

**Hindu college, University of Delhi,
Delhi-110007**

TENDER DOCUMENT

Name of Work : CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE

INDEX

Sl. No.	Details	Page No.
1.	N.I.T. (National Competitive Bidding)	1 to 4
2.	Tender	5 to 7
3.	Schedule A to F(Civil)	8 to 11
4.	Recovery rates for quantities beyond permissible variation	12
5.	Approved list of Laboratories	13
6.	Special Conditions for cement & steel	14 to 15
7.	Bank Guarantee Bond	16 to 17
8.	Approved makes of materials (Civil)	18 to 20
9.	Form of Guarantee Bond for defects removal	21
10.	General Specification & Conditions for civil work	22 to 26
11.	Annexures – I to VI	27 to 33
12.	Annexure VII , Format for Financial Bid	34 to 37

This NIT contains page1 to 37 .

NOTICE INVITING TENDERS
(NATIONAL COMPETITIVE BIDDING)

1. **Online limited tenders** are invited on single stage two bid system for CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.

2. Document Download: Tender documents may be downloaded from Hindu College web site <https://hinducollege.ac.in/>, and www.du.ac.in (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> the schedule as given in CRITICAL DATE SHEET as under.

CRITICAL DATE SHEET

Published Date	29.08.2023 (06.00 (PM)
Bid Document Download / Sale Start Date	29.08.2023 (06.00 (PM)
Bid Submission Start Date	29.08.2023 (06.00 (PM)
Bid Submission End Date	11.09.2023 (03.00 (PM)
Technical Bid Opening Date	12.09.2023 (03.30 (PM)

3. **Bid Submission:**

Bidders are advised to visit this website regularly to keep themselves updated as any change/ modification in the tender will be intimated through this website only.

Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> .

Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. However the uploaded documents should be legible. Illegible documents shall not be accepted.

4. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

5. Tenderer who has downloaded the tender from the College website <http://www.Hindu College.edu.in> Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not tamper/modify the tender form including downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Hindu College.

6. Intending tenderers are **advised to visit again** Hindu College website <https://hinducollege.ac.in/> and CPPP website <https://eprocure.gov.in/eprocure/app> **regularly till closing date of submission** of tender for any corrigendum / addendum/ amendment.

4. Not more than one tender shall be submitted by one contactor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e when one or more partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

5. Tenderer who has downloaded the tender from the College website <https://hinducollege.ac.in/> and Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, **shall not tamper/modify the tender form including downloaded price bid template in any manner**. In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with Hindu College.

6. Intending tenderers are **advised to visit again** Hindu College website <https://hinducollege.ac.in/> and **CPPP website** <https://eprocure.gov.in/eprocure/app> **regularly till closing date of submission** of tender for any corrigendum / addendum/ amendment.

7. Applicant contractor must provide demand draft for Rs. 1000/- (Rupees One thousand only) (to be purchased on or after publication date of this tender) **in favour of 'PRINCIPAL,HINDU COLLEGE', with their application/downloaded tenders as the cost of tender forms/ documents. The all applicable bank charges shall be borne by the applicant and he shall not have any claim what so ever on this account on College. In case of re-tendering, the firms which has submitted the DD in earlier calls will be required to submit proof of Draft along with their tender/application in subsequent calls. Tender not accompanied with the cost of tender documents is liable to be rejected. However, public sectors undertaking / Govt undertaking firms are exempted from the payment towards cost of tender documents.**

8. The EMD for Rs. 38,000.00 (Rupees Thirty eight thousand only) in the shape of Bank Draft in favour of 'PRINCIPAL,HINDU COLLEGE' shall be deposited along with the Technical bid.

The Hard Copy of original instruments in respect of cost of tender document with all annexures, and earnest money, must be delivered to the Principal, Hindu College on or before bid opening date/time as mentioned in critical date sheet. Tenderer shall likely to be liable for legal action for non-submission of original payment instrument like DD,etc., against the submitted bid. The Demand Draft attached/submitted for tender fee shall be non-refundable.

9. Bids will be opened as per date/time as mentioned in the **Tender Critical Date Sheet**. After online opening of Technical-Bid the results of their qualification as well Price-Bid opening will be intimated latter.

Submission of Tender

The tender shall be submitted online in Two part, viz., technical bid and price bid.

All the pages of bid being submitted must be signed and sequentially numbered by the bidder irrespective of nature of content of the documents before uploading.

The offers submitted by Telegram/Fax/email shall not be considered. No correspondence will be entertained in this matter.

Technical Bid

The following documents are to be furnished by the Contractor along with **Technical Bid** as per the tender document:

- i) DD of the bank in favour of Principal Hindu College (To be enclosed in separate cover)
- ii) Certificates of Work Experience in the form of Performance Certificate/s.
- iii) Copy of valid Certificate of Registration for GST and acknowledgement of up to date filed returns
- iv) PF/ESI registration certificate if applicable.
- v) Experience certificate proving minimum 5 years experience
- vi) Joint Venture not allowed (Annexure I)
- vii) Signed and Scanned Copy of **Tender Acceptance Letter (Annexure IV) & Letter of authorization to submit bid** (annexure VI)
- viii) Signed and scanned copies of all affidavits and undertakings as per annexure I to VI.
- ix) Signed and Scanned Copy of **Technical data sheet**

PRICE BID

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ

PRICE BID UNDERTAKING

From: (Full name and address of the Bidder) _____

To,
Dear Sir/Madam,

I submit the Price Bid for _____ and related activities as envisaged in the Bid document.

2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.
3. I offer to work at the rates as indicated in the price Bid, Annexure IV inclusive of all applicable taxes except Service Tax.

Yours Faithfully,

Signature of authorized Signatory

Schedule of price bid in the form of BOQ

The below mentioned Financial Proposal/Commercial bid format is provided as BOQ along with this tender document. Bidders are advised to download this BOQ as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid. **Bidder shall not tamper/modify downloaded price bid template in any manner.** In case if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with College.

CHECK LIST OF DOCUMENTS TO BE SUBMITTED.-TECHNICAL DATA SHEET

BID CHECKLIST

Bidder is required to fill-up this checklist and enclose along with the envelope containing the Earnest Money.

Sl.	Item Description	Yes/No	Bid Reference
1.	DD of the bank in favour of Principal Hindu College(To be enclosed in separate cover) if registered contractor.		
2.	Certificates of Work Experience in the form of Performance Certificate.		
3.	Copy of valid Certificate of Registration for GST and acknowledgement of up to date filed returns		
4.	PF/ESI registration certificate if applicable.		
5.	Experience certificate proving minimum 5years experience		
6.	Annexure I to VI		
7.	Signed and Scanned copy of Technical Data Sheet		

**Hindu college, University of Delhi,
Delhi-110007**

Notice Inviting Tender

The Principal, Hindu College invites sealed item rate tenders in two bid system tendering from experienced contractors who have experience of retrofitting and water proofing civil work for any government or semi government institution. The agency should have than minimum 5 years of experience . They should who had executed similar work costing not less than 15.2 Lakhs for one work or two works of 11.34 Lakhs each or three works of 7.56 Lakhs each during last five years.

S.NO	NIT NO.	Name of work & location	Estimated cost put to Bid (Rs.)	Earnest Money (In shape of DD Rs.)	Period of completion	Last date & time of submission of Technical & Financial Bid	Time & date opening of Technical Bid	Cost of tender Non – refundable (In shape of DD Rs.)
1	2	3	4	5	6	7	8	9
1		CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.	18,91,029.00	38,000.00	3 Months	11.09.2023	12.09.2023	1,000.00 (In favour of Principal Hindu College)

The intending bidder must read the terms and conditions of NIT carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

1.1 Estimated cost, however, is given merely as a rough guide.

1.2 Intending bidders who are eligible shall submit the bid with definite proof of having executed similar work from the appropriate authority, which shall be to the satisfaction of the competent authority , regarding completed similar works of magnitude as specified.

Criteria for eligibility for submission of bid documents

1.2.1 Criteria of eligibility for contractors.

Three similar works each of value not less than @40% of estimated cost or two similar works each of value not less than @60% of estimated cost or one similar work of value not less than @80% of estimated cost of any Central/State Govt. Departments/Corporations /Undertakings /Development Authorities in last 5 years ending last day of month previous to the one in which the bids are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to the last date of submission of bid.

“Similar work” means RCC underground tank with Waterproofing work.

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD- 8 which is available on website www.cpwd.gov.in. The bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **3months** from the date of start as defined in schedule F or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid documents consisting of specifications, schedule of quantities of various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents except
All the General conditions of Contract regarding Labour welfare, adherence to labour laws, Safety provisions, Environmental precautions and provisions shall be applicable. If the contractor finds certain conditions irrelevant to the project he should point out those conditions before entering into agreement.
6. After submission of the bid, the contractor can re submit revised bid any numbers of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more items(s) any number of times (he need not reenter rates of all the items) but before last time and date of submission of bid as notified.
8. The Earnest Money of Rs. 38,000.00 drawn in favour of Principal, Hindu College, Delhi in the shape of pay order/DD of Bank.
9. The bid submitted shall become invalid if:
 - i) The bidders are found ineligible.
 - ii) The bidder does not submit all the documents (including GST registration) as stipulated in the bid document.
10. The Contractor, whose bid is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule 'F'. This guarantee shall be in the form of Deposit at call receipt/Banker's Cheque/Demand Draft /Pay order / Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in schedule F including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
11. **The description of the work is as follows:**
CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.
Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any

misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidders 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 of conditions and rates at which stores, tools and plant, etc. will be issued to him by Principal, Hindu College and local conditions and other factors having a bearing on the execution of the work.

12. The competent authority on behalf of Principal, Hindu College does not bind itself to accept the lowest or any other tender, and reserves to itself the authority to reject any or all of the tenders received without assigning any reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
13. The competent authority on behalf of **Principal, Hindu College** reserves to itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
14. The tender for the works shall remain open for acceptance for a period of 90 days from the date of financial bid. If any tenderer withdraws his tender before the said period or issue of "letter of acceptance", whichever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Principal, Hindu College shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re bidding process of the work.
15. The Notice Inviting Tender shall form a part of the contract document. The successful bidder on acceptance of his bid by the accepting authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings if any forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard CPWD Contract Form 8 shall be applicable with GCC and correction that the word CPWD shall be substituted & read as Hindu College (University of Delhi).
16. All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e. increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs.

However, effect of variation in rates of GST or Building and Other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease.

17. The contractors are required to quote their rates in of items in figures and words both.
18. The contractor shall submit declarations and details in the format as per **annexure-II** to refund EMD (in case tender is not accepted).

For & On behalf of
Principal, Hindu College

SCHEDULES FOR MAJOR COMPONENT (CIVIL WORK)

SCHEDULE 'A'

(i) Schedule of quantities (Enclosed) for Civil work and other works :

SCHEDULE 'B'

Schedule of materials to be issued to the contractor. NIL

SCHEDULE 'C'

Tools and plants to be hired to the contractor -

S.No.	Description	Hire Charges per day	Place of Issue
1.	2.	3.	4.
NIL			

-NIL-

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any. NIL

SCHEDULE 'E'

Reference to general condition of contract GCC 2014 for CPWD works incorporating amendments upto date

Name of Work : CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.

Estimated cost of work : Rs.18,91,029.00

i. Earnest money : Rs. 38,000.00

ii. Performance Guarantee : 5% of the tendered value

iii. Security Deposit : 5% of tendered value

Schedule 'F'

Officer inviting tender

Engineer-in-charge

Definitions:

2 (v)	Engineer-in-charge	Engineer in-charge shall be a person deputed by College
2 (viii)	Accepting Authority	Principal, Hindu College
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2 (xi)	Standard Schedule of Rates	DSR 2021
2 (xii)	Department	Principal, Hindu College
9 (ii)	Standard CPWD contract form	CPWD contract form 8 with general conditions of contract incorporating amendments upto date

Clause- 1

- i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, **10 days.**
- ii) Maximum allowable extension beyond the period provided in (i) above: **7days.**

Clause 2

Authority for fixing compensation under Clause 2.

Principal, Hindu College.

Whether Clause 2A shall be applicable

No

Clause 5

Number of days after the date of issue of letter of acceptance for reckoning date of start.

10th Day

Mile Stone(s) as per table given below:

Table of Mile Stone(s)

S. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be withheld in case of non-achievement of mile stone
1.	1/8(of the whole work)	1/4(of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of tendered value of work will be withheld for failure of each mile stone.
2.	3/8(of the whole work)	1/2(of the whole work)	
3.	3/4(of the whole work)	3/4(of the whole work)	
4.	Full	Full	

Time allowed for execution of work.

3 months

Authority to decide

- (i) Extension of time: - **Principal, Hindu College**
- (ii) Rescheduling of mile stones:- **Principal, Hindu College**

Clause 6, 6A

Clause applicable – (6 or 6 A)

6AApplicable

Clause 7

Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.

As mutually agreed

Clause 10A

List of testing equipment to be provided by the contractor at site.

A. For building works

1. Cube Moulds.
2. Equipment for Slump Test-slump cone, steel plate, tamping rod, steel scale, scoop
3. Graduated measuring cylinder of glass
4. Measuring Steel Tape 3/5/15/30 meter
5. Any other equipment as per direction of Engineer-in-charge.

Clause 10 B(ii)

Whether Clause 10 B (ii) shall be applicable

No

Clause 10C**Component of labour expressed as percent of value of work****Not Applicable****Clause 10 CA****Not Applicable****Clause 10CC****Not Applicable****Clause 11**

Specifications to be followed for Execution of work

(i) ***C.P.W.D. General Specification for 2019, Vol. I & II with up to date correction slips for civil work.*****Clause 12**

Deviations may happen to any limit. The Contractor is required to execute the work up to any extent as required by Engineer-in-Charge within the rates quoted by him in tender. Quotation shown in schedule of quantities are tentative and may increase or decrease as per standard condition.

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site in sufficient numbers

1. Concrete Mixer& concrete pump
2. Plate/Needle Vibrator
3. Leveling machine & staff/total work station
4. Vibratory compactor
5. Road roller 8-10 tons if required for work

Note:- In addition to above any other equipment required at site during execution shall be brought by the contractor as per directions of the Engineer-in-charge.

Clause 36 (i) Requirement of Technical representative (s) and recovery rate,

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from to contractor in the event of not fulfilling provision of Clause 36 (i)
1	Graduate Engineer or Diploma Engineer	CIVIL	Technical Representative	3Years	One	Rs. 20,000/-

Clause 42

- i. a. Schedules / Statement for determining theoretical quantity of cement & bitumen on the basis of **Delhi schedule of rate.** with upto date correction slips 9 printed by C.P.W.D. **2021,**

- ii. Variations permissible on theoretical quantities.
 - a) Cement for works with estimated cost put to tender not more than Rs. 5 Lakhs: **3 % plus / minus.**
 For works with estimated cost put to Tender more than Rs. 5 Lakhs: **2% plus / minus.**
 - b) Bitumen for all works: **2.5% plus only & nil on minus side.**
 - c) Steel Reinforcement and structural steel sections for each diameter, section and category. **2% plus / minus**
 - d). All other materials: **Nil**

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S. No.	Description of item	Rates in figures and works at which recovery shall be made from the contractor.
		Less use beyond the Permissible variation
1.	Cement	Rs. 7600.00 Per MT
2.	Steel Reinforcement	Rs.78000.00 Per MT

For & on behalf of
Principal, Hindu College.

APPROVED LIST OF LABORATORIES

The following Government & non-Government Laboratories are approved for testing of samples.

A. Government Laboratories.

- I. NTH, Ghaziabad
- II. CRRI, Delhi
- III. IIT, Delhi
- IV. C.P.W.D. Lab, I.P. Estate, New Delhi.
- V. R.T.C., Okhla
- VI. C.B.R.I., Roorkee
- VII. FRI, Dehradun
- VIII. NCCBM, Ballabgarh.

B. Non Government Laboratories.

- I. Sri Ram Test House, Delhi
- II. Sun Beam Auto Lab, Gurgaon
- III. Spectro Analytical Lab, Ballabgarh/Okhla.
- IV. Delhi Test House, G. T. Karnal Road, Azadpur, Delhi.
- V. Any other laboratory with proper prior approval of Architect & Engineer-in-charge.

75% tests shall be carried out from Government labs and 25% from the private.

CONDITIONS FOR CEMENT

1. The contractor shall procure 43 grade (conforming to IS 8112) ordinary Portland cement, as required in the work, from reputed manufacturers of cement having a production capacity not less than one million Tons or more per annum, such as ACC, Ultratech, Birla, J.K., Vikram, Ambuja & Cement Corporation of India etc., as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
2. The cement shall be brought at site in bulk supply of 15 Tons (approximately) or less as decided by the Engineer-in-charge.
3. If so required the cement godown of the capacity to store up to of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.
4. The cement shall be got tested by the Engineer-in-charge if required and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost & charges of tests shall be borne by the contractor.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.
6. The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.

CONDITIONS FOR STEEL

1. The contractor shall procure steel reinforcement Fe500 D bars as specified in structural drawings conforming to the relevant BIS codes from the main producers as approved by the Ministry of Steel and secondary producers or re-rollers having valid BIS license. For TMT bars conforming to relevant BIS code, procurement shall be made from main producers. The contractor shall submit original vouchers from the manufacturer for the total quantity Steel supplied under each consignment.
2. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.
3. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the

contractor does not conform to BIS codes, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-charge to do so.

4. The steel reinforcement bars shall be brought to the site in bulk supply of 10 tons or more, or as decided by the Engineer-in-charge.
5. The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
6. For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below:

<i>Size of bar</i>	<i>For consignment below 100Tons</i>	<i>For consignment above 100 Tons</i>
Under 10 mm dia bars	One sample for each 25 Tons or part thereof	One sample for each 40 Tons or part thereof
10 mm to 16 mm dia bars	One sample for each 35 Tons or part thereof	One sample for each 45 Tons or part thereof
Over 16 mm dia bars	One sample for each 45 Tons or part thereof	One sample for each 50Tons or part thereof

7. The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.
8. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.
9. The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.
10. Reinforcement including authorized spacer bars and lap pages shall be measured in length of different diameters as actually used but not more than as specified in the drawings.
11. Reinforcement including authorized spacer bars and laps shall be measured in length of different diameter, as actually(not more than as specified in the drawings) used in the work nearest to a centimeter and their weight calculated on the basis of standard weight given in Table in CPWD specification Vol-I. In case actual unit weight of the bars is less than standard unit weight, but within variation, in such cases weight of reinforcement shall be calculated on the basis of actual unit weight. Wastage and unauthorized overlaps shall not be paid for. Annealed steel wire required for binding or tack welding shall not be measured, its cost being including in the rate of reinforcement.
12. In case, TMT steel bars from main producers as above are not available, TMT steel bars from approved secondary procedures having valid BIS license, can be used after obtaining prior approval of the Engineer-in-charge in writing. The contractor will have to produce a Non availability Certificate 'from the main producers and shall pay difference in the rates between the primary& secondary producers of steel on the date of payment shall be recovered from the contractors payments.

**Form of Bank Guarantee Bond
(Performance Guarantee)**

In consideration of the Principal, Hindu College having offered to accept the terms and conditions of agreement between Principal, Hindu College and(hereinafter called "the said Contractor(s)") for the work (hereinafter called "the said agreement")) having agreed to production of irrevocable Bank Guarantee for Rs..... (Rupees only) as a security / Guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We(hereinafter referred to as "the Bank") hereby undertake to pay to the Principal, Hindu College an amount not exceeding Rs. (Rupees..... only) on demand by the Principal, Hindu College. .
2. We.....(indicate the name of the Bank) do hereby undertake to pay the amount due and payable under this Guarantee without any demure, merely on a demand from the Principal, Hindu College 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 regard 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 Rs.(Rupees Only).
3. We the said bank further undertake to pay to the Principal, Hindu College any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit proceeding pending before any court or tribunal related thereto, our liability under this present being absolute and unequivocal.

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

4. We (indicate the name of the Bank) 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 that it shall continue to be enforceable till all the dues of the Principal, Hindu College 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 Principal, Hindu College certified that the terms and conditions of the said agreement have been fully and properly carried out the said Contractor(s) and accordingly discharges this Guarantee.
5. We(indicate the name of the Bank) further agree that the Principal, Hindu College 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
6. to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Principal, Hindu College against the said contractor(s) and to forbearance 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, extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of , or any indulgence by the Principal, Hindu College 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.

7. The guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
8. We (indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of the Principal, Hindu College in writing.
9. This guarantee shall be valid up to unless extended on demand by Principal, Hindu College Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees..... Only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated that day of for (indicate the name of the Bank).

LIST OF APPROVED MAKES FOR CIVIL WORKS

S.No	Material	Make
1	White Cement	: Birla White / J.K. White
2.	TMT Steel bars	: SAIL, TISCO, RashtiyaIspat (RINL),JSW
3.	Veneered Particle Board	: Action TESA/ECO
4.	Laminated Particle Board	: Action TESA/ECO
5.	Flush door shutters	: Kitply Swastik. Greenply .
6.	Factory made panelled door shutters	: Pioneer Timber products Chandigarh, Everest Pathankot, Drone Timber, Mohali, M/S Jain Door Private Ltd. Kundli, Garnelt.
7	Water Proofing Compound	: Fosroc/Pidilite/CICO. .
8.	M.S. Pipe/GI pipe	: Jindal ,Surya,Parkash,
9.	PVC Pipe and Fittings	: Supreme, AKG, Finolex, Prince
10.	Oil Bound Distemper/dry distemper/steel & wood primer/synthetic enamel paint	: Nerolac/Berger/Asian/ ICI (Dulux Gloss)
11.	Mosaic/ cement concrete chequered Tiles/paver block	: Nitco, Modern, NTC,
12.	Ceramic Glazed/Vitrified Tiles	: Kajaria/,NITCO/, Orient/ Somany/ bell/ Johnson
13.	Dash / Anchoring Fasteners	: HILTI/Fischer
14.	Nuts/Bolts and Screws	: GKW, Atul
15	Stainless Steel Sink	: Neelkanth, Nirali, Jayna
16	Float /Gate Valve	: Zoloto, Leader
17	Admnixtures	: Fosroc ,CICO, Asian Chembond.
18	Viterouss China Sanitary Ware	: Parryware, Hindware, Neycer, Cera
19	PVC Flushing Cistern	: Commander/Hindware Slim line)/Champion
20	CP Fittings	: Jaquare/MARC/Kingstone/Gem/Parko/Chilly
21	CP Accessories	: MARC/Jaquar/Kingston/ Parko/Gem./Chilly
22.	PTMT Fittings	: Paryag or equivalent
23	Centrifugally Cast (Spun) Iron Pipes & fittings	: R.I.F./, NECO,
24.	G. I pipes	: Jindal/ Parkash
25.	G.I. Fittings	: Unik/ MAC, KS,
26	C.I. Pipes (Class LA)	: Electrosteel/Kesoram/Jindal Saw Ltd.
27	Gun metal Valves.	: Leader, Zoloto

S.No	Material	Make
28	Brass stop and Bib Cock	: L&K/ Leader.
29	Stoneware pipes	: Prefect/ Hind
30	Mirror Glass	: Atul/Modi Guard/Golden
31	Aluminium sections	: Hindalco/Jindal
32	Masking tapes	: Garware /3M
33	Stainless steel screw for fabrication and fixing of windows.	: Kundan/Punja / Atul
34	Stainless Steel bolts/ Washers and Nuts.	: Kundan /Punja/Atul
35	Stainless steel pressure plate screw	: Kundan /Punja/Atul
36	6mm thick clear float glass	: Saint. Gobain/Gujarat Guardian Ltd./ASASII
37	Weather silicon make and grade	: Dow Corning/Wackers / GE
38.	Aluminium fittings	: Classicor equivalent
39.	Water Storage Tanks	: Sintex/Sheetal
40.	Stainless Steel Railings& other items:	Aravli/Jindal Arc
41	False Ceiling system	: Saint Gobain/USG/Armstrong, : Luxalon/Trac/Gypboard
42.	Polycarbonate Sheet	: Lexan/GE
43.	Cement Bonded Board	: Bison
44.	Glass wool/fiber glass cloth	: Twiga
45.	Aluminium prefabricated Windows/Doors	:
46	Plywood/Board	: Kitply/Green ply/Duro.
47	Laminates	: Wood stoke/Merino/Kit/touch wood
48	Tile fixing Adhesive	: Fevimatt or equivalent BIS mark
49.	Toilet cubicles	: Merino
50.	FRP Package STP Plant	: Sintex

NOTE:

1. If none of preferred make material is available, material of the other make can be used confirming to specification with prior approval of Engineer-in-charge.
2. Any material not listed above but necessary for the execution of various items shall be at least conform to BIS standards or equivalent shall be used with the prior approval of Engineer-in-charge and approved sample shall be kept at site of work.
3. Approved makes of materials also include the makes and brands, which might have been mentioned specifically in the nomenclature of an item in the Schedule of Quantities as well as the CPWD specifications. This list will supersede the make/brand of any material stated elsewhere.
4. The Engineer in Charge may change the make in case any difficulty is observed to procure from market any specific make or any complaint observed on the make of a particular item.

(Signature of the Agency)

(Signature of the Engineer-in-charge)

GUARANTEE TO BE EXECUTED BY THE CONTRACTOR FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS

The agreement made this day of two thousand between S/o of (hereinafter called the Guarantor on the one part) and the Managing Director, Principal, Hindu College(hereinafter called the Government/Department on the other part).

WHEREAS AS THIS agreement is supplementary to a contract (hereinafter called the contract) dated and made between the Guarantor of the one part and the Government of the other part, whereby the contractor, inter alia undertook to render the buildings and structures in the said contract recited completely water and leak proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the affect the said structures will remain water and lead proof, for five years from the date of completion of maintenance period.

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structures completely lead proof and the minimum life of such water proofing treatment shall be five years to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the Guarantor will not be responsible for leakage caused by earthquake or misuse of roof or alternation and for such purpose.

- (a) Misuse of roof shall mean any operations, which will damages proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof.
- (b) Alternation shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts.
- (c) The decision of the Engineer-in-charge with regard to cause of leakage shall be final.

During this period of guarantee, the guarantor shall make good all defects and in case of any defect being found, render the building water proof to the satisfaction of the Engineer-in-charge at his cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-charge calling upon him to rectify the defects failing which the work shall be got done by the Department by other contractor at the Guarantors cost and risk. The decision of the Engineer-in-charge to the cost, payable by the Guarantor shall be final and binding.

That if the Guarantor fails to execute the water proofing or commits breach there under, then the Guarantor will indemnify the Principal and his successors against all loss, damages, cost, expenses or otherwise which may be incurred by him by reason of any case on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and/or cost incurred the Government/ College the decision of the Engineer-in-charge will be final and binding on the parties.

IN WITNESS WHEREOF these presents have been executed by the obligator and by and for and behalf of the Principal, Hindu College on the day, month and year first above written.

Signed sealed and delivered by OBLIGATOR in the presence of:-

- 1.
- 2.

Signed for and on behalf of
Principal, Hindu College

GENERAL SPECIFICATIONS & SPECIAL CONDITIONS (CIVIL)

- 1 The entire works shall be done as per CPWD specifications for Delhi 2009 Vol. I to II with upto date correction slips. If the specifications for any item are not available in the CPWD specification referred above, relevant ISI specifications shall be followed. In case ISI specifications are also not available, the decision of the Engineer-in-Charge, shall be final.

Before commencement of the work, the contractor shall correlate nomenclature of the items with all the relevant Architectural and structural drawings to satisfy himself that the information available there from is complete and unambiguous. The figures and written dimensions on the drawing shall supersede the measurements by scale. The contractor will submit for approval of Engineer-in-charge, his working drawings and the sample of work to be performed under the specified items of work before actually commencing the mass execution of work under the item. Nothing extra shall be payable on this account.

2. The nomenclature of the item shall take precedence overall and anything stated elsewhere.
 - a) The conditions and specifications attached to tender documents shall take precedence over the provisions of CPWD specifications 2009 (Vol. I to II) with upto date correction slips.
 - b) In case it is not possible to resolve the dispute with the help of tender documents and CPWD specification 2009 Vol. I to II with upto date correction slips.

In case, it is not possible to resolve dispute with the help of any of the above stated documents, the decisions and directions of the Engineer-in-charge/ Principal, Hindu College shall be final for execution and completion of any item of work.

- 3 No labour shall be allowed to stay within Campus except for Contractors watch and ward staff.**
- 4 Whenever any reference to any Indian standard specifications occurs in the document relating to this contract the same shall be inclusive of all the amendments issued there to or revisions thereof, if any, upto the date of receipt of tenders.
- 5 The work shall be carried out in the manner complying in all respects with requirement of relevant bye-laws or the local bodies under the jurisdiction of which the entire work is to be executed or as directed by the Engineer-in-charge and nothing extra will be paid on this account.
- 6 The contractor shall be responsible to arrange at his own cost all necessary T&P required for the execution of work.
- 7 The contractor shall make his own arrangement for water and temporary electric connections, if required, and make necessary payment for it direct to the department concerned.
- 8 The contractor is deemed to have fully acquainted himself with the nature and extent of the work and working conditions at site before submitting the tender. The work shall be executed as per preference of items approved by Engineer-in-charge. If the materials, drawing, designs etc. are not available due to any conditions the program of the contractors shall be modified accordingly and no compensations/damages shall be payable.
- 9 The contractor shall take all safety measures precautions by exhibiting necessary caution boards, red flags, red lights, and barriers to avoid any accident during execution of work. The contractor shall be responsible for all damages and accident due to negligence on his part. The contractor shall also provide helmets, safety belts etc. required for workers.
- 10 No payment will be made to the contractor for damages caused by rains or other natural calamities or riots during execution of the work and no claims on this account will be entertained.
- 11 The rates of all items of work shall, unless clearly specified otherwise are including cost of all labour, material and other inputs involved in the execution of the item.

- 12 The work of Third party inspection is not applicable.
- 13 The contractor shall make all efforts to mechanize the construction work to maximum possible extent by using the latest T & P / machinery and equipment etc. The agency shall ensure valid driving license for the operators of any earth moving equipment & in case any mishap occur due to any reasons, It will be solely on the part of the contractor including any compensation claim.
- 14 The contractor will use steel scaffolding with all safety precaution and steel shuttering as per direction of Engineer-in-charge.
- 15 The time of completion shall be essence of the contract and to be strictly adhered to by the contractor. He shall provide a BAR/PERT chart showing all the activity and events for timely completion of the project within 15 days from the award of work.
- 16 The contractor shall make his own arrangement for water at his own cost which should be fit for construction purposes as per CPWD specification. In case any non-conformity, the charge of remedial measures to water shall be borne by the agency.
- 17 The various items of the work shall be taken up simultaneously wherever possible to speed up the work. Nothing extra shall be paid on this account.
- 18 The contractor shall maintain in good condition all work during execution till completion of entire work allotted to him.
- 19 The contractor should make necessary arrangement for round the clock working including working on Sundays and holidays except National holidays& the planning should be done accordingly.
- 20 The contractor shall provide at his on cost all the instruments including surveying instruments etc. required for the purpose of checking at the site of work. Complete layout including setting up Benchmarks, taking and fixing levels for all works required to be executed under the project shall be done by the contractor.
- 21 The contractor shall make arrangement for sufficient quantity of all the materials required for construction of work conforming to specifications. The agency shall procure stone aggregate from the popular source of stones aggregate in NCR like Palli(Faridabad)/Sohna (Gurgaon) or any source approved by the Engineer-in-charge. Similarly the coarse sand shall procure from Herbertpur (Vikas Nagar) or Yamuna Nagar (Haryana), Narnaulor any other source approved by Engineer-in-charge.
- 22 The Contractor shall make necessary arrangements for medical aid to all his workers including availability of first aid box all the time aid the site of work.
- 23 The design and drawing may be revised any time during execution of work by competent authority. No claim shall be entertained on this account.
- 24 Even ISI marked material may be subjected to the quality test at the discretion of the Engineer-in-charge. Whenever ISI marked materials are brought to the site of work the contractor shall, if required by the Engineer-in-charge furnish manufacturers test certificate or test certificates confirm to the relevant IS Codes. However cement /steel will be necessarily tested before start of work and will not be used till test certificates are obtained and approved by Engineer-in-charge.
- 25 The work may be inspected by Central Vigilance Commission or any other Govt. agency on behalf of Principal, Hindu College. Any deduction/compensation proposed by CVC or Principal, Hindu College in this regard for defective work or work not confirming to specifications, loss of time, amount shall be deducted from bills. No claim of the contractor whatsoever shall be entertained on this account.
- 26 The department will be responsible only to the contractor and his authorized representative and none else, with whom contractor may be in liaison or associated in any manner. The agency shall intimate the authorized representative with notarized signature immediately after the acceptance of work.

- 27 The contractor shall also make necessary arrangement at his own cost for diesel generator sets, pump sets for water & sewer disposal required for the work, so that the same can be used by him during failure/none availability of electricity. Necessary permission etc. if required shall be taken by him from the concerned authorities. Nothing extra shall be paid on this account.
- 28 The contractor has to execute the work carefully so that the work already executed may not be damaged due to his operation of machines and manpower. If any work is damaged due to negligence compensation has to be paid / recovered, no claim shall be entertained of this account.
- 29 All tools, plant and machinery provided by the contractor, shall, when brought to the site, be deemed to be exclusively intended for construction and completion of this work and the contractor shall not remove the same or any part thereof without the consent of the Engineer-in-charge.
- 30 The tenderer shall acquaint him with the proposed site of works, its sub-soil strata, underground water table land for stacking / storage of building material and its approach roads before quoting his rates. The construction of new approach road or repair of the existing approach and its maintenance during the execution of the work shall be carried out by the tenderer and nothing extra shall be payable over his quoted rates.
- 31 The contractor shall submit sample of all fitting and fixtures proposed to be used to the Engineer-in-charge for his approval. The approved samples shall remain with the Engineer-in-charge till the completion of work. The contractor shall construct samples of the finishing items like stone and tile work, flooring work, toilets etc. complete in all respects as per the directions of the Engineer-in-charge. These samples shall be got approved from the Engineer-in-charge and the consultant before commencing the mass work& nothing extra shall be paid.
- 32 The contractor shall take care of the safety precautions pertaining to the construction of works, such as excavation, trenching, demolition, provisions of scaffolding, ladder, working platforms, gangways, mixing asphalt materials, electric arc/gas welding, use of hoisting and construction machinery. He shall be governed by relevant provisions of Principal, Hindu College safety code and as directed by the Engineer-in-charge and nothing extra shall be payable in this account.
- 33 The contractor shall be responsible for watch and ward of the building, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures against pilferage and breakage during the period of installation and thereafter till the building is physical handed over to the department.
- 34 The manpower statement indicating the names of the staff with designation & there functional mobile no's will also be intimated to the Engineer-in-charge.
- 35 The agency shall procure at site inclusive of all lead & lifts, RMC of reputed make like Ultratech/Birla/ACC/Lafarge or any other make approved by the Engineer-in-charge without any extra payment.
- 36 The contractor shall comply with all legal orders and directions of the local/public authority and abide by their rules and regulations and pay all fees and charges which may be liable at his own cost. The contract shall give due notices to Municipal/ Police and/ or other authorities that may be required under the law/ rules enforce in the area and obtain all requisite licenses/permission for any obstructions/ enclosures/digging etc. and pay all the charges which may be leviable on this account to execute the work. Nothing extra shall be payable on this account.
- 37 The contractor shall protect the existing/adjoining buildings or works and the work under execution from fire and shall make adequate arrangement for fire protection and firefighting and if any property is damaged by fire due to the negligence of the contractor, the same shall be made good by the contractor at his own cost to the entire satisfaction of Engineer-in-charge.
- 38 All space allotted to the contractor at site shall be vacated and removed from site at any time as and when required as directed by the Engineer-in-charge unconditionally and without any reservation. The Engineer-in-charge will not be obliged to give any reason for such removal. Upon receiving instructions to vacate the space, the contractor shall immediately remove all his structures with dismantled materials, etc. from the site premises and clear & clean-up the site to the satisfaction of

the Engineer-in-charge. It shall be the responsibility of the contractor to safeguard the site and ensure that no illegal encroachments are made by outside elements within the area allotted to the contractor. After completion of the work or earlier as required by Engineer-in-charge, the contractor shall vacate the site totally without any reservation.

- 39 The initial levels of the plot/site shall be taken by jointly by contractor, Principal, Hindu College before the work starts.
- 40 Progress Photographs:-The Contractor shall arrange two set of album of self speaking photographs colour prints of size 5' X 7' (digital) or more as directed by Engineer in Charge reflecting the condition of site before & during and after completion of construction of each site along with CD's. No extra payment shall be paid on this account to the contractor.
- 41 The contractor shall dispose of all rubbish/building malba from the site to the approved municipal dumping ground/or any designated place irrespective of all lead & lift as per direction of Engineer-in-charge. Nothing extra shall be paid on account of any extra lead.
- 42 The agency will depute a liaison assistant/Supervisor to coordinate with the officers of the client department during the execution of the work without any payment in addition to Technical representatives.

43 TESTING OF MATERIAL / QUALITY ASSURANCE

The samples for testing which shall be sent to approved lab the contractor shall have to bear all the cost like cartage/transportation etc. including the cost of sample & testing charges. The frequency and the number of tests shall be as per CPWD specification or as directed by Engineer-in-charge. The 75% tests shall be conducted at site which can be conducted with the equipments available at site & 25% tests shall be conducted from the outside lab. The test which are not possible at site, all such tests shall be conducted from outside lab at the cost of agency.

- i) The contractor shall get the source of various materials and their samples namely aggregate, cement, sand, steel, water etc. to be used on the work, approved from the Engineer-in-charge and kept in custody for matching the consignments of the materials received at site later on.
- ii) In order to ensure quality of the work during its execution, the Engineer-in-charge may require samples for mandatory or routine testing of materials. All cost of the testing, samples, their packing, conveyance from the site to the testing laboratory and return, shall be borne by the contractor. However, it will be discretion of the Engineer-in-charge to get the tests of any materials done at site for which the contractor will have to make proper arrangements & nothing extra will be payable to this account.
- iii) Even ISI marked material may be subjected to the quality test at the discretion of the Engineer-in-charge. Whenever ISI marked materials are brought to the site of work the contractor shall, if required by the Engineer-in-charge, furnish manufactures test certificates or test certificate from approved testing laboratory to establish that the material occurred by the contractor, conform to the provision of relevant IS codes. However, cement/steel will be necessarily tested before start of work and will not be used till test certificates are obtained and approved by Engineer-in-charge.
44. Other agency doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary facility for the same. The contractor shall leave necessary holes, opening extra for laying/burying in the work, pipes, cables, conduits, clamps, boxes, boxes and hooks for fans clamps etc. as may be required for the other agency. Conduit for electrical wiring/cable will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
45. The structural and architectural drawing shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawing relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.
46. The contractor shall be responsible for removal for any defect cropping up in the water proofing work executed by him within the guarantee period of five years from the date of issue of completion

certificate. The form of the guarantee bond to be executed by the contractor within 15 days of start of work shall be as per prescribed format.

47. The contractor shall take all preventive measures against any damage caused by rain, snowfall, floods or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the owners' property and to the work for which the advance payment has been made to him under the contract. If water accumulates in basement/foundation/low-lying areas of site, the contractor shall pump out at his own cost.
48. The contractor shall submit comprehensive insurance policy (CAR) for the entire project before the start of the work & nothing shall be payable to contractor on this account.
49. The agency shall ensure labour/construction workers registration EPF registration with labour department of GNCTD & produce the proof of the said registrations to the Engineer-in-charge as soon as the work is started.
50. The rate of steel reinforcement applies on all dia.
51. The agency shall submit appropriate & ground water lowering system for approval from the Engineer-in-charge. The agency shall start the excavation for basement after getting approval for mode of excavation & safety precautions. Nothing shall be paid to the agency on this account. The agency shall ensure the protection of adjoining structures/boundary wall during dewatering due to change in characteristic of soils.
52. The agency shall store the excavated earth at site if space is available or shift the earth at any other location & shall bring back required quantity of the earth at site at the time of any filling/raising of ground level or for any other purpose. This pertains to disposal of surplus earth and bringing back the required quantity. Nothing shall be paid extra for disposal/ bringing back the excavated earth. The item of back filling of earth shall be paid as per item of the schedule.
53. The agency shall have to erect a sign board at side of appropriate size mentioning the details of project as per direction of Engineer-in-charge.
54. During excavation of basement/ foundation or any other structure and their construction, in case the dewatering is required. The agency has to make their own necessary arrangements for equipment & labour with standby arrangement of DG set etc. at their own cost for uninterrupted excavation and construction. Nothing extra shall be paid on this account.
55. Nothing extra, what so ever shall be payable to the contractor for executing the work as per general specifications and special conditions in all the above paragraphs.

For & on Behalf of
Principal, Hindu College.

Engineer-in-charge

Annexure I (Clause 1.3)**Affidavit**

I/We.....S/o.....R/o.....undertake and confirm that eligible similar work(s) has/have not been got executed through any other contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering for Hindu College in future forever. Also, if such a violation comes to the notice of Department before the issue of letter of acceptance whichever is earlier .the Principal shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

ii) In case of my tender is not accepted as per terms & condition of NIT and for any refund is made to me, the EMD Bank Draft. may be refunded.

A. Name of agency:-

B. Bank, Branch code, Place details etc:-

Signature of Tenderer

Annexure II (Clause 1.3)**Affidavit**

I/WeS/o.....resident ofdo hereby solemnly affirm and declare as under :-

i)That I am sole proprietor/Partner/ authorized representative of the company/LLP of M/s..... at R/o.....

ii) That upto date returns of GST department have been duly filed and no dues are pending of the GSTdeptt.

iii)That this is my true and correct statement.

Signature of Tenderer

ANNEXURE III
CONFIRMATION

I/We confirm that the General Specifications and special conditions appended in the tender documents have been fully examined and full cognizance taken thereof in arriving at the item unit prices and total amount and tendered sums contained therein my/our tender. It is further certified that I/We have not been blacklisted/ debarred from tendering by any of the departments the registration of which is deemed valid in HINDU COLLEGE.

Contractor

Annexure IV -TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: _____

as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I/We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.

6. I/We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)

Annexure V

Undertaking on Letter Head of the Contractor

CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.

Item rate tender HINDU COLLEGE

(A) Technical tender for the work of: CONSTRUCTION OF PUMP HOUSE AT HINDU COLLEGE.

TENDER

I/We have read and examined the notice inviting tender, schedule A,B,C,D,E & F, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the PRINCIPAL, HINDU COLLEGE within the time specified in Schedule 'F', viz, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I /We have read and fully accept the special clause:-**Any deviations as may be ordered up to any limit as per the discretion of Principal, Hindu College. Principal, Hindu College has absolute right to reduce the scope of work and no compensation for such reduction of work in any form shall be payable to the contractor.**

The Governing body of the College may stop the work at its discretion at any stage due to its own reasons. In this case Contractor shall have no claim for the works not executed.

We agree to keep the tender open for ninety (90) days from the date of submission of tender thereof and not to make any modifications in its terms and conditions.

EMD for Rs. Rs. 38,000.00(Rupees Thirty eight thousand only) in the shape of Bank **Draft** of a scheduled Bank / (Mode of EMD to be specified)is being deposited as earnest money. deposited, If I/we fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said PRINCIPAL, HINDU COLLEGE or successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely, further if I/we fail to commence the work as specified, I/we agree that PRINCIPAL, HINDU COLLEGE or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty

to forfeit the said earnest money and the performance guarantee absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered up to any limit as per the discretion of Principal, Hindu College. We agree that the Principal, Hindu College has absolute right to reduce the scope of work and no compensation for such reduction of work in any form shall be payable to the contractor. Further, I/We agree that in case of forfeiture of earnest money or both earnest performance guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering doing process of the work.

I/we hereby declare that I/we shall treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived therefrom to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated :

Signature of Contractor

Postal Address

Witness :.....

Address :.....

Occupation :.....

Annexure VI**Affidavit**

I/WeS/o.....resident ofdo hereby
solemnly affirm and declare as under :-

i) That I am sole proprietor/Partner/ authorized representative of the company/LLP of
M/s..... at R/o.....

ii) That no near relative of mine is an employee at Hindu College, Delhi University, Delhi.

Signature of Tenderer

Annexure VII

Format for Financial Bid (Financial bid has to be filled online only in excel file)

Please fill rates for Complete Scope of services as stipulated in the Technical Bid Document on Firm Price basis .

All tendered rates shall be inclusive of any tax (including GST), levy or cess applicable on last stipulated date of receipt of tender including extension if anv. No adjustment i.e. increase or decrease shall be made for any variation in the rate of GST, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs.

1. The rates shall be quoted in Indian Rupee only.
2. The payment will be made to the Contractor at any Bank Account maintained in India by way of ECS/RTGS after deducting the TDS as applicable.
3. The quoted rates shall remain firm throughout the tenure of the contract and no revision is permissible for any reason.
4. ALL THE RATES SHALL BE INCLUSIVE OF GST. NO GST SHALL BE PAID IN ADDITION.

CONSTRUCTION OF 2 ADDITIONAL FLOORS TO LIBRARY, HINDU COLLEGE					
Sub-head: Civil work of Construction of Pump room					
ITEM No.	DESCRIPTION	QUANTITY	RATE	UNIT	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.All kinds of soil.	232.11		Cum	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.01	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	6.00		Cum	
3.00	Centering and shuttering including strutting, propping etc. and removal of form for :				
3.01	Foundations, footings, bases of columns, beams etc. for mass concrete.	10.11		sqm	
3.02	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	195.00		sqm	
3.03	Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick	62.19		sqm	
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
4.01	Thermo-Mechanically Treated bars.	9920.00		kg	

5	Providing and laying in position machine batched and machine mixed design mix M25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately).	62.00		cum	
6	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm Thick	78		sqm	
7	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	19		sqm	
8	40 mm thick fine dressed stone flooring over 20 mm (average) thick base of cement mortar 1:5 (1 cement : 5 coarse sand), including pointing with cement mortar 1:2 (1 cement : 2 stone dust) with an admixture of pigment to match the shade of stone. Red sand stone	62		sqm	
9	Providing, detailing, and fabricating as per specifications, transporting to site and erecting MS Openable / Sliding / Ornamental Entrance Gates including track and wheel, locking arrangement, fixing bolts, nuts, washers, cleats, stiffeners, gussets decorative balusters, arrow heads etc. and all necessary operations like straightening, bending, cutting, drilling, grinding, machining if specified, welding etc. complete weighing 25 to 30 kg/Sqm, including cleaning, Grinding and removing the welding burr and preparing surface and applying one coat of red oxide zinc chromate primer and one coat of Synthetic Enamel paint after fabrication and second coat of Synthetic Enamel paint after erection, with approved colour, shade and brand etc. including touching up with primer etc. complete as directed by Engineer In Charge	2.20		sqm	
10	Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete :				
10.01	225 mm wide , 8-11 mm thick	33.70		metre	

11	<p>Providing and laying integral cement based treatment for water proofing on horizontal surface at all depth below ground level for under ground structures as directed by Engineer-in-Charge and consisting of :</p> <p>(i) 1st layer of 22 mm to 25 mm thick approved and specified rough stone slab over a 25 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound conforming to IS:2645 in the recommended proportion over the leveling course (leveling course to be paid separately). Joints sealed and grouted with cement slurry mixed with water proofing compound.</p> <p>(ii) 2nd layer of 25 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) mixed with water proofing compound in recommended proportions.</p> <p>(iii) Finishing top with stone aggregate of 10 mm to 12 mm nominal size spreading @ 8 cudm/sqm thoroughly embedded in the 2nd layer.</p> <p>22.1.1 Using rough kota stone.</p>	62.19		sq.mt.	
12	<p>Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge :</p> <p>22.2.1 Using rough Kota stone</p>	49.00		sq.mt.	
13	<p>Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc. at the time of transporting of concrete into the drum of the ready-mix truck , using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90%, compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage</p>	70.00		Kg	

14	<p>Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.</p>				
14.01	22.23.1 For vertical surface two coats @ 0.70 kg per sqm	49.00		sq.mt.	
14.02	22.23.2 For horizontal surface one coat @ 1.10 kg per sqm.	70.00		sq.mt.	
15	<p>Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).</p>	250		kg	
	Grand Total				0.00

