerce, as cost of tender (Non-refundable). Downloaded tender documents shall be spiral bound before submission. Loose, Stapled or incomplete bid documents will be rejected.

Issued: _____

Dated: _____

Principal,
Sri Guru Gobind Singh College of Commerce
Pitampura, New Delhi

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APPENDIX

Defects Liability period	12 Months
Date of Commencement	The 10 th day after the date on which The Architect /Engineer-in-charge issues written orders to commence the works or the date of handing over the site whichever is later
Date of Completion	2 months from the date of commencement
Penalty for delay	5,000/-per day up-to maximum 10% of the cost of the works.
Value of work for Interim Certificate	Rs. 2,50,000/- (Rupees Two Lakh Fifty Thousand Only)
Earnest Money Deposit	Rs. 12,500/- (Rupees Twelve Thousand Five Hundred Only)
Retention Percentage	5%(As per the terms and conditions)
Performance Guarantee	Before issue of letter to start the work, Contractor shall furnish a performance guarantee in the form of a Bank Guarantee to the tune of Five percent (5%) of the cost of the accepted tender amount, which will be kept valid up to 12 months after completion of the works.
	No Mobilisation advance will be issued

Contractor

Employer

**Sri Guru Gobind Singh College of Commerce,
(University of Delhi) Pitampura, New Delhi**

Dated 04/09/2017

NOTICE INVITING TENDER

- 1) Sealed Tenders are invited by the Principal, Sri Guru Gobind Singh College of Commerce for Fire Fighting Works at Girls Hostel Building, Sri Guru Gobind Singh College of Commerce, New Delhi.
- 2) The Architects for this job are M/s Ranjit Singh & Associates, 1206 Surya Kiran Bldg, 19 Kasturba Gandhi Marg, New Delhi –110001. Ph. 011- 43560879 Email: rsa1206@msn.com.
- 3) The Tender shall be submitted in the prescribed Tender form.
- 4) The works are required to be completed within a period of two months from the date of commencement.
- 5) The date of commencement shall be from the 10th day after the date on which the Architect/Engineer-in-charge issues written orders to commence the work or from the date of handing over of the site whichever is later.
- 6) The contractor will prepare and submit a Phasing Plan with Bar Chart of all construction activities with targeted dates of completion and get it approved from the college authorities
- 7) Completed Tender should accompany PAN number, GSTN number, email address, phone number and registered address of the Contractor
- 8) Plans, specifications etc. pertaining to the works can be inspected in the office of M/s Ranjit Singh & Associates, 1206 Surya Kiran Bldg, 19 Kasturba Gandhi Marg, New Delhi 110001, during office hours on any working day OR in the office of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi with prior appointment.
- 9) CONTRACTORS are advised to inspect and examine the site and the surroundings and satisfy themselves before submitting their Tender as to the nature of the ground and sub-soil (so far as practicable), the form and the nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain necessary information as to the risks, contingencies and other circumstances which may influence or affect their Tender. CONTRACTOR shall be deemed to have full knowledge of the site, whether he inspects it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed.
- 10) Submissions of the Tender by the CONTRACTOR implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and local conditions and other factors bearing on the execution of the works.

- 11) A CONTRACTOR should quote in figures as well as in words rate(s) quoted. The amount for each item should be worked out and the requisite totals given. Special care shall be taken to write rates in figures as well as in words and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words. In case of figures the words "Rs." should be written before the figure of rupees and the words "paise" should be written at the end. Unless the rate is in whole rupees and followed by the word "only" it should invariably be upto two places of decimals.
- 12) All rates shall be quoted on the Tender form only.
- 13) The Tender shall be accompanied by earnest money deposit of Rs. 12,500/- (Rupees Twelve Thousand Five Hundred Only), in the form of a demand draft in favor of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.
- 14) On acceptance of the Tender, earnest money will be treated as a part of the security. In addition, contractor shall furnish performance guarantee in the form of an F.D.R or bank guarantee of 5% of the accepted Tender cost in favor of Principal, Sri Guru Gobind Singh College of Commerce, New Delhi before issue of letter to start the work
- 15) The CONTRACTOR, whose Tender is accepted, shall permit of the Principal, Sri Guru Gobind Singh College of Commerce, New Delhi at the time of making any payments to him for works done under the contract to deduct towards security deposit such sum as will along with the amount of earnest money already deposited amount to the following % of the cost of the work: -
 - 5% of the bill amount.
 - 50% of the security money will be released along with the final bill and the balance after expiry of the successful performance of the Defects Liability Period of one year without any interest.
- 16) Sri Guru Gobind Singh College of Commerce, New Delhi will return the earnest money where applicable, to every unsuccessful CONTRACTOR on return of all the Tender documents without any interest.
- 17) A CONTRACTOR shall submit the Tender which satisfies each condition laid down in this notice, failing which the Tender will be liable to be rejected.
- 18) Sri Guru Gobind Singh College of Commerce, New Delhi does not bind itself to accept the lowest or any tender or to give any reasons for their decision.
- 19) Sri Guru Gobind Singh College of Commerce, New Delhi reserves the right of accepting the whole or any part of the Tender and CONTRACTOR shall be bound to perform the same at his quoted rates.
- 20) GST or any other tax applicable in respect of this contract shall be payable by the Contractor and Sri Guru Gobind Singh College of Commerce will not entertain any claim whatsoever in respect of the same.

To,

The Principal
Sri Guru Gobind Singh College of Commerce,
Pitampura, New Delhi.

Dear Sir,

I/We have read and examined the following documents relating to Fire Fighting Works at Girls Hostel Building at Sri Guru Gobind Singh College of Commerce, New Delhi.

- 1) Notice Inviting Tender Specifications
- 2) Drawings
- 3) General Conditions of Contract
- 4) Special Conditions
- 5) Tender Schedule

I/We hereby Tender for execution of the works referred to in the aforesaid, documents upon the terms and conditions contained or referred to therein and in accordance in all respects with the specifications, designs, drawings and other relevant details at the rates quoted by us in the Tender schedule. We have visited and examined the site of works and are fully aware of the site conditions, having a bearing on the contract.

In consideration of I/We being invited to the Tender, I/We agree to keep the Tender open for acceptance for 90 Days from the due date of submission thereof and not make any modifications in the terms and conditions which are not acceptable to Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.

A sum of Rs. 12,500/- (Bank Draft No..... Dated.....) is hereby forwarded in Bank Draft in the favor of Principal, Sri Guru Gobind Singh College of Commerce, New Delhi as earnest money. If I/we fail to keep the Tender open as aforesaid or make any modifications in the terms and conditions of the Tender which are not acceptable to Principal, Sri Guru Gobind Singh College of Commerce, New Delhi. I/We agree that Principal, Sri Guru Gobind Singh College of Commerce, New Delhi, shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Should this Tender be accepted, I/we hereby agree to abide by and fulfill all the terms, conditions and provisions of the aforesaid documents.

If after the Tender is accepted, I/we fail to commence the execution of the works as provided in the conditions, I/we agree that Principal, Sri Guru Gobind Singh College of Commerce, New Delhi shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

I/We agree that should Principal, Sri Guru Gobind Singh College of Commerce, New Delhi. decide to forfeit earnest money as aforesaid, unless a sum equal to the earnest money mentioned above is paid by us forth-with, the principal Sri Guru Gobind Singh College of Commerce, New Delhi may at its option recover it out of the deposit and in the event of deficiency, out of any other money due to me/us or otherwise.

Duly authorized to sign the Tender
On behalf of M/s

.....

Name

Signature.....

Dated.....

Postal Address.....

SPECIAL CONDITIONS

1. The work shall be carried out as per specifications in the Tender schedule/latest C.P.W.D. Specifications, along with the correction slips; issued up to date of acceptance of Tender in case of doubt the decision of the Architect /Engineer In-charge shall be final and binding on the Contractor.
2. The Contractor shall carryout the work in stages as to cause minimum disturbance to the working of Sri Guru Gobind Singh College of Commerce, New Delhi and other organizations. He shall be responsible for any damage to the equipment or structures, injury to the personnel during the progress of the work and he shall be liable to pay compensation as may be decided by the Principal or his authorized representative in respect of such damages /injuries.
3. The serviceable materials out of the dismantled materials if any will be the property of the college and properly stacked by the Contractor as directed by the Engineer-in-charge. Decision of principal or his authorized representative on the service-ability of the dismantled materials shall be final and binding on the Contractor.
4. All labour Employed by the Contractor shall be covered by the workman's compensation act. Any death, injury or mishap to the workmen of the Contractor will entirely be the Contractor's responsibility and the College, shall not be liable to pay any damages for the same.
5. Contractor shall take adequate safety precautions to avoid any accident etc. at site. Shall erect proper barricades, sign boards, lights, etc. shall provide safety belts, safety shoes, head gears (helmet I.S.I standard) and shall be fully responsible for any criminal & civil liabilities. All safety arrangements are to be made by contractor at his own cost.
6. No labor or material rate escalation claims will be entertained from the contractor as this work has to be completed within 2 months from the date of commencement of work at site.
7. Rates quoted shall be applicable equally to all floors and shall include all lifts and leads. No extras on this account shall be payable.
8. Water and electricity shall be arranged by the Contractor. In case it is available, the same can be provided by the College authorities at one point. A recovery @ 1 % for providing electricity and 1% for providing water shall be made by the college authorities on gross value of work done by the contractor.
9. Rates quoted by the contractor shall be inclusive of all items of work listed below and Any work, supplies or services which might have not been specifically mentioned in the

specifications, schedule of items or drawings but are necessary for entire completion of the work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labour and materials necessary to complete the items of work in all respects

10. Contractor shall submit only computerized Bills supported with computerized measurement sheets in A4 size hard copy prints and soft copy in Microsoft Excel Format. Manual Handwritten bills or measurement sheets will not be accepted.
11. Labour Camp will be arranged by the contractor outside the college premises. Sri Guru Gobind Singh College of Commerce does not have space for labour camps inside its premises.
12. Principal SGGSCC Pitampura reserves the right to decrease the items of work, change the specifications of works or remove the entire/any section of work as may be deemed necessary to finish the works within the available budget.

GENERAL CONDITIONS OF CONTRACT

Definitions: the contract document consists of the agreement, the special and general conditions of the contract, specifications and bills of quantities including all modifications and the contract drawings prepared by the Architect from time to time

1. The site: shall mean the site of contract work at Sri Guru Gobind Singh College of Commerce, New Delhi.
2. Sub-Contractor: includes those who have a direct contract with the Contractor.
3. Notice: written notice shall be deemed to have been served if delivered in person to a member of the Contractors firm.
4. Owner: Principal, Sri Guru Gobind Singh College of Commerce, New Delhi.
5. Work: the term “work” includes both labour and material of the Contractor/Sub-Contractor.
6. Time limits: time limits or 2 months stated in the contract are essence of the contract.
7. Law: law of the place of work shall govern the construction under this contract.
8. Virtual completion: date of virtual completion is the date when the construction is sufficiently completed in accordance with the contract documents, including modifications, if any.
9. Contract documents: shall consist of the following
 - a) Articles of agreement
 - b) General and special conditions of contract
 - c) Technical specifications
 - d) Bills of quantities

TYPE OF CONTRACT

It is an item rate contract. The Contractor shall be paid for the actual quantity and quality of work done, as measured at site on the rates quoted by him, based on a payment certificate issued by the Architect/ Engineer- In charge

SCHEDULE OF QUANTITIES

Schedules of quantities given in the contract bill are provisional and are meant to indicate the intent of the work and to provide a uniform basis for the contract. The Owner reserves the right to increase or decrease any of the quantities or to totally omit any of them. Contractor shall be

bound to carry out the same without claiming any extras.

CONTRACT DRAWINGS

1. In general, drawings shall indicate dimension, position & type of construction.
2. Specifications shall indicate the qualities, methods, and bill of quantities shall indicate the quantum and rates. Any work indicated in drawings and not mentioned in the specifications or vice versa shall be furnished as fully set forth in both.
3. Contractor shall not deviate from the drawings and Architects interpretation of the drawings shall be final and without appeal.
4. Errors/inconsistencies discovered in the drawings shall be instantly brought to the notice of the Architect for interpretation and correction, if any.
5. All drawings are the property of the Architect and shall not be used on any other project.
6. Bar bending schedule, if requested by the Architect/Engineer in-charge shall be furnished to him prior to fabrication.

ARCHITECTS INSTRUCTIONS

If within seven days of receipt of written instructions from the Architect, requiring compliance with an instruction the Contractor does not comply hence-with, then the Owner may get the work executed through another agency at the risk and cost of the Contractor.

SCOPE OF WORK OF CONTRACTOR

The scope of work to be carried out by the CONTRACTOR shall also include the following:

- a) Setting out of the works in respect of position, level dimensions, alignments, etc. including establishment of bench marks, survey reference points, etc.
- b) Clearance of the site.
- c) Site leveling /terracing within the limits as shown in the drawings or as directed by the Engineer In charge.
- d) Disposal of debris, excavated materials, etc. as per the instructions of the Engineer In-Charge
- e) Testing of water, soil and concrete. And any other test as required by CPWD norms
- f) Pumping out rain water/underground water from foundations, excavations and drainage of surface water from work site.
- g) All scaffolding, shorting, centering, shuttering works, etc.

- h) Running and maintenance of all construction plants and equipment, tools and tackles, etc.
- i) All temporary /enabling works such as approach road to the site, water supply, drainage and sewerage, power supply including diesel generator set, temporary offices, stores, construction yard, canteens, toilet blocks, labour camp, fencing, etc.
- j) Protection and maintenance of trees, shrubs, green and other surfaces as instructed by the Engineer In charge.
- k) Any other work required in connection with the execution of the contract work.

The cost of all the above-mentioned works shall be deemed to be included in the rates for various items of work although such inclusion may not be specifically spelt out.

Whether specified elsewhere in the Agreement or not, the CONTRACTOR shall provide all materials (including steel and cement unless specifically spelt out in the agreement otherwise), labors of every description, energy and water and all tools, tackles, plant and transport necessary for proper execution of the work to the entire satisfaction of the OWNER.

SAMPLES AND SHOP DRAWINGS

The Contractor shall submit samples of materials and shops drawings required by the Architect with promptness within a week.

PROGRESS CHART

In order to achieve the completion time as stated above, the CONTRACTOR shall submit to the OWNER within 2 (two) weeks from the effective date of Agreement a detailed Bar chart/PERT Network showing all the work activities. The list of activities for which the Bar chart/ PERT network has been worked out and their commencement, duration and completion shall be subject to the approval of the OWNER

ACCESS FOR ARCHITECT / ENGINEER INCHARGE TO THE WORKS

The Architect / Engineer In-charge and their representative shall have access, at all reasonable times, to the work and workshops of the Contractor.

ARCHITECTS STATUS AND DECISIONS

The Architect shall be Owner's representative during the construction period. He shall periodically visit the site to familiarize himself generally with the progress and the quality of work and to determine, in general if the work is proceeding in accordance with the contract documents. The Architect shall not be required to make exhaustive or continuous on-site

inspections to check the quality and quantity of the work, and shall not be responsible for the Contractors failure to carry out the construction work in accordance with the contract documents. During his site inspections, the Architect shall inform the Owner about progress of work, defects and deficiencies if any.

The Architect may in his absolute discretion from time to time, issue further drawings, details, written instructions, written decisions and written explanations regarding: -

1. Variation or modification of the design
2. Quality or quantity of work, addition/alteration/omissions and substitutions of any work
3. Any discrepancy and divergence between drawings and specifications.
4. Removal and re-erection of any works executed by the Contractor
5. Dismissal of any persons employed on the site, who in the opinion of the Architect is not fit for the job.
6. Opening for inspection any work-covered up
7. Amending and making good any defects under defects liability period
8. Removal from site, any materials brought by the Contractor, which in the opinion of the Architect is not up to the desired standard.
9. Delay and extension of time
10. Postponement of any work

ENGINEER INCHARGE

Engineer In-Charge shall mean the person approved by the Architect and appointed and paid by the Owner and acting under the directions of the Architect.

CONTRACTORS FIELD ORGANIZATION AND EQUIPMENT

1. The Contractor shall employ qualified and competent licensed Electricians on the site.
2. Contractor shall provide and install all necessary hoists, ladders, scaffoldings, tools, tackles, plants and machinery necessary for execution of the works
3. Contractor shall provide and maintain simple water tight office accommodation at site
4. Contractor shall make his own security arrangements at site and keep a 24hours Watchman
5. Contractor shall provide sanitary convenience for site staff and labour to keep the site clean
6. A telephone line at site to be maintained and paid by the Contractor
7. Guardrails shall be provided by the Contractor for safety of labour and general public at the site of works.

TAXES

GST or any other tax applicable in respect of this contract shall be payable by the Contractor and Sri Guru Gobind Singh College of Commerce will not entertain any claim whatsoever in respect of the same

STATUTORY OBLIGATIONS

The Contractor shall comply with and give all notices required by any Govt. authority and instrument, rule or order made under an act of parliament or state assembly or any regulation or bye-law of the local body, relating to the work and indemnify the Owner against any such liability arising out of noncompliance of the law.

By way of illustration of various Acts/statutory compliances as stated above, the following Acts as amended from time to time shall be complied with by the CONTRACTOR:

- a) Employee's Provident Fund Act 1952
- b) Contract Labour Act (Regulations and Abolition 1970)
- c) Minimum Wages Act 1948
- d) Payment of Wages Act 1936
- e) Workmen Compensation Act 1923
- f) Factories Act 1948
- g) Apprenticeship Act 1961

SUB CONTRACTOR

Before awarding any sub contract, the Contractor shall notify the Architect/Engineer-In charge in writing the names of the Sub-Contractors proposed. Contractor shall not employ the Sub-Contractor to whom Architect or Owner may have a reasonable objection.

MEASUREMENT OF WORK

Unless otherwise specified, measurement of work shall be carried from the works executed. The measurements for preparing Bills will be taken jointly by the CONTRACTOR's representative and the Engineer In charge. In measurement of work as stated above, the CONTRACTOR shall certify that the work has been carried out strictly as per the drawings, specifications and item of work in terms of the agreement. Such certificate shall require Engineer In-Charge's endorsement for payment.

In the event of any dispute regarding the measurement of the work executed, the decision of the OWNER shall be final and binding on the CONTRACTOR

In the case of site measurements, should the CONTRACTOR not attend or neglect or fail to send his representative for taking joint measurements, the measurements taken by the

Engineer In-Charge shall be deemed to be the correct measurement of work and shall be binding on the CONTRACTOR

REJECTION

If the Contract work or any portion thereof, at any time, is found to be defective or fails to fulfill the requirements of the agreement, the Engineer In-Charge shall give the CONTRACTOR notice in writing setting-forth particulars of such defects or failure and the CONTRACTOR shall forthwith make good the defects or replace or alter the same to make it comply with the requirements of the agreement.

Any materials, equipment, etc. brought to the site and found to be not in accordance with the agreement, shall be rejected by the Engineer In-Charge and the CONTRACTOR shall remove the materials from the site within the period specified by the Engineer In-Charge.

The CONTRACTOR shall not be entitled to any extension of time or extra cost for rejection as per above

CERTIFICATES OF PAYMENTS

Architect/Engineer Incharge shall issue an interim certificate of payment stating the amount due to the Contractor from the Owner and the Contractor shall be entitled to payment thereof within a period of two week after issue of the certificate. From the total amount, certified deduction shall be made towards payments already made, security deposit, TDS etc.as applicable to Delhi or any other tax applicable at the time of making payment.

All running payments shall be regarded as payment by way of advance against final payment only and not as payment for the work completed till the date of final payment. The running payment made shall not preclude the liability of the CONTRACTOR to finally complete the work strictly in accordance with the specifications and drawings, if required by re-constructing faulty work

CLAIM FOR EXTRA

In the case of extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor will submit rates, supported by rate analysis, for the work and the engineer-in-charge shall within one month of the receipt of the rates supported by rate analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

DEDUCTION FOR UNCORRECTED WORK

If the Architect/Engineer In-charge deems it in-expedient to correct work damaged or not done in accordance with the contract, an equitable deduction from the contract price shall be

made thereof.

FLUCTUATIONS

The Contractor shall not claim any extras for fluctuation of price and the contract price shall not be subjected to any rise or fall in prices.

POSSESSION BEFORE VIRTUAL COMPLETION

If the Owner, with the consent of the Contractor takes possession of part of the building for handing over to the finishing Contractor, such part of the building shall not be deemed to be virtually completed. Virtual completion of such part would occur only on completion of the last part of the structure.

TIME EXTENSION

Upon it becoming reasonably apparent that the progress of the work is delayed, the Contractor shall forthwith give written notice of the cause of delay to the Architect, to enable the Architect and Owner to take a proper decision in the matter.

INSPECTION AND TEST

- i. The CONTRACTOR shall ensure inspection and test of all materials and work at his cost through his ENGINEER IN CHARGE and other technical staff either at site or through any approved laboratory.
- ii. The CONTRACTOR shall ensure proper supervision and inspection during the progress of work at site.
- iii. All materials and work, whether at the site or in the CONTRACTOR's /Sub-Contractor's premises shall be subject to inspection and test by the ENGINEER IN CHARGE. The CONTRACTOR/ his Sub-Contractor shall provide all facilities free of cost to the ENGINEER IN CHARGE including all labor, materials, tools, tackles, instruments, appliances, etc. to enable the ENGINEER IN CHARGE to carry out inspection and/or test.
- iv. All test certificates shall be subject to certification by the ENGINEER IN CHARGE.
- v. The CONTRACTOR shall submit to the ENGINEER IN CHARGE three copies of all inspection/ test certificates.
- vi. The CONTRACTOR shall not be entitled to any claim for extra time or cost due to any delay in carrying out inspection and testing or re-inspection and re-testing if so decided by the ENGINEER IN CHARGE.

- vii. The CONTRACTOR shall take adequate steps to rectify the defects or to replace such materials and work which have failed during inspection /testing

RESPONISBILITY OF COMPLETION

Any work, supplies or services which might have not been specifically mentioned in the specifications, schedule of items or drawings but are necessary for entire completion of the contract work shall be executed / provided/ rendered by the CONTRACTOR without any Extra cost and within the time schedule specified. Rates quoted shall be deemed to include such elements of labor and materials necessary to complete the items of work in all respects.

DAMAGES FOR NON-COMPLETION

If the Contractor fails to complete the works by the date specified or within any extended time granted to him, the Contractor shall allow the Owner to deduct a sum calculated at the agreed liquidated damages, from the money due to him for the period the work remained incomplete, subject to a maximum amount of 10% of the Contract Value.

LIQUIDATED DAMAGES FOR DELAY

If the CONTRACTOR fails to complete the work/item (s) of work in all respects and hand over the same to the OWNER within the time stipulated the CONTRACTOR, without prejudice to any other right or remedy of the OWNER on account of such breach, be liable to pay the OWNER liquidated damages at the rate of 1% (one percent) of the total contract price for delay of every week or part thereof.

The total amount of liquidated damages shall be limited to 10% (Ten percent) of the total contract price.

The above provisions shall not apply in cases of delay for which the CONTRACTOR is entitled to extension of completion time

VIRTUAL COMPLETION CERTIFICATE AND DEFECTS LIABILITY PERIOD

When in opinion of the Architect the works are practically completed, he shall forthwith issue a certificate to that effect, that date will be taken as the date of virtual completion.

The Architect shall prepare a schedule of defects, not later than 14 days after the expiry of the defects liability period. The Contractor shall within a reasonable period after receipt of schedule of defects shall rectify the same, failing which the Architect will make suitable deductions from the contract sum.

MAINTENANCE GUARANTEE / DEFECTS LIABILITY PERIOD

Maintenance Guarantee period will be 12 months from the actual date of completion and handing over to the OWNER.

- a) The CONTRACTOR guarantees that within the maintenance guarantee period, the contract work shall not show any signs of defects, cracks, settlements, disfigurements, shrinkage, leakage, dampness or any other defects.
- b) The CONTRACTOR shall maintain and satisfactorily execute, at his own cost, all such works of repair, amendment, re-construction, rectification, replacement and any other work to make good the faulty work as stated in Article (a) during the maintenance guarantee period.
- c) The CONTRACTOR shall, if required by the ENGINEER IN CHARGE, search for the causes of any defects, imperfection or fault under the direction of the ENGINEER IN CHARGE. The cost of such search shall be borne by the CONTRACTOR.
- d) At intervals specified by the ENGINEER IN CHARGE the CONTRACTOR, along with the ENGINEER IN CHARGE, shall inspect the contract work to satisfy himself that no defects have cropped up in the contract work. Should there be any signs of defects, the CONTRACTOR shall take immediate steps to rectify the same, failing which; the ENGINEER IN CHARGE may get the defects rectified at the risk and cost of the CONTRACTOR.
- e) At the end of the maintenance guarantee period, the CONTRACTOR, along with the ENGINEER IN CHARGE, shall carry out final inspection of the contract work to prove that no defects had appeared in the contract work or that all defects which appeared in the contract work have been rectified to the entire satisfaction of the ENGINEER IN CHARGE. If during the final inspection it is found that the defects still remain in the contract work, the period of maintenance guarantee shall be extended at the discretion of the ENGINEER IN CHARGE and the CONTRACTOR shall be liable to make good the defects and be responsible for the maintenance of the work till the defects have been fully rectified.
- f) Upon successful completion of the maintenance guarantee period the OWNER shall issue final acceptance certificate to the CONTRACTOR

PAYMENT WITH HELD

The Architect/Engineer In-charge may withhold or on account of subsequently discovered evidence nullify the whole or part of any certificate to such an extent as may be necessary in his reasonable opinion to protect the Owner from loss, for defective work, non-payment to Subcontractors, or other claims connected to this work.

INJURY TO PERSONS

The Contractor shall indemnify the Owner against any liability, loss, claim or proceedings whatsoever arising under any statutory or common law in respect of personal injury to or the death of any person, whomsoever arising out of or during or caused by carrying out the work.

INSURANCE

Without prejudice to his ability to indemnify the Owner, the Contractor and his Subcontractors shall maintain such insurance as are necessary to cover the liability of the Contractor and the sub-Contractors.

INSURANCE AGAINST FIRE

The Contractor shall in the joint name of the Owner and the Contractor, insure against loss or damage due to fire, earthquakes and riots.

COORDINATION OF WORK

Contractor shall extend complete coordination to other agencies i.e. air-conditioning, firefighting and interiors working on the same site.

LABOUR

Contractor shall not employ child labour under 14 years of age and if female workers are employed he should make provision for safeguarding the small children to keep them clear of the site. All labour shall wear safety helmets and shoes to protect them from injury.

SAFETY

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per C.P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.200/- for each default and in addition, the Engineer-in- Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

ANTIQUITIES

All fossils and other objects of interest or value, which may be found on the site or in

excavating the same during progress of the work, shall become a property of the Owner. The Contractor shall carefully take out and preserve all such objects and hand them over to the Owner, through the Architect.

GUARANTEE

Besides guarantees required elsewhere, the Contractor shall guarantee the works in general for one year after completion of defects liability period.

TREES AND SHRUBS

The Contractor shall protect trees and shrubs designated by the Owner/Architect/Engineer In Charge from damage during the course of work

PERFORMANCE GUARANTEE

In addition to the Security Deposit the Contractor shall furnish a performance guarantee in the form of a Bank Guarantee to the tune of Five percent (5%) of the cost of the tender amount, which will be kept valid up to 12 months after completion of the work.

ARBITRATION

In case of dispute, the difference of opinion on any matter pertaining to the works, the decision of the Architect shall be final and binding on the contractors and the owners. If either party is not satisfied with the decision of the Architect, within 28 days a notice to this effect will be sent to the Architect in writing. The matter can then be referred to sole arbitrator or a panel of two arbitrators who should be fellows of Indian Institute of Architect, for a final award. Decision of Principal SGGSCC shall be final and binding in this regard.

LIQUIDATION

If the CONTRACTOR commences to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carries on his business under a receiver for the benefits of his creditor the OWNER shall be at liberty to:

- i) Give such receiver the liquidator or other person the option of carrying out the performance under the Agreement, subject to the receiver, liquidator or other person providing a guarantee up to an amount to be agreed upon by the OWNER and such receiver liquidator or other person for the due and faithful performance of the CONTRACTOR's obligations under this Agreement, or

ii) If the receiver, liquidator or other person fails within 30 (thirty) days to exercise the option to carry out performance of the Agreement then the OWNER may terminate the Agreement and give notice in writing to the CONTRACTOR or to the receiver, liquidator or to any person in whom the Agreement may have become vested.

TERMINATION OF CONTRACT

If the CONTRACTOR violates the Agreement or shall neglect to execute the work with due diligence or expedition or shall refuse or neglect to comply with any reasonable directions, instructions or orders given to him in writing by the Architect/Engineer In-Charge in connection with the work or shall contravene or breach any provisions of the Agreement, the OWNER may give notice in writing to the CONTRACTOR to make good the failure, neglect or contravention complained of or cure that breach within a period of 30 (thirty) days of receiving such notice and in default of the compliance with the said notice, the OWNER without prejudice to his rights as below may rescind or terminate the Agreement stating therein the effective date of termination, holding the CONTRACTOR liable for the damages that the OWNER may sustain in this behalf.

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Owner shall have the option of terminating the contract without compensation to the CONTRACTOR.

BOQ FOR FIRE FIGHTING WORKS

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	FIRE SUPPRESSION SYSTEM				
1	Providing and fixing black steel pipes to IS:1239 (Heavy class) including all fittings like anchor fasteners, brick masonry supports, couplings, bends, elbows, tees and flanges etc. welded or screwed joints as required, cutting holes and chases in brick or RCC walls and making good complete.				
1.1	100mm dia	Meter	40		
2	Providing and fixing first aid fire hose reel wall mounting swinging type fitted with 36.5 M x 20 mm dia high pressure RUBBER hose to IS: with 5 mm outlet, gunmetal nozzle with shut off valve (IS:884-1969).	Each	7		
3	Providing and fixing 63 mm dia 15 M long rubberized fabric lined hose including gunmetal male and female instantaneous type coupling approved by fire authority, machine wound with G.I. wire complete in all respects hose to IS:636 type II and coupling to IS:903-1975 with ISI certification.	Each	14		
4	Providing and fixing standard short size gunmetal branch pipe with gunmetal nozzle 16 mm NB outlet with standard instantaneous type 63 mm dia coupling.	Each	7		
5	Providing and fixing standard fire man's axe with heavy duty insulated rubber handle.	Each	7		
6	Providing and fixing gunmetal collecting head with 63 mm dia instantaneous type inlet and 150/100 mm dia flanged outlet with built in check valve for fire brigade connection to fire tank and fire risers (IS:904-1965) including 16-gauge thick M.S. sheet enclosure stove enameled with 8 mm thick glass				
6.1	Two ways	Each	1		
7	Providing and fixing single acting air valve with	Each	2		

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	screwed inlet 25 mm dia.				
8	Providing gunmetal fire hydrant valve 80 mm inlet, single outlet with control and fitted with 63 mm dia instantaneous female coupling complete with blank cap and chain (Inlet flanged to IS: 5290)	Each	7		
9	Providing and fixing fire hose cabinet fabricated from 16-gauge M.S. Sheet with single or double glazed front door (with 4 mm thick glass) and locking arrangement, painted fire red with stove enameled paint "FIRE HOSE" written on front including necessary supports approximate size.				
9.1	a) 2100x1200x600 mm deep.	Each	7		
9.2	b) 900 x 600 x 300 mm deep	Each	RO		
10	Painting M.S. pipes and fittings two or more coats of synthetic enamel paint of approved quality and shade over a coat of ready mixed red lead primer:				
10.1	100mm dia	Meter	45		
11	Providing and fixing C.I. butterfly flanged sluice valves to IS:13095 with operating lever, bolts, nuts, washers and companion flanges complete.				
11.1	a) 65 mm dia	Each	2		
11.2	b) 80 mm dia	Each	2		
11.3	c) 100 mm dia	Each	7		
12	Providing and fixing C.I. Wafer type flanged non-return valves with bolts, nuts, washers & companion flanges complete.				
12.1	a) 80 mm dia	Each	2		
12.2	b) 100 mm dia	Each	1		
13	Providing and fixing heavy duty armored cables 1.1 KVA grade including necessary support clamps at ceiling level and connection lugs				

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	complete in all respects.				
14	Control cable copper 3 core 4 sq.mm	Meter	35		
15	Power cable aluminium 3 core 10 sq. mm	Meter	36		
16	Providing and fixing CO ₂ type fire extinguishers with steel cylinder with a discharge valve and conforming to IS:2878-1976. Extinguishers shall be painted with red enamel paint and fixed to wall with brackets capacity 4.5 Kg.	Each	7		
17	Providing and fixing water CO ₂ gas fire extinguishers with steel cylinder with a discharge valve and conforming to IS:940. Extinguishers shall be painted with red enamel paint and fixed to wall with brackets capacity 9 liter.	Each	7		
18	Providing and fixing ABC powder type fire extinguisher suitable for inverted operation and fabricated from 1.6 mm M.S. sheet internally protected with anticorrosive treatment and hydraulically tested to a pressure of 25 Kg/Sq.cm. Extinguishers externally painted with red enamel and fixed to wall with brackets complete with internal charge and spanner (Conforming to IS:13849 capacity 5 Kg.).	Each	7		
19	Providing and fixing MS structural work fabricated from standard sections e.g. MS rounds, angles, channels including cutting to size, drilling, welding, fixing and welding to insert plates in RCC structural members as directed by Engineer-in-Charge including cutting and making good the walls and floors.	Kg.	50		
20	Providing and fixing resilient rubber neoprene lined style arch vibration eliminators suitable for raw water up to 45 deg. C. temperature working pressure up to 8 Kg/Sq.cm				
20.1	80mm dia	Each	2		
21	G.I. earthing wire 8 gauge from all motors and MCC panel to be connected in an approved manner to the general earthing system	Meter	30		

S.No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
22	Providing and fixing double flanged vertical air vessel fabricated from 8mm thick MS plate with dished ends 450mm dia and 2m high common for fire and jockey pump complete with three pressure switches to operate jockey, main and diesel engine driven pumps at drop of pressure as given in the specifications.				
22.1	(Test pressure 10 Kg/Sq.cm)	Each	1		
23	Providing and installing horizontal/vertical monobloc centrifugal pumping set with mechanical seal, C.I. volute and bronze impeller connected to a TEFC induction motor suitable for 400/44 volts, 3 phase, 50 cycles A.C. supply with 150 mm dia pressure gauge with gunmetal isolation cock, vibration eliminating pads for fire pump at terrace level including motor control panel at terrace level and remote push button for OFF/ON operation in Fire Control Room. (Fire pump on terrace) Capacity 900 LPM Head 32 m HP 10				
23.1	(Kirloskar model KDS 1040++ or approved equivalent)	Each	2		
	TOTAL AMOUNT OF FIRE FIGHTING WORKS				

LIST OF APPROVED MAKES

S.No.	Details of Materials / Equipment	Manufacturer's Name
		ISI Marked
1	Fire / Sprinkler Main Pump / Jockey	HBD
		Kirloskar
		KSB
		Willo - Mather & Platt
2	Diesel Engine	Cummins
		Greaves
		KOEL
3	Motor	ABB
		Bharat Bijlee
		Kirloskar
		Siemens
		Crompton Greaves
4	G.I. / M.S. Pipes (IS : 1239 / IS : 3589)	APL-Apollo
		AST Pipes
		Hitech
		Jindal Hissar/Jindal star
		Surya
		Swastik
		ZENITH
5	Standard M.S. Fittings	Seamless Fittings
		Pipeline Products
6	DI / CI / Forged Steel Fittings	Bharat Forge
		Jainsons Industries
		VS
7	C.I. (Class L.A.) Pipes	Electro Steel
		IISCO
		NECO
		Kapilansh
8	RCC Pipe	K K
		Local & Approved
		Pranali
		INDIAN HUME PIPE
		Dhere
9	DI MH Cover & Frame	Kartar Pipe and fittings

S.No.	Details of Materials / Equipment	Manufacturer's Name
		NECO
		Raj Iron Foundry, Agra
10	FRP / GRP Manhole Covers	Everlast
		Thermoset
11	Paints	Asian Paints
		Berger
		ICI
		Shalimar Paints
		Johnson & Nicolas
12	Double / Single Headed Landing Valve	Eversafe
		Firex
		Minimax
		Newage
		Priyanka
		Safeguard
		Shah Bhogilal
		Safex
13	Controlled pressure landing valve	Newage
14	Siamese breaching connection/Fire service inlet dragged out connection	Eversafe
		Newage
		Safeguard
		Shah Bhogilal
15	Fire Hose	Eversafe
		Padmini
		Safeguard
		Safefire
		Shah Bhogilal
		Safex
16	Hose Box (ISI marked)	Geetech
		Safeline
17	Photo Luminous Signages	Autolite
		Legrand
18	First Aid Hose Reel (LPCB Approved)	Eversafe
		Monsher
		Newage

S.No.	Details of Materials / Equipment	Manufacturer's Name
		Padmini
		Safeguard
		Safefire
		Shah Bhogilal
		Safex
19	Hose Reel Drum (ISI marked)	Eversafe
		Geetech
		Newage
		Safeline
20	Gun Metal Branch Pipe	Eversafe
		Newage
		Safeguard
		Shah Bhogilal
		Safex
		Minimax
21	Fireman Axe	Minimax
		New Age
		Safeguard
22	Installation Control Valve	HD
		CD
		Newage
23	Sprinkler Heads	HD
		Newage
		Reliable
		Sharp
		Tyco
		Victaulic
		Viking
24	Water curtain nozzles	HD Fire
		Viking
		Priyanka
25	Electrical Panel Detection & Suppression System	Avec India
		Fire Trace
26	Fire Extinguishers	Eversafe
		Dupont

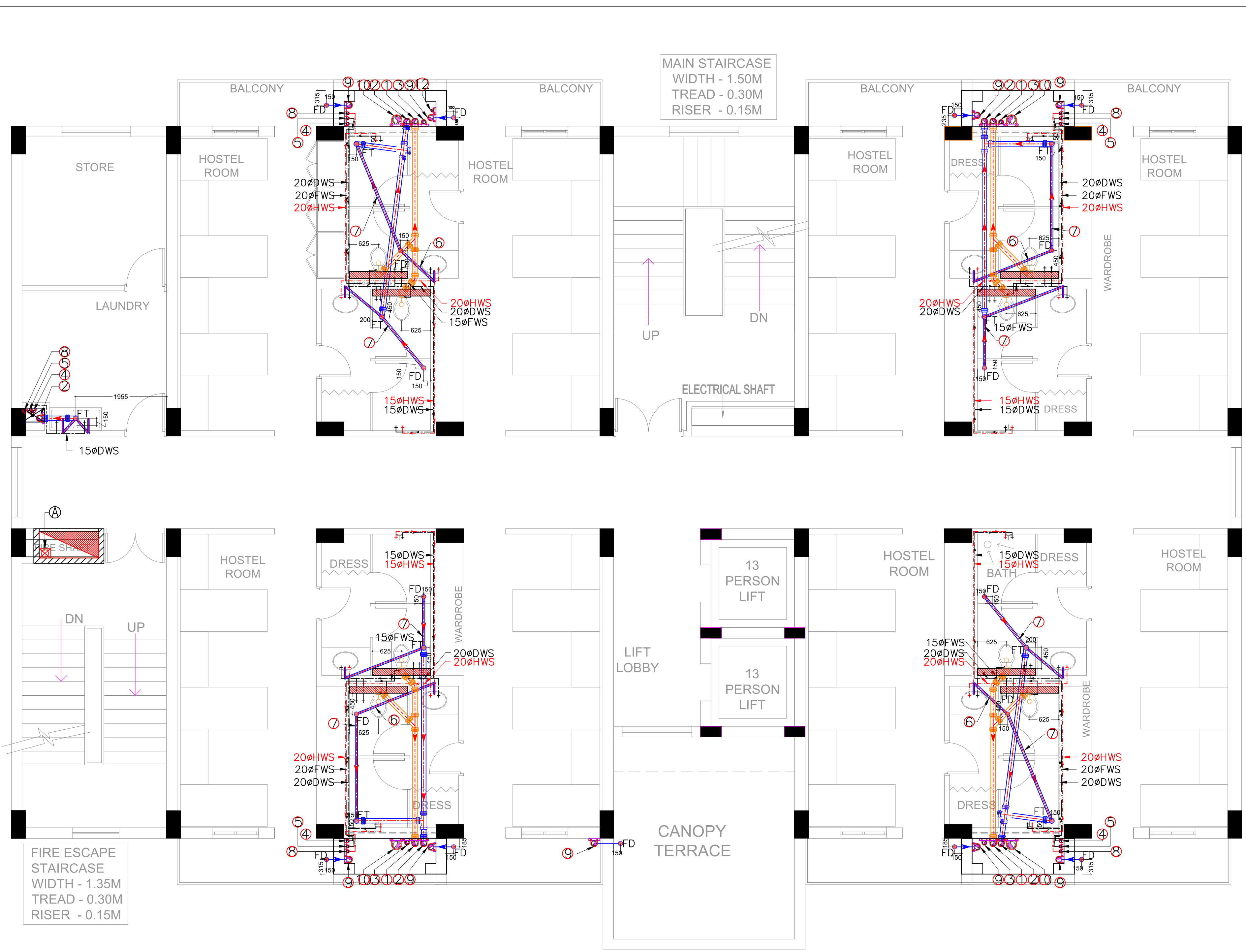
S.No.	Details of Materials / Equipment	Manufacturer's Name
		Kanex
		Navbharat
		Safex
27	Water Flow Switch	Gem
		Honeywell
		Macdonald
		Rapid Control
		System Sensor
		Spray Safe
		Switzer
		Viking-Potter
28	Pipe Protection Wrapping & Coating	IWL - Pypkote
		Neotape
		Rustech - Coatek
		STP Ltd.
29	Pipe clamp & supports	Chilly
		Euroclamp
		Easyflex
		Gripple
30	GM / Forged Brass Valves	Jayhiwa
		Kitz
		RB
		Sant
		TSB
		Zoloto
31	Cast Iron Sluice Valves	Indian Valve Company
		Kirloskar
		Marck-Cair
		Sant
32	Butterfly Valve	Jayhiwa
		Marck-Cair
		Sant
33	Check Valve – Wafer Type	Kirloskar
		Jayhiwa
		Marck-Cair
		Normex

S.No.	Details of Materials / Equipment	Manufacturer's Name
34	Check Valve – Dual Plate	Marck-Cair
		Normex
35	Pressure Switch	Danfoss
		Infoss
		Viking
36	Tamper switch	Danfoss
		Honeywell
		Infoss
		Potter
		Rapid Control
		System Sensor
		Spray Safe
		Viking
37	Foot valve	Kirloskar
		Normex
38	Deluge valve	HD Fire
		Priyanka
39	Solenoid valve	Avcon
		Aira
		Danfoss
		Viking
40	Emergency shower and Eye wash	Conforming to ANSI Z358.1 and complying with OSHA standards
41	Pressure Reducing Valve (Listed)	Marck-Suzhik
		RB
		Itap
42	Air Release Valve	OR
		Zoloto
		ITAP
		Marck
43	Ball Float Valve	Prayag
		Zoloto

S.No.	Details of Materials / Equipment	Manufacturer's Name
44	Y Strainer	Emerald
		Sant
		SKS
		Zoloto
45	Mechanical Seal	Burgmann
		Sealol
46	Couplings	Lovejoy
47	Anti Vibration Mounting & Flexible Connections	Cori
		Dunlop
		Easy flex
		Flexionics
		Resistoflex
		VIMPA
48	Spring Load Pressure Relief Valve	Honeywell
		Suzhik
		Zoloto
49	Pressure Gauge	Aquamet
		Emerald
		Fiebig
		H Guru
		Wika
50	Level Controller & Indicator (Water)	Auto Pump
		Cirrus Engineering
		Technika
		Techtrol
		Pumptrol
51	Paints	Asian Paints
		Berger
		ICI
		Shalimar Paints
		Johnson & Nicolas
52	Fastener	Fisher
		Hilti
		Mungo
		Powers

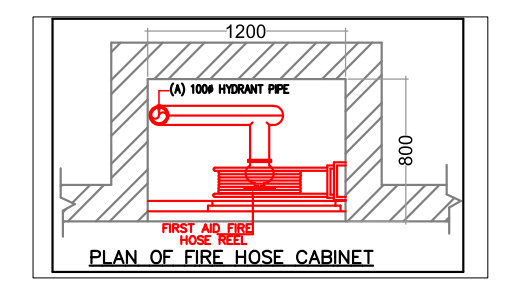
S.No.	Details of Materials / Equipment	Manufacturer's Name
		Birla 3 M
		Hilti
		Promat
		STI (USA)/ Fire master

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LEGEND: -

1.	①	100# C.I. Class 'B' SOIL PIPE
2.	②	100# C.I. Class 'B' WASTE PIPE
3.	③	75# C.I. VENT PIPE
4.	④	WATER SUPPLY-DOMESTIC
5.	⑤	WATER SUPPLY-FLUSHING
6.	⑥	40# G.I. Class 'C' WASTE PIPE
7.	⑦	75# G.I. Class 'C' WASTE PIPE
8.	⑧	WATER SUPPLY-HOT HWS
9.	⑨	100# C.I. Class 'B' RAIN WATER PIPE (BALCONY)
10.	⑩	150# C.I. Class 'B' RAIN WATER PIPE (TERRACE)
11.	⑪	DOMESTIC WATER SUPPLY TO (OHT)
12.	⑫	FLUSHING WATER SUPPLY TO (OHT)
13.	•	FLOOR DRAIN
14.	•	FLOOR TRAP
15.	—	SOIL LINE
16.	—	WASTE LINE
17.	—	FLUSHING
18.	—	DOMESTIC
19.	—	HOT WATER



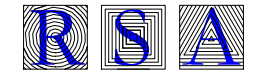
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PROJECT:
**GIRLS HOSTEL AT SRI GURU GOBIND
 SINGH COLLEGE OF COMMERCE
 PITAMPURA, NEW DELHI.**

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