



**E-TENDER FOR  
FIRE FIGHTING  
PROVISION IN PUMP  
ROOM AT HINDU  
COLLEGE, DELHI  
UNIVERSITY, DELHI.**

**OWNER** : **PRINCIPAL, HINDU COLLEGE,  
DELHI UNIVERSITY, DELHI.**

**ADDRESS** : **SUDHIR BOSE MARG, NORTH CAMPUS  
UNIVERSITY OF DELHI, DELHI 110007  
(INDIA)**

**WEBSITE** : <https://hinducollege.ac.in/>

**TYPE OF TENDER** : **OPEN- E TENDER (TWO COVER  
SYSTEM)**

**ESTIMATED COST  
OF WORK** : **RS. 45,06,243 /-**

**TENDER FEE** : **RUPEES ONE THOUSAND ONLY**

**DATE OF START** : **22.11.2023 (06:00PM)**

**LAST DATE OF  
SUBMISSION OF  
TECHNICAL BID  
DOCUMENT** : **07.12.2023 (2:00 PM)**

**EARNEST MONEY  
DEPOSIT** : **RS. 90,000/-**



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<b>1. TENDER SCHEDULE</b>	
Validity Of Offer	90 Days
Cost Of Tender Document	Rs. 1,000/-
Estimated Cost of The Work	RS. 45,06,243 /-
Earnest Money Deposit.	RS.90,000/- Payable by D.D. In Favour Of PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI.. EMD of unsuccessful bidders will be returned.
Start Of Tender Download.	22.11.2023 (06:00PM)
Last Date of Tender Download.	07.12.2023 (02:00PM)
Last Date of Submission of Tender.	07.12.2023 (02:00PM)
Date Of Opening of Technical Bid.	08.12.2023 (02:00PM)
Defects Liability Period.	24 Months
Contract Time Period.	2 Months FROM COMPLETION OF CIVIL WORK OF PUMP ROOM (60 Days)
Penalty For Delay.	Rs. 10,000/- Per Day
Minimum Running Account Bill Value.	7 Lakhs
Retention Percentage.	5%
Performance Guarantee.	<p>The lowest bidder shall be intimated through a letter of intent. Within 10 days of issue of letter of intent, Contractor Shall Deposit the following.</p> <p>Failure to do so shall nullify and invalidate the bid and the College shall forfeit the EMD and cancel the bid.</p> <p>1. Furnish A Performance Guarantee in The Form of A Bank Guarantee Amounting to Five Percent (5%) cost of Barricading Tender Amount. The Bank Guarantee Will Be Kept Valid Up To 24 Months After Completion Of The Works.</p>



Contact Details for  
Clarification Related to  
Tender.

Email: [principal@hinducollege.org](mailto:principal@hinducollege.org)  
Phone. 01127667284

**2. ELIGIBILITY CRITERIA**

S. NO.	DESCRIPTION
1)	: BIDDER SHOULD HAVE COMPLETED THREE SIMILAR WORKS EACH COSTING NOT LESS THAN RUPEES 18 LACS
	OR
	BIDDER SHOULD HAVE COMPLETED TWO SIMILAR WORKS EACH COSTING NOT LESS THAN RUPEES 27 LACS
	OR
	BIDDER SHOULD HAVE COMPLETED ONE SIMILAR WORK COSTING NOT LESS THAN RUPEES 36 LACS
2)	: BIDDER SHOULD HAVE AVERAGE ANNUAL TURNOVER(GROSS) OF 22.5 LACS
3)	: BIDDER SHOULD HAVE A SOLVENCY OF RUPEES 24 LACS
4)	: BIDDER SHOULD SUBMIT AN EMD OF RUPEES RS.90,000/-.
5)	: SELECTED BIDDER SHALL GET APPROVAL FROM COLLEGE AUTHORITIES FOR THE MAKES OF PUMPS AND PIPES BEFORE PROCUREMENT.



### 3. CHECKLIST OF DOCUMENTS FOR TECHNICAL BID

S.NO.	DESCRIPTION	CHECK
1)	: COMPANY REGISTRATION DETAILS	<input type="checkbox"/>
2)	: COMPANY PROFILE	<input type="checkbox"/>
3)	: GST REGISTRATION CERTIFICATE COPY	<input type="checkbox"/>
4)	: PAN CARD COPY	<input type="checkbox"/>
5)	: TURNOVER CERTIFICATE (ANNEXURE -1)	<input type="checkbox"/>
6)	: SOLVENCY CERTIFICATE	<input type="checkbox"/>
7)	: VALID COMPLETION CERTIFICATES	<input type="checkbox"/>
8)	: TENDER FEE OF RS. 1000 IN THE FORM OF A DEMAND DRAFT IN THE NAME OF PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. <u>ORIGINAL DEMAND DRAFT TO BE SUBMITTED WITH THE TECHNICAL BID TO THE OFFICE OF THE PRINCIPAL AND SCANNED COPY TO BE UPLOADED ALONG WITH THE TENDER.</u>	<input type="checkbox"/>
9)	: EMD FEE OF RS. RS.90,000/- IN THE FORM OF A DEMAND DRAFT IN THE NAME OF PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. <u>ORIGINAL DEMAND DRAFT TO BE SUBMITTED WITH THE TECHNICAL BID TO THE OFFICE OF THE PRINCIPAL AND SCANNED COPY TO BE UPLOADED ALONG WITH THE TENDER.</u>	<input type="checkbox"/>



#### 4.SUBMISSION OF TECHNICAL BID

- 1) THE TECHNICAL BID DOCUMENTS HAVE TO BE SCANNED AND UPLOADED ON THE CPP PORTAL.
- 2) HARDCOPY OF THE TECHNICAL BID DOCUMENTS SHOULD BE SUBMITTED TO THE OFFICE OF PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. ON OR BEFORE 2:00 PM ON **07-12-2023**. (IN ADDITION TO UPLOADING ON THE CPP PORTAL).





## 5. ONLINE NOTICE INVITING TENDER

To,

All The Eligible Bidders,

Dear Sir/ Madam,

You are invited to submit your most competitive **ONLINE** Quotation through the Central Public Procurement (CPP) Public Procurement (CPP) portal web site [eProcurement System Government of India](#) in TWO COVER SYSTEM (TECHNICAL & FINANCIAL) on or before the prescribed due date and time for E-TENDER FOR FIRE FIGHTING PROVISIONS AT PUMP ROOM AT HINDU COLLEGE.

Manual Bids shall not be accepted, except for the supportive documents / instruments if any asked in this tender. However, bidders are requested to submit hardcopy technical bid on or before the tender due date mentioned in the tender document.

The complete details of the tender items are available in the tender document, which can be downloaded from <https://hinducollege.ac.in/> the Central Public Procurement (CPP) Public Procurement (CPP) portal web site [eProcurement System Government of India](#).

The bids are to be submitted ON-LINE through [eProcurement System Government of India](#) up to the due date and time of submission of tender. Any queries related to the tender document should be addressed to the tender inviting authority PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI..

Any queries relating to the process of online bid submission or queries relating to CPP Portal by bidders should be addressed to 24x7 CPP Portal Helpdesk by using the Toll-Free numbers given in the CPP website.

Sd/-

PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI.



**6. TENDER ACCEPTANCE ( OFFER) LETTER**

TO,

PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. UNIVERSITY OF DELHI,

Subject: Acceptance in respect of terms and conditions of tender document for E-TENDER FOR FIRE FIGHTING PROVISIONS AT PUMP ROOM AT HINDU COLLEGE.

Dear Sir,

1. I / We have downloaded the tender document(s) for the above-mentioned tender from the website -----
2. I / We hereby certify that I / We have read every page of the tender document including all terms/conditions/drawings/annexures/forms/appendixes/paras etc. which are part of the contract agreement, and I / We agree to accept all the terms and conditions contained therein.
3. The corrigendum(s) issued from time to time by your organisation has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept all the terms and conditions of above-mentioned tender document and corrigendum(s) as applicable.
5. In case any provisions of this letter are found violated, then PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. shall without prejudice to any other right or remedy be at liberty to reject my/our bid including the forfeiture of EMD.
6. I / We hereby certify that all statements made, and information supplied in the enclosed appendix, annexure, forms/paras etc. furnished herewith are true and correct.
7. I / We have furnished all information and details necessary for demonstrating our qualification and have no further critical information to supply.
8. I / We understand and accept that PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. is not bound to accept the lowest bid or any of the bids submitted by the bidders or to give any reasons for their decision.
9. I/We understand and accept that all taxes including GST shall be payable by the bidder/contractor and PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. will not entertain any claim whatsoever in respect of taxes.

[Type here]



10. I/We understand and accept that PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. reserves the right of accepting the whole or any part of the tender and the bidder/contractor shall be bound to perform the same at quoted rates.
11. I / We understand and accept that in case any information provided by me/us is found to be false/ incorrect, then PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. shall be at liberty to reject our bid and without prejudice to any other right or remedy, be at liberty to forfeit the EMD absolutely and I / We shall not have any claim against PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. .
12. I/We understand and accept that, if after the tender is accepted, I / We fail to commence the execution of the works within the stipulated time, then PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. shall without prejudice to any other right or remedy, be at liberty to forfeit the EMD absolutely and I / We shall not have any claim against PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. .

Yours Faithfully,

Signature of Bidder:

Name:

Designation:

Stamp of the Bidder



### 7. DETAILS OF THE BIDDER

S.NO.	DESCRIPTION	DETAIL
1	Name of Company	
2	Address of Company	
3	PAN no.	
4	GSTN no.	
5	Telephone Number	
6	Email Address	
7	Name of Company Owner / Director / Partner	
8	Address of Company Owner / Director / Partner	
9	Telephone Number of Company Owner / Director/ Partner	
<p>I/We hereby declare that the information furnished above is true and correct. In case the above information is found incorrect at any stage, the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. may take appropriate action as warranted.</p>		
Name:		
Designation:		
Stamp & Signatures:		
Place:		
Date:		

[Type here]



## 8 . SPECIAL CONDITIONS OF CONTRACT

1. 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. CONTRACTORS shall be deemed to have full knowledge of the site, whether they inspect it or not and no extra charge consequent to any misunderstanding or otherwise shall be allowed.
2. Submissions of the Tender by the CONTRACTOR implies that he has read all 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.
3. 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 favour of PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. before issue of letter to start the work.
4. The CONTRACTOR, whose Tender is accepted, shall permit PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, 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: -
  - a) 5% of the bill amount.
  - b) 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 two year without any interest.
  - c) TDS on Income Tax/GST/Labour Cess etc. as applicable.
5. PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. will return the earnest money where applicable to every unsuccessful contractor on return of all the Tender documents without any interest.
6. TDS on Income tax/GST/Labour cess etc. as applicable shall be deducted from the payments made to the bidder/contractor and TDS certificates shall be issued by the owner.



7. Water and electricity shall be arranged by the tenderer himself. In case it is available, the same can be provided by the College authorities at one point. A recovery @ 1 % for electricity and 1% for water charges shall be recovered on gross value of work done.
8. The work shall be carried out in accordance with the phasing plan approved by the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. to avoid any disturbance. The site is expected to be handed over immediately. The contractor will prepare and submit a Phasing Plan with Bar Chart with targeted dates of completion for all the activities and get it approved from the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. within 7 days of award of contract.
9. The rates shall be inclusive of 2 years ON SITE comprehensive defect liability maintenance including all tools, plants, parts, labour, supervision, and technical support.
10. 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 shall be final and binding on the Contractor.
11. The Contractor shall carryout the work in stages as to cause minimum disturbance to the Owner. Contractor 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, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. or his authorized representative in respect of such damages /injuries.
12. 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.
13. 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.
14. 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.
  15. Rates quoted shall be applicable equally to all floors and shall include all lifts and leads. No extras on this account shall be payable.
  16. The contractor shall provide training for operation and maintenance of Equipment's to the Owners representatives free of cost, where required.
  17. Rates quoted by the contractor shall be inclusive of all items of work mentioned in the BOQ and Any work, supplies or services which might have not been specifically mentioned in the BOQ 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.
  18. 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.
  19. Labour Camp will be arranged by the contractor outside the Site of work at his own cost.
  20. PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. College reserves the right to decrease the items of work, change the specifications of works or remove the entire section of work as may be deemed necessary to finish the works within the available budget.



## 8 . 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.
2. Bidder / Contractor: Shall mean the person or business that agrees to conduct the contract work under the terms of the contract.
3. Sub-Contractor: includes those who have a direct contract with the Contractor.
4. Notice: written notice shall be deemed to have been served if delivered in person to a member of the Contractors firm.
5. Owner: PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI.
6. Work: the term “work” includes both labour and material of the Contractor/Sub-Contractor.
7. Time limits: time limits stated in the contract are essence of the contract.
8. Law: law of the place of work shall govern the construction under this contract.
9. 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.
10. Contract documents: shall consist of the following:
  - a) The agreement.
  - b) The General and Special conditions of contract.
  - c) The Bill of Quantities.
  - d) The drawings & specifications.
  - e) The approved makes.

### 8.1 TYPE OF CONTRACT

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

### 8.2 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.

[Type here]





### **8.3 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 Architect's 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.

### **8.4 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.

### **8.5 SCOPE OF WORK OF CONTRACTOR**

The broad scope of work is detailed out in a separate Chapter . The scope of work to be carried out by the CONTRACTOR shall also include the following:

1. Setting out of the works in respect of position, level dimensions, alignments, etc. including establishment of benchmarks, survey reference points, etc.
2. Clearance of the site.
3. Disposal of debris, excavated materials, etc. as per the instructions of the Engineer In-Charge
4. All scaffolding, shorting, cantering, shuttering works, etc.
5. Running and maintenance of all plants and equipment, tools and tackles, etc.
6. Any other work required in connection with the execution of the contract work.
7. ALL THE RELATED ACCESSORIES, FITTINGS, FIXING, CONSUMMABLE ITEMS, FOUNDATIONS OF PUMPS ETC. REQUIRED FOR SMOOTH FUNCTIONING OF ALL THE EQUIPMENT OF PUMP ROOM ARE INCLUDED IN THE RATES OF PARTICULAR ITEM. NO EXTRA RATE SHALL BE CLAIMED FOR THESE.

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.

### **8.6 SAMPLES AND SHOP DRAWINGS**

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

Any delay in submittal of shop drawings by the Contractor shall be counted towards the delay in completion of project and shall be penalized at the rate of Rs. 10,000.0 per day.

[Type here]



## **8.7 SAMPLES AND SHOP DRAWINGS**

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

## **8.8 PROGRESS CHART**

In order to achieve the completion time as stated above, the CONTRACTOR shall submit to the OWNER within 2 (two) days from the DATE OF WORK ORDER a detailed Bar chart/PERT Network covering all the milestones given in Scope of Work . 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

## **8.9 ACCESS FOR ARCHITECT/ ENGINEER IN CHARGE TO THE WORKS**

The Architect and his representative shall have access, at all reasonable times, to the work and workshops of the Contractor.

## **8.10 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 in regard to: -

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



### **8.11 ENGINEER IN CHARGE**

Engineer In-Charge shall mean an engineer appointed by the Owner and acting in co-ordination with the Architect.

### **8.12 CONTRACTORS FIELD ORGANIZATION AND EQUIPMENT**

1. The Contractor shall employ qualified and competent licensed Electrician and plumber on the site when the work of connecting or disconnecting of services to College network is to be undertaken.
2. Contractor shall provide and install all necessary hoists, ladders, scaffoldings, tools, tackles, plants and machinery necessary for execution of the works

### **8.13 TAXES**

All taxes including GST, Labour Cess etc. applicable in respect of this contract shall be payable by the Contractor and PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. will not entertain any claim whatsoever in respect of the same.



## **8.16 MEASUREMENT OF WORK**

Unless otherwise specified, measurement of work shall be carried from the works actually executed. The measurements for the purpose of 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 the purpose of payment.

In the event of any dispute with regard to 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.

## **8.17 REJECTION**

If the Contract work or any portion thereof, at any time, is found to be defective or fails to fulfil 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.

## **8.18 CERTIFICATES OF PAYMENTS**

Architect/Engineer In-Charge 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

## **8.19 CLAIM FOR EXTRA**

**RATES SHALL BE INCLUSIVE OF ALL MATERIALS, LABOUR, P&M , GUARANTEES, AND TAXES**  
[Type here]



**ACCESSORIES, FITTINGS, FIXING, CONSUMMABLE ITEMS, FOUNDATIONS OF PUMPS ETC. REQUIRED FOR SITC AND SMOOTH FUNCTIONING OF ALL THE EQUIPMENT OF PUMP ROOM ARE INCLUDED IN THE RATES OF PARTICULAR ITEM. NO EXTRA RATE CAN BE CLAIMED FOR THESE.**

### **8.20 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, deduction from the contract price shall be made thereof of an amount at which a third party who is competent to execute the work required, agrees to Correct the work. The decision of Architect/ Engineer In-charge shall be final in this regard.

### **8.21 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 of Materials, Labour, Plant and Machinery etc..

### **8.22 POSSESSION BEFORE VIRTUAL COMPLETION**

DELETED

### **8.23 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/ Engineer In charge, to enable the Architect and Owner to take a proper decision in the matter.

### **8.24 INSPECTION AND TESTS**

1. 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.
2. The CONTRACTOR shall ensure proper supervision and inspection during the progress of work at site.
3. 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 labour, materials, tools, tackles, instruments, appliances, etc. to enable the ENGINEER IN CHARGE to carry out inspection and/or test.
4. All test certificates shall be subject to certification by the ENGINEER IN CHARGE.
5. The CONTRACTOR shall submit to the ENGINEER IN CHARGE three copies of all inspection/ test certificates.
6. 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.
7. The CONTRACTOR shall take adequate steps to rectify the defects or to replace such materials and work which have failed during inspection /testing.

### **8.25 RESPONSIBILITY OF COMPLETION**

[Type here]



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 labour and materials necessary to complete the items of work in all respects.

### **8.26 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.

### **8.27 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 Rs. 5,000/- (Five Thousand) per day of delay. 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

### **8.28 VIRTUAL COMPLETION CERTIFICATE AND DEFECTS LIABILITY PERIOD**

DELETED

### **8.29 MAINTENANCE GUARANTEE / DEFECTS LIABILITY PERIOD**

Maintenance Guarantee period will be 24 months from the actual date of completion and handling over to the OWNER.

1. The CONTRACTOR guarantees that within the maintenance guarantee period, the contract work shall not show any signs of defects, cracks, settlements, disfigurations, shrinkage, leakage, dampness or any other defects.
2. 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.
3. 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.
4. 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

[Type here]



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.

5. 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.
6. Upon successful completion of the maintenance guarantee period the OWNER shall issue final acceptance certificate to the CONTRACTOR

### **8.30 PAYMENT WITH HELD**

The Architect 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.

### **8.31 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 in the course of or caused by carrying out the work.

### **8.32 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.

### **8.33 INSURANCE AGAINST FIRE**

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



### **8.34 COORDINATION OF WORK**

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

### **8.35 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.

### **8.36 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.

### **8.37 GUARANTEE**

Besides guarantees required elsewhere, the Contractor shall guarantee the works in general for one year after completion of 2 years defects liability period.

### **8.38 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 24 months after completion of the work.

### **8.39 WARRANTY**

The Contractor shall give warranty that works to be done supplied shall be new and free from all defects and faults in material, workmanship, and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for materials of the type ordered and shall perform in full conformity with the specifications and drawings. The Contractor shall be responsible for any defects that may develop under the conditions provided by the contractor and under proper use, arising from faulty materials, design or workmanship such as corrosion of the equipment, inadequate contact protection, deficiencies in design and or otherwise and shall remedy such defects at his own cost when called upon to do so by the College who shall state in writing in what respect goods are faulty. This shall survive inspection or payment for, and acceptance of goods, after the goods have been taken over.





If it becomes necessary for the contractor to replace or renew any defective Portion / portions of the equipment under this clause, the provisions of the clause shall apply to the portion / portions of equipment's replaced or renewed or until the end of the warranty period of 24 months, whichever may be later. If any defect is not remedied within a reasonable time, the College may proceed to get the work done at the Contractor's risk and expenses, but without prejudice to any other rights which the College may have against the Contractor in respect of such defects. Replacement under warranty clause shall be made by the Contractor free of all charges at site including freight, insurance, and other incidental charges

#### **8.40 REPLACEMENT OF DEFECTIVE EQUIPMENT**

If any equipment or any part thereof, is found defective or fails to meet the requirements of the contract before it is accepted College shall give the Contractor a notice setting forth details of such defects or failures and the Contractor shall forthwith arrange to set right the defective equipment or replace the same by the good one to make it comply with the requirements of the contract. This in any case shall be completed within a period not exceeding one month from the date of the initial report pointing out the defects. The replacement or rectification shall be made at site by the Contractor free of cost. Should the Contractor fail to do the needful within this stipulated time frame, the College reserves the right to reject the equipment in full or in part and get it replaced at the cost of the Contractor. The cost of any such replacement made by the College shall be deducted from the amount payable to the Contractor against this purchase order.

If any equipment or part thereof is lost or rendered defective during transit, pending settlement of the insurance claim, fresh order shall be placed on the Contractor for such loss or defective equipment and the Contractor shall arrange to supply the same within three months of such order at the same prices and on the same general terms and conditions as mentioned in this purchase order.

#### **8.41 ADD ON ORDER**

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#### **8.42 ARBITRATION**

In case of dispute, the difference of opinion on any matter pertaining to the works, the decision of the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. be final and binding on the contractors. If either party is not satisfied with the decision of the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI., within 28 days a notice to this effect will be sent to the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. in writing. The matter can then be referred to a sole arbitrator or a panel of two arbitrators appointed under the arbitration act .

#### **8.43 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.

#### **8.44 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.

#### **8.45 OFFICIALS NOT TO BENEFIT**

The Contractor warrants that it has not and shall not offer any direct or indirect benefit arising from or related to the performance of the Contract or the award thereof to any representative, official, employee, or other person in the office of PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. , UNIVERSITY OF DELHI.). The Contractor acknowledges and agrees that any breach of this provision is a breach of an essential term of the Contract.

#### **8.46 PENALTY FOR USE OF UNDUE INFLUENCE**

The contractor undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the Buyer or otherwise in procuring the Contracts or for bearing to do or



for having done or forborne to do any act in relation to the obtaining or execution of the present Contract.

Any breach of the aforesaid undertaking by the Contractor (Seller) or any one employed by him or acting on his behalf (whether with or without the knowledge of the Seller) or the commission of any offence by the, Seller or anyone employed by him or acting on his behalf, as defined in Chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the Buyer to cancel the Contract and all or any other Contracts with the Seller.



## 10. FORMAT OF PERFORMANCE GUARANTEE BOND

In consideration of the PRINCIPAL, HINDU COLLEGE, DELHI UNIVERSITY, DELHI. (hereinafter called “The Owner”) having agreed under the terms and conditions of agreement no.

Dated:

---

Made between the Owner and

---

(hereinafter called “the Said Contractor(s)) for the work of **E-TENDER FOR FIRE FIGHTING PROVISIONS AT PUMP ROOM AT HINDU COLLEGE , DELHI UNIVERSITY** . herein after called “the said agreement”.

We (please mention name of the bank below)

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Undertake to pay to The Owner an amount not exceeding Rupees

(In words)

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On demand by The Owner.

2. We (please mention name of the bank below)

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Do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from The Owner stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rupees

(In words)

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3. We, the Said Bank further undertake to pay to The Owner any money so demanded notwithstanding any dispute or disputes raised by the Said Contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal.



The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Said Contractor(s) shall have no claim against us for making such payment.

4. We (please mention name of the bank below)

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Further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and it shall continue to be enforceable till all the dues of The Owner under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of The Owner certified that the terms and conditions of the said agreement have been fully and properly carried out by the Said Contractor(s) and accordingly discharges this guarantee.

5. We (please mention name of the bank below)

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Further agree with The Owner that The Owner shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for anytime of from time to time any of the powers exercisable by The Owner against the said contractor(s) and to for-bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the Said Contractor(s) or for any forbearance, act of commission on part of The Owner or any indulgence by The Owner to the Said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of The Bank or the Said Contractor(s)

7. We (please mention name of the bank below)

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Lastly undertake not to revoke this guarantee except with the previous consent of The Owner in writing.

8. This Guarantee shall be valid upto\_\_\_\_\_. Unless extend on demand by The Owner. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rupees

(In words)

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And unless a claim in writing is lodged with us within six months of the date of expiry of the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.



Dated: the \_\_\_\_\_ day of \_\_\_\_\_ for \_\_\_\_\_ (Bank).

[Type here]

**11. TURNOVER CERTIFICATE**

ON THE LETTER PAD OF CHARTERED ACCOUNTANT

This is to certify that the total turnover of

M/s \_\_\_\_\_

Having PAN \_\_\_\_\_

is as under:

FINANCIAL YEAR	AMOUNT (FIGURES)	AMOUNT (WORDS)
2020-2021		
2021-2022		
2022-2023		

**Average = Total/3 =** \_\_\_\_\_

It is further certified that the above-mentioned amounts have been derived from the books of accounts presented before us for the above-mentioned periods.

Stamp and Signature of Chartered Accountant.  
UDIN no. of Chartered Accountant-



## 12. SCOPE OF WORK

This is a time bound work. The Contractor will submit a schedule of work to the “Engineer-in-charge” specifying the expected completion dates of following milestones forming the **SCOPE OF WORK** .

1. SITC of all equipment in Pump room as per BOQ .
2. Liaison with CFO for NOC of “ 2 additional floors of Office building above existing Library building on Ground and First floor..





**13. BILL OF QUANTITIES ( RATES SHALL BE INCLUSIVE OF ALL MATERIALS, LABOUR, P&M , GUARANTEES, AND TAXES LIKE GST ,ACCESSORIES,FITTINGS, FIXING, CONSUMMABLE ITEMS, FOUNDATIONS OF PUMPS ETC. REQUIRED FOR SITC AND SMOOTH FUNCTIONING OF ALL THE EQUIPMENT OF PUMP ROOM ARE INCLUDED IN THE RATES OF PARTICULAR ITEM. NO EXTRA RATE CAN BE CLAIMED FOR THESE.)**


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Tender Inviting Authority: Principal, Hindu College

Name of Work: FIRE FIGHTING PROVISION IN PUMP ROOM AT HINDU COLLEGE, DELHI UNIVESRSITY, DELHI.

Contract No: HC-1/3745 dt 22.11.2023 (2023-24)

Name of the Bidder/  
Bidding Firm  
/ Company :

**PRICE SCHEDULE**

**(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )**

NUMBER #	TEXT #	NUMB ER #	TEX T #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantit y	Unit s	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT Inclusive of GST in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	<b>PIPES AND VALVES</b> Pipes for External Fire Fighting/Yard Hydrant System Providing, fixing, testing and commissioning M.S. Black ERW Heavy grade piping as per IS: 1239. The pipes complete with necessary specials such as tees, bends, flanges, reducers, etc. Rate quoted shall include for painting of pipe with a coat of primer and two coats of synthetic enamel paint of approved colour / make for above ground piping and coating & wrapping for underground piping as per the NBC/ IS standards and local fire service department requirements, complete in all respects. Make:Jindal-Hissar/TATA/Surya					
1.01	Underground piping including of Excavation/digging with necessary flanges & fittings such as elbows, tees alongwith pipe coating and wrapping of underground pipes with 4mm thick & 100mm wide approved bitumen-based wrapping material. Make:Pypkote/Makpolycote					
1.02	150mm dia	360.00	mtr		<b>0.00</b>	INR Zero Only

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2	<b>Pipe and Fittings for Internal Fire Fighting / Pump Room</b> Above ground piping with necessary flanges & fittings such as elbows, tees and Painting with synthetic enamel paint two coats with two primer coat as per,with necessary MS structural support the requirement of local fire service department.					
2.01	250 mm nominal dia	9.00	rmt		0.00	INR Zero Only
2.02	200 mm nominal dia	18.00	rmt		0.00	INR Zero Only
2.03	150 mm nominal dia	60.00	rmt		0.00	INR Zero Only
2.04	80 mm nominal dia	12.00	rmt		0.00	INR Zero Only
2.05	65 mm nominal dia	6.00	rmt		0.00	INR Zero Only
2.06	25 mm nominal dia	6.00	rmt		0.00	INR Zero Only
3	Providing & fixing Butterfly valve (double flanged) with C.I. body & disc, stainless steel/carbon steel shaft, Hand lever operated, PN 1.6 rating, conforming to IS:13095 / BS:5155. Make:Zoloto/Sant/kartar					
3.01	150mm dia	10.00	each		0.00	INR Zero Only
3.02	100mm dia	2.00	each		0.00	INR Zero Only
3.03	80mm dia	2.00	each		0.00	INR Zero Only
3.04	65mm dia	2.00	each		0.00	INR Zero Only
4	Providing and fixing forged brass lever operated ball valve of full flow with forged brass ball (Machined to mirror smooth finish with hard chrome plated) and spindle with setting and gland of superior quality having minimum working pressure of 12 kg/cm <sup>2</sup> etc. complete in all respect.Make:Zoloto/Sant/kartar					
4.01	25mm dia	2.00	each		0.00	INR Zero Only
5	Providing & fixing C.I horizontal/vertical type non return valve (dual plate) conforming to API 594 with C.I. body, SS Disc, SS stem, EPDM seal, complete with companion flanges, bolts, nuts, washers & inserted rubber gasket complete as required, of class PN 1.6.Make:Zoloto/Sant/kartar					
5.01	200mm dia	1.00	each		0.00	INR Zero Only
5.02	150mm dia	4.00	each		0.00	INR Zero Only
5.03	100mm dia	4.00	each		0.00	INR Zero Only
5.04	80mm dia	2.00	each		0.00	INR Zero Only



6	FIRE PUMPS, MECHANICAL & ELECTRICAL ACCESSORIES FOR FIRE FIGHTING & SPRINKLER SYSTEM FOR PUMP HOUSE					
6.01	Supplying, installation, testing & commissioning of electric driven fire pumps suitable for automatic operation consisting of the following (as per specification).					
6.02	Horizontal split casing single/ multistage, single/ multioutlet pumping set complete with bronze impeller with C.I. body, SS shaft and sleeve and connected by a flexible coupling to a totally enclosed fan cooled squirrel cage induction motor Mounted on common bed plate of fabricated mild steel channel with cushy foot mounting with all pump accessories complete as per specification including pressure gauges, circulatory relief valve, mechanical seal, lubricated grease bearing, gun metal isolation valves etc. Make:Kirloskar/M&P					
6.03	Motor to be suitable for 415V, 50Hz, AC supply of required H.P (or as per pump efficiency) rating for the above pumps. Motor shall accept +/- 10% variation in voltage and +/- 3% variation in frequency.					
6.04	Suitable reinforcement cement concrete pump foundation of 1:2:4 ratio (1 cement: 2 fine aggregate: 4 coarse sand) complete as per requirements including foundation bolts, washers as required. foundation shall be finished with a coat of neat cement with 50x50x3 mm thick M.S. angle edging and foundation shall be painted with enamel paint.					
6.05	Main fire Pump Type : Horizontal Split casing centrifugal suctiontype Speed (rpm) : 1450 Capacity : 2280 lpm Head : 70 M	1.00	each		0.00	INR Zero Only
6.06	Jockey Pump Type : Vertical mounted centrifugal End suction type. Speed (rpm) : 2900 Capacity : 180 LPM	2.00	each		0.00	INR Zero Only

[Type here]



	Head : 70 M					
6.07	Sprinkler Pump Type : Horizontal Split casing centrifugal suction type. Speed (rpm) : 1450 Capacity : 2280 lpm Head : 70 M	1.00	each		0.00	INR Zero Only
6.08	Diesel Engine Driven Fire Pump Supply, Installation, Testing and Commissioning of diesel engine driven stand by pump suitable for automatic operation consisting of the following (as per specification)					
6.09	Horizontal split casing single/ multistage, single/ multioutlet pumping set with CI body, bronze impeller, SS Shaft and sleeve and mechanical seal and connected by means of a flexible coupling to a water cooled diesel engine developing required BHP for the above pump mounted on common bed plate of fabricated mild steel channel with cushy foot mounting with all pump accessories, circulatory relief valve etc, diesel engine starting panel for starting of the lead acid 24V, 180 AH (including one spare battery) and battery charger as per specification. Rate shall include fittings of exhaust pipe as per separate items, with muffler, day oil tank of 990 ltrs capacity with fire resistance glass type fuel indicator pipe, first charge, and hand pump set, with secondary container arrangement including all internal cabling/piping as required for commissioning. Fuel tank shall be of 4mm thick sheet, factory made and shall have indication of low fuel switch, fuel level indicator, shut off nozzle and audible alarm in engine panel. Batteries of same needs to be auto charged through electrical panel as well by introducing battery charger and necessary arrangement for cut of same battery charger supply when engine is started and necessary data for health of battery shall be displayed on electrical panel. Make: Kirloskar/M&P					
6.10	Suitable reinforcement cement concrete pump foundation of 1:2:4 ratio (1 Cement: 2 Coarse Sand: 4 Coarse Aggregate) including foundation bolts, washers as required. Foundation shall be finished with a coat of neat cement with 50x50x3mm thick M.S angle edging and foundation shall be painted with enamel paint.					

[Type here]



6.11	Type : Horizontal split casing centrifugal suction type. Capacity : 2280 lpm Head : 70 M RPM : 1450 Mover : Material of Construction: Shaft & Sleeve : S.S. Impeller : Bronze Bearing : Grease, lubricated Seal - Mechanical seal.	1.00	set		0.00	INR Zero Only
7	Providing & fixing 150 mm M.S. class 'B' exhaust pipe for above Diesel Engine as per CPCB guidelines including all fittings, accessories clamps/structural steel supports. The pipe shall be insulated with 50 mm mineral wool insulation of density 100 kg/cm <sup>2</sup> with 24 swg aluminium cladding complete with all M.S. supports/ hangers duly painted with two coat of primer and synthetic enamel paint of approved shade etc. as required to complete the job in all respect. To be fabricated at site	25.00	mtr		0.00	INR Zero Only
8	<b>Panel-B for Fire Pumps</b> Fabricating, supplying, installation, testing & commissioning of totally enclosed cubicle type fire pump control panel free standing, floor mounted, compartmentalised, sectionalised, dust ,dump and vermin proof with suitable natural ventilation arrangement, front and rear accessible, lockable power cum control panel, fabricated from 1.6/2 mm thick MS sheet (to give IP 42 protection) seven tank powder coated with RAL7035 colour shade, heavy 4 strip sleeved Electrolytic grade aluminium bus bar, bus bar supports, inter connecting from bus bars to out going switches/ MCCBs including earthing the board suitable to accommodate the following including numbering etc. as required. Make: Diamond/Gauri/Shivam					



8.01	<p><b>INCOMING:</b></p> <p>a) 600amp. TP +NL M.C.C.B. with rotary handle of breaking capacity 36KAb) One-Digital voltmeter with phase selection switchb) One-Digital Ammeter with phase selection switch  c) 3 Phase indicating lamps with SP MCB--3 Nos and 700 AMP AL.Bus bar.  d) Dual supply with on load changeover of required capacity</p>					
8.02	<p><b>OUTGOING</b></p> <p>b) Two- 320 Amp. TP + NL M.C.C.B. with rotary handle of breaking capacity 35KA  c) Two - 100 Amp.TP +NL M.C.C.B. with rotary handle of breaking capacity 35KA  d) Three Fully Automatatic Star-Delta starters suitable for 150 KW Pump Motor with over load relay timer push buttons and Auto/Manual selector switch and single phase preventer relay.  e) Two Fully Automatic star delta Starter suitable for Jockey Pump Motor 25 KW with over load relay, timer push buttons and Auto/Manual selector switch and single phase preventer relay.  f) Four panel type Digital Amp. meters one for each motor with ASS. CTS etc.g) Four sets of On/Off - neon indicating lamp  h) Auxillary potential free contact to be provided for each pump set for sending data to BMS station for status only</p>					
8.03	<p>i) 1 set of Automatic Trip unit of suitable rating operating at 12/24V DC for Fully Automatic Diesel engine starting system complete with battery charger, 8 window annunciator, indicating lights, transformer, rectifier, timer, voltmeter ammeter, selector switches, push buttons, auxiliary relay etc. complete as required as per NBC rules</p>					
8.04	<p>j) All interconnecting power &amp; control wires/cables suitable size within the panel .</p>					
8.05	<p>(All for above from item (a) to (i) complete set). (The shop drawing to be prepared and approved before fabrication)</p>	1.00	set		0.00	INR Zero Only



9	<b>Pressure Vessel for UGT Fire Pump</b> Supply, Installation, Testing & Commissioning double flanged vertical air vessel fabricated from 10mm M.S. plate with dished ends from 10mm M.S. plate, outside with one coat of primer and two coats of synthetic enamel paint of approved shade, complete with approved quality and sufficient number of pressure switches, air release valve, tripod type stand, pressure gauge with ball valve, drain ball valve of 50mm dia with 2.0 meter long GI (Heavy Duty ) piping complete as required and all other required accessories to operate commonly main fire pump, diesel fire pump and Jockey pump at drop of pressure, automatically at required pressure setting (Pressure switch assembly to be fabricated at site);					
9.01	Recommended dia. : 450 mm Height of shell : 2100 mm Working pressure : 18 Kg/cm2 Test Pressure : 16 Kg/cm2	2.00	each		<b>0.00</b>	INR Zero Only
10	Supplying and fixing of following powder coated perforated type cable tray system including fittings and accessories on existing structural supports, fabricated from min. 2mm thick CRCA MS sheets including the cost of powder coatings of approved shade of min. 50 micron film thickness on MS surface cleaned and including the cost of providing loop earthing with 2 nos. 25mm x 6mm GI earth strips complete as per specifications and including the cost of approved arrangement of cable tray hangers fabricated from galvanized MS angles/flats/rods including jointg the steel section of the support arrangement with nuts and bolts/welding and including securing the support to the structural ceiling by dash fasteners etc.complete with spacing of 600mm for 900mm/1200mm and 750mm for lower sizes, as required, and as below.					
10.01	300mm x50mmx50mm trays	30.00	mtr		<b>0.00</b>	INR Zero Only
10.02	150mmx50mmx50mm trays	20.00	mtr		<b>0.00</b>	INR Zero Only





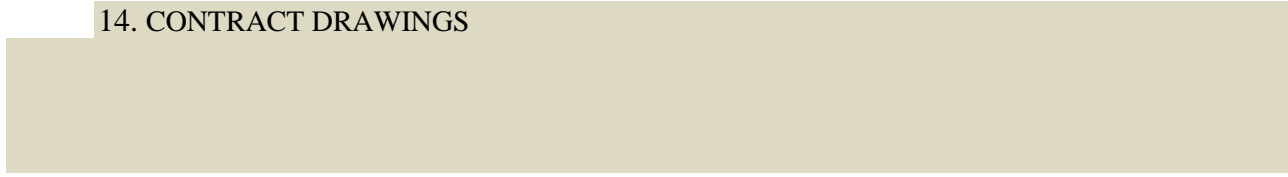
11	Providing and fixing C.I double flanged "Y" type strainer with S.S. mesh, including nuts, bolts and 3 mm thick gasket complete as required Make:Zoloto/Sant/Kartar					
11.01	150 mm dia	1.00	each		0.00	INR Zero Only
12	Providing and fixing flanged flexible connectors in SS 304 braiding, of rating PN 1.6 or equivalent, to provide stress relief for suction/delivery of pumps, complete with standard flanges, nuts, bolts etc. Make: Resistoflex/Kanwal					
12.01	150mm dia (min. 150 mm length)	6.00	each		0.00	INR Zero Only
12.02	80mm dia (min. 150 mm length)	2.00	each		0.00	INR Zero Only
12.03	65mm dia (min. 150 mm length)	2.00	each		0.00	INR Zero Only
13	Providing and fixing Pressure gauge (0-14 Kg/Cm <sup>2</sup> ) with necessary flanges and fittings such as tees, elbows and painting and supports etc. complete. Make:H.Guru					
13.01	100mm dia	7.00	each		0.00	INR Zero Only
14	Providing and fixing pressure switch (for operation at 0-15 Kg./sqcm) with required fittings and accessories complete. Make: Danfoss/Indfoss					
14.01	Standard type	5.00	each		0.00	INR Zero Only
15	Providing and fixing FRLS heavy duty copper armored cables 1.1 KVA grade including necessary support clamps at ceiling level and connection legs and double compression glands,complete in all respects. Make: Plycab/Havels/KEI					
15.01	Control cable 6 core 2.5 Sq.mm	10.00	mtr		0.00	INR Zero Only
15.02	Control cable 4 core 1.5 Sq.mm	10.00	mtr		0.00	INR Zero Only
15.03	Control cable 2 core 1.5 Sq.mm	100.00	mtr		0.00	INR Zero Only
16	Providing and fixing heavy duty FRLSH outer sheath Aluminum armored cables 1.1 KVA grade including necessary support clamps at ceiling level, connection lugs and double compression glands, complete in all respects. Make: Plycab/Havels/KEI					

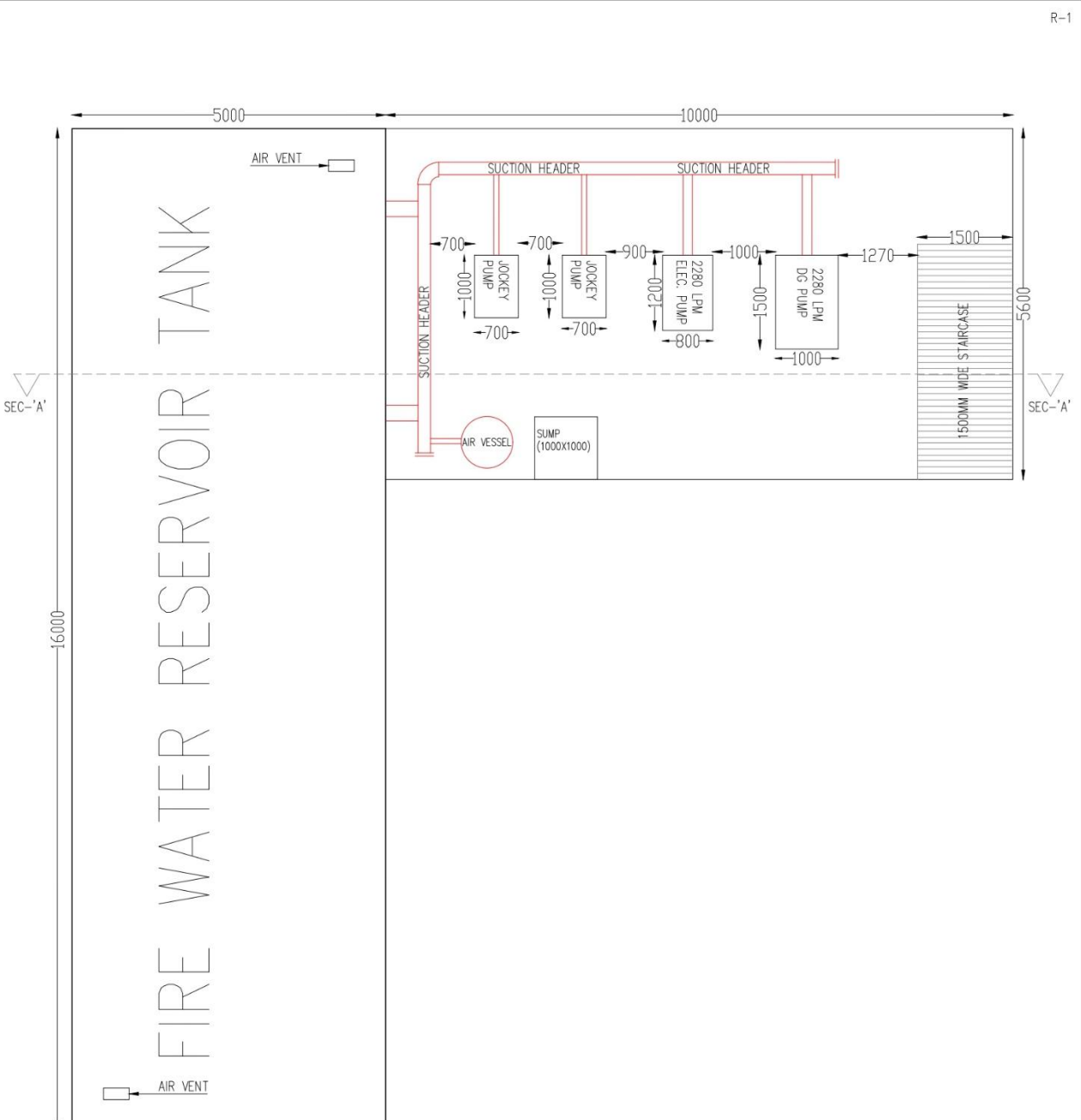


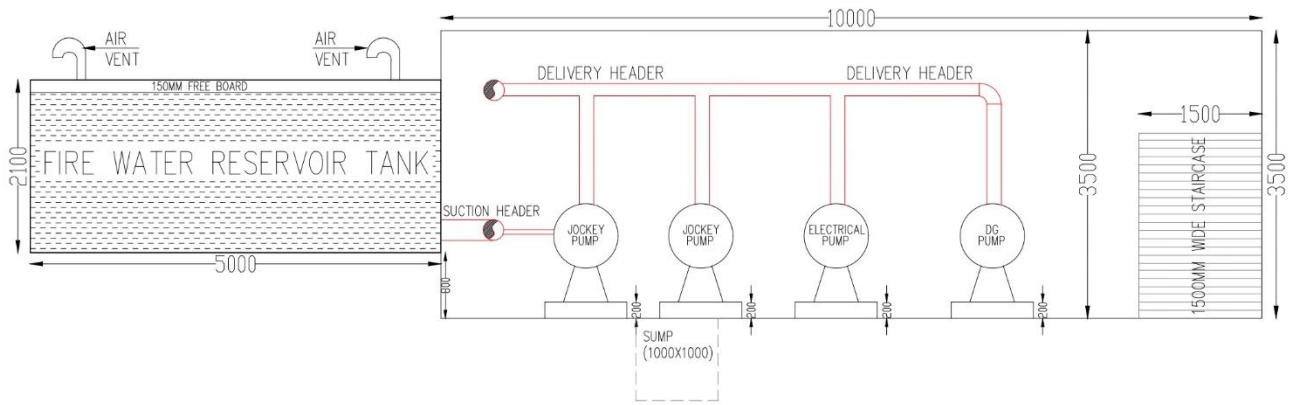
16.01	Power cable 3 core 16 Sq.mm	20.00	mtr		0.00	INR Zero Only
16.02	Power cable 3.5 core 120 Sq.mm	20.00	mtr		0.00	INR Zero Only
17	Providing and fixing 25mmx5mm GI strip in 40mm Dia GI pipe from earth electrode as required.	20.00	mtr		0.00	INR Zero Only
18	Providing and fixing 20mmx5mm GI strip in on surface (or) in recess for earth connection etc as required.	10.00	mtr		0.00	INR Zero Only
19	Supply, Installation, Testing & Commissioning of of isolation control valve of cast iron body and brass/bronze working parts comprising of water motor alarm. Bronze seat clapper, and clapper arm, hydraulically driven mechanical gong bell to sound continuous alarm when the Wet riser/ sprinkler System activates, pressure gauges, emergency release, strainer, pressure switch, cock valve complete with drain valve and bypass, test control box, ball valves, MS pipe of required size flanges, orifice plate, gasket etc. of size 150mm dia as required. (UL/FM/LPC/TAC listed/approved) Make: HD/Newage	1.00	each		0.00	INR Zero Only
20	<b>Submersible Sump Pump</b> SITC of Submersible Sump Pump Single Phase 1 HP discharge Range up to 330 LPM AIP 68 with automatic On-Off Switch with up to 12Mtr head range make Kirloskar	1.00	each		0.00	INR Zero Only
21	Liasoning Charges for NOC from Authorities for 2 additional floors above Library building for Offices purpose.	1.00	Job		0.00	INR Zero Only
<b>Total in Figures</b>					<b>0.00</b>	INR Zero Only
<b>Quoted Rate in Words</b>					<b>INR Zero Only</b>	



#### 14. CONTRACT DRAWINGS







SECTION- ('A-A')  
SIDE VIEW