

**NOTICE INVITING TENDER FOR  
“DESIGNING, SUPPLY & INSTALLATION OF CROWN JET  
FOUNTAIN SYSTEMS AT NIB NOIDA.**

Tender No. 04/NIB/2017-2018/Engg.(C/E)

**SCHEDULE OF BIDS**

1	Period of issue / download of Tender document	13.07.2017 to 03.08.2017
2	Last Date & time of submission of Tenders	04.08.2017 at 3:00 P.M
3	Pre Bid meeting	25.07.2017 at 3:00 P.M
4	Date & time of Opening of Technical Bids	04.08.2017 at 4:30 P.M
5	Opening of Price Bids	To be intimated separately only to the technically qualified bidders.
6	Tender Fee	Rs. 560/- (Rs. <i>Five hundred sixty only</i> ) including 12% GST by demand draft in favour of “National Institute of Biologicals, Noida” payable at Noida.

Name of bidder	
Address of Bidder	
Phone Nos.	i- Landline Nos. ii- Cell Nos.
E-mail Id	
Contract Persons & their mobile nos.	i- ii- iii-

**JULY – 2017**



**NATIONAL INSTITUTE OF BIOLOGICALS**

*(Ministry of Health & Family Welfare)*

A-32, SECTOR- 62 (INSTITUTIONAL AREA),

NOIDA – 201 309 (U.P)

Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014

e-mail: [info@nib.gov.in](mailto:info@nib.gov.in)

Website: [www.nib.gov.in](http://www.nib.gov.in)

*National Institute of Biologicals (NIB)*



## NATIONAL INSTITUTE OF BIOLOGICALS

Plot No.A-32, Sector-62(Institutional Area), NOIDA-201 307(U.P)

Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014

E-mail: [info@nib.gov.in](mailto:info@nib.gov.in) Website: [www.nib.gov.in](http://www.nib.gov.in)

### NOTICE INVITING TENDERS

#### Tender No. 04/NIB/2017-18/Engg. (C/E)

**Invitation to Tenders for “Designing, Supply & installation of Crown Jet Fountain”**  
at NIB Campus Noida.

Sealed tenders are invited in two bid system from experienced Civil & Electrical work contractors etc. on the attached tender form for “**Designing, Supply & installation of Crown Jet Fountain System**” at NIB Campus Noida. Bidders are advised to quote competitive rates for this work, on the enclosed tender format including all taxes, duties, labour, T & P etc. required for proper completion of the work. Tender forms can be purchased from Finance Section of NIB, on all working days from 10:00 AM to 5:00 PM on payment of **Rs. 560/- (Five hundred sixty only)** in the shape of demand draft drawn in favour of “*National Institute of Biologicals*” payable at Noida. The tender form can also be downloaded from NIB Website [www.nib.gov.in](http://www.nib.gov.in) or Central Procurement Portal of Govt. of India from **13.07.2017 to 03.08.2017**. However, tender fee must be submitted along with the tender document down loaded from website.

Sealed tender should be dropped in tender box at NIB, Noida, on or before the closing date, i. e. **04.08.2017** up to **3:00 P. M.** Techno- commercial bid shall be opened on the same day at **4:30 P.M.** in presence of the representatives of the bidders, who are present during opening of the tenders. Late tenders will not be received and will be treated as rejected.

Prospective bidders are advised to regularly scan through NIB website tender portal [www.nib.gov.in](http://www.nib.gov.in) as corrigendum/ amendments etc., if any, will be notified on this portal only and no separate intimation/ advertisement will be made in this regard.

**(Dr. Reba Chhabra)**  
**Dy. Director (Admin.) i/c**

*National Institute of Biologicals (NIB)*



## NATIONAL INSTITUTE OF BIOLOGICALS

Plot No.A-32, Sector-62(Institutional Area), NOIDA-201 307(U.P)

Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014

E-mail: [info@nib.gov.in](mailto:info@nib.gov.in)

Website: [www.nib.gov.in](http://www.nib.gov.in)

No. 04/NIB/2017-18/Engg. (C/E)

**Invitation to Tenders for “Designing, Supply & installation of Crown Jet Fountain” at NIB Campus Noida.**

### **Introduction:**

“National Institute of Biologicals (NIB) is an autonomous institution under the Ministry of Health & Family Welfare, Government of India, established on 27<sup>th</sup> January, 1992 and is to be the Central Drugs Laboratory for quality control of all indigenously produced and imported biological products. Presently, eight laboratories of the Institute are notified as Central Drugs Laboratory under provision of Drugs & Cosmetics Act and Rules. Institute plays a vital role in collaboration with CDSCO to strengthen the regulation of biologicals in India by averting the Not of Standard Quality Biologicals reaching the consumer, thereby promoting and protecting public health.

### **1. Scope of Work:**

Crown Jet Water Fountain will be designed by the agency, as per the site conditions for its flawless functioning. This work shall be taken as a turnkey project. Complete works pertaining to Civil Structure, finishes, water supply, drainage arrangement, electrical supply, fountain lighting, fittings, nozzles etc. shall be executed by the agency and the agency shall be responsible for its design, execution and performance. The quantities for items of works have been given in the Bill of Quantity (BOQ) which may vary as per the design prepared by the agency/ contractor. Any extra work if required for completion of the project shall be executed by the contractor upon receiving instructions from NIB. Sketch and image of proposed fountain is attached with this document. Nothing shall be paid separately for designing the fountain.

All materials and works of fountain shall be under one year’s defect liability period. The fountain shall be handed over to NIB in fully complete and fully operational mode.

### **2. Eligibility Criteria:**

- 2.1. Eligibility will be based on meeting the following minimum criteria regarding the Applicant's work experience, personnel and financial position, as demonstrated by the Applicant's responses in the tender.

*National Institute of Biologicals (NIB)*

2.2. The Applicant to meet the following minimum criteria for eligibility:

- (a) Average Annual financial turnover for related works during the last three financial years, ending 31<sup>st</sup> March, 2017 should be at least **Rs. 50.00 lakh**. Necessary supporting document i.e. Balance Sheet, Profit & Loss Accounts for Financial Year 2014-15, 2015-16, 2016-17 to be provided with the tender.
- (b) Experience of having successfully completed similar works during the last seven years ending 30<sup>th</sup> June, 2017 should be either of the following.
- a) Three similar completed works each costing not less than the amount equal to **Rs. 2.50 lakh each**.
- Or**
- b) Two similar completed works each costing not less than the amount equal to **Rs. 3.70 lakh each**.
- Or**
- c) One similar completed work costing not less than the amount equal to **Rs. 5.00 lakh**.

2.3. **Definition of Similar Work: Experience of Designing, Supply and Installation of Water Fountains including Civil & Electrical works in any Govt. office or large private sector company.**

3. **Earnest Money Deposit (EMD):**

The Bidder shall furnish EMD of **Rs. 12,500/-** (*Twelve thousand five hundred only*) along with the tender in the shape of demand draft in favour of "**National Institute of Biologicals**" payable at **Noida**. EMD shall be returned to the bidders after award of the work. The tender not accompanied with requisite amount of EMD shall be rejected. No interest will be paid on EMD.

EMD/Tender Fee can also be deposited by way of NEFT/RTGS and bidder need to indicate transaction ID details with Date & Time etc. Bank details of NIB are as below:

**For Payment of EMD through Bank transfer:**

NAME OF BANK	BANK OF BARODA, SEC-29, NOIDA (U.P)
NAME OF ACCOUNT	NATIONAL INSTITUTE OF BIOLOGICALS
S.B. ACCOUNT	26290100001774
IFSC CODE	BARB0NOIDAX (5 <sup>th</sup> digit is zero)

Transaction code for payment made directly in Bank need to be stated in the Technical Bid at the place of EMD details

*National Institute of Biologicals (NIB)*

4. **Site Visit:**

4.1 The bidder is advised to acquaint himself with the job work, visit the site & examine site conditions, climatic conditions, labour, power, material availability, transport and communication facilities, environmental regulations, laws and byelaws of statutory, local bodies and the Govt. of India and collect all information that will be necessary for preparing the bid and entering into a contract.

The cost of visiting the site and collecting information for the purpose of submission of the bid shall be to the bidder's account.

4.2 The bidder and any of his personnel or agents will be granted permission by NIB to enter upon the site for the purpose of such inspection.

5. **Submission of Tender:**

The contractor shall submit the tender in the sealed envelope in the following manner.

**Envelope No. 1** - shall contain:

- EMD, in the form of demand draft for **Rs. 12,500/-** (*Twelve thousand five hundred only*) in favour of **National Institute of Biologicals, Noida**
- Tender fee of **Rs. 560/-** (*Five hundred sixty only*) if tender document downloaded from NIB website etc.
- Similar work experience certificates in support of fulfilling the eligibility criteria, by the bidder with images and references of installed fountains.
- Balance sheet of the company for the last three financial years etc.
- A copy of tender document duly signed and stamped by the bidder as a token of acceptance of terms & conditions and Bill of Quantities (BOQ) of the tender (**Page No. 1 to 22.**)
  
- This envelope shall be marked as ***Envelope No.1.***  
Tender No.: .....  
Name of Work: .....  
Due date on: .....  
From (Name of bidder): .....

**Envelope No. 2** - Shall contain:

- Price-Bid only. Price shall be filled up by the bidder on the Price-Bid format (**Page No. 23 & 30**) enclosed with the tender by NIB. Price on any other format shall be rejected.

- This envelope shall be marked as *Envelope No. -2*.  
Tender No: .....  
Name of Work: .....  
Due date on: .....  
Name of Company: .....

Both the sealed envelopes No. 1 & 2 shall be then put in a bigger envelope duly addressed to “**Director, National Institute of Biologicals, Plot No. A-32, Sector - 62, Noida - 201 309**” and marked on top Tender for “**Designing, Supply & installation of Crown Jet Fountain System**” at NIB Campus Noida.

**6. Evaluation & Award of work:**

- 6.1 The bids will be evaluated as per the Eligibility criteria given at **Clause -2 above**. The bids which are found to be fulfilling the eligibility criteria shall only be considered for opening of Price-Bids. NIB may seek clarifications in the bids from the bidders during the evaluation process. The work will be awarded to the lowest responsive (L-1), evaluated bidder and Work- order will be issued to the firm. NIB may like to visit the similar completed works of the successful bidder before considering their bid/ award of work.
- 6.2 Substantially responsive financial bids will be checked for any arithmetic errors. Arithmetic errors are to be rectified on the basis of the standard procedure as follows:
- a) If there is a difference between the amount of rate in figure and in words of an item, and the total amount is worked out, then the rate which corresponds to the amount worked by the bidder shall be taken as correct.
  - b) If the bidder has not worked out the amount of an item, or the same does not correspond with the rates written either in figures or in words, then the rate quoted by him in words shall be taken as correct.
  - c) If the rate quoted by the bidder in figures and in words tallies, but the amount is not worked our correctly, the rate quoted by the contractor shall be taken as correct and not the amount.
- 6.3 If the selected bidder refuse to execute the work after award of work, his EMD will be forfeited.

**7. Performance Security:**

- 7.1 Within 7 days of receipt of work order from NIB, the successful firm shall furnish the Performance Security equivalent to 10% of the contact value in the form of Bank Guarantee (from any Nationalized/Scheduled Bank) valid for 60 days beyond expiry of the Defect Liability Period in the format as per **Annexure -A** or in the form of Demand Draft/Pay Order in favour of “**National Institute of Biologicals**” payable at “**Noida**”.

*National Institute of Biologicals (NIB)*

7.2 Failure of the contractor to comply with the requirement of contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, security Deposit in which event NIB may get the work done at the risk & cost of the Contractor.

8. **Contract Agreement:**

NIB will notify the successful bidder that his tender has been accepted and it will send a work order to the bidder describing the works to be carried out and the same shall be returned duly acknowledged affirmatively by the bidder as a token of acceptance and a contract agreement will be signed between both the parties on the agreement form **Annexure-B**. The contractor shall present the agreement on appropriate value of stamp paper for signature of NIB.

9. **Time of Completion and Extension for delay:**

- i) The work shall be completed within **1 (One) Month** from the date of receipt of work order from NIB.
- ii) Due to an event, not attributable to the contractor, causing delay, occurs or a variation order is issued, which makes it impossible to complete the work by scheduled completion date, NIB may consider extending the completion date on the specific request of the contractor.

10. **Liquidated Damages/ Penalty for Delay:**

If the contractor fails to complete the work within the stipulated time or time extended by the Institute (if any), liquidated damages at the rate of 1% per week/part thereof delay subject to maximum 10% of the total work value shall be deducted/ recovered from the contractor.

11. **Specifications:**

The materials proposed and supplied for use in the work shall be of requisite specifications as specified in the tender and also, reputed make in the industry. The agency may be asked to show proof such as bills/challans/Invoices towards purchase of materials from genuine source.

12. **Defect Liability Period:**

The materials & work of the contractor shall be under **1 (one) year's Defect Liability Period (DLP)**. Defect/s noticed during the defect liability period shall be rectified by the contractor without any cost to NIB, failing which the Security Deposit of the Contractor

*National Institute of Biologicals (NIB)*

shall be forfeited. The contractor may also be debarred from any future tendering in the Institute.

**13. Payment:**

- (i) Running bill Payment of the contracted price for respective item will be made on receipt of bill & inspection of site. Final payment will be made within 30 (*Thirty*) days after completion of the work. No advance payment shall be made to start the work. TDS will be deducted as per rules. No bill shall be processed unless 30% work is executed at site.
- (ii) WCT & TDS as applicable will be deducted from the payment to be released under the contract.
- (iii) Necessary Bank details need to be provided for release of payment directly in Contractor's Bank Account. Bank Details is to be filled in the column by bidder as given below:

<b>NAME OF ACCOUNT HOLDER</b>	
<b>NAME OF BANK &amp; ADDRESS</b>	
<b>ACCOUNT NO</b>	
<b>IFSC CODE</b>	
<b>PAN NO</b>	

**14. Bill of Quantity:**

The quantities of work given in the Bill of Quantities (*BOQ*) are approximate to give an idea of work. Work will be carried out as per the given scope. The quantities may vary on higher or lower side. The contractor will execute the varied quantity of work on the quoted rates.

**15. Validity of Bid:**

Validity of bid shall be 60 (*Sixty*) days from the last date of submission of the bid.

**16. a) Tools & Tackles:**

All tools, tackles which will be required for execution of work to be arranged by the contractor and their charges will be deemed to be included in the quoted rates, no extra payment shall be made for the same.



**b) Water & Electricity:**

Water & Electricity will be provided free of cost by NIB, at one point near the work place from where contractor will make arrangement of pipes, cables, power plugs, sockets etc. to extend the same to the work place.

**17. Risks:**

Contractor shall be solely responsible for safety of his workers, working at site by taking insurance cover and by following all safety norms in the trade.

All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor. Excepted Risks are:

- a. (i) War, hostilities (whether war be declared or not), invasion, act of foreign enemies.
  - (ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
  - (iii) Ionising radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.
  - (iv) Pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speed.
- b. Loss or damage due to the use or occupation by the Employer of any section or part of the Permanent Works, except as may be provided for in the Contract.

**18. Disputes:**

If any dispute or difference of any kind, whatsoever, shall arise between NIB and the Contractor, in connection with or arising out of the Contract, or the execution of the works, whether during the progress of the works or after their completion and whether before or after the termination, abandonment or breach of the contract, it shall, be settled under the Indian Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause. Such arbitration shall be settled by Sole arbitrator who shall be appointed by Director, NIB. The arbitration shall take place in Noida/Delhi unless both parties agree otherwise.

**19. Particulars of bidders:**

The following details of the bidder are necessary for linking on Central Procurement Portal etc. as per Govt. of India orders. The details may be filled carefully.

**Detail of Bidder**

1.	<b>Name of Company/ firm/ agency with full address</b>	
2.	<b>Name of Contact Person</b>	
3.	<b>Mobile No.</b>	
4.	<b>Land Line Telephone No.</b>	
5.	<b>Email address</b>	

**20. Right to accept or reject the Tender:**

Director, NIB reserves the right to accept or reject any or all the tenders without assigning any reason thereof.

*Stamp of bidder with signature of authorized signatory,*

**PROFORMA FOR PERFORMANCE BANK GUARANTEE**

*(On stamp paper of appropriate value from any Nationalized Bank)*

To,

M/s National Institute of Biologicals  
Plot No. A - 32, Sector - 62,  
**NOIDA - 201 309.**

Dear Sir,

In consideration of *National Institute of Biologicals* (hereinafter called as the Employer which expression shall include his successor and assigns having awarded to ..... (here in after referred to as the said Contractor or Contractor' when expression shall wherever the subject of context so permits include its successors and assigns) a contract No. .... In terms inter alia, of the NIB's Letter No. .... dated. .... and the General Conditions of Contract and upon the condition of the contractor's furnishing security for the performance of the contractor's obligations and discharge of the contractor's liability under in connection with the said contract up to a sum of Rs..... (Rupees..... only) amounting to 10 % (*Ten*) percent of the total contract value.

1. We ..... (here in after called "The Bank which expression shall include its successors and assigns) hereby jointly and severally undertake to guarantee the payment to The Employer in rupees forthwith on demand in writing and without protest of demur or any and all moneys anywise payable by the contractor to The Employer under in respect of or in connection with the side contract inclusive of all The Employer's losses and damages and costs, (inclusive between attorney and client) charges and expenses and other moneys anywise payable in respect of the above to this guarantee up to an aggregate limit of Rs. ..../- (Rupees.....only).
2. We ..... Bank further agree that The employer shall be sole judge of and as to whether the said contractor has committed any breach or breaches of any of the terms and conditions of the said contract and the extent of loss, damage, cost, charges and expenses caused to or suffered by or that may be caused to or suffered by The Employer on account thereof and the decisions of The Employer that the said Contractor has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by The Employer from time to time shall be final and binding on us.

*National Institute of Biologicals (NIB)*

3. The Employer shall be at liberty without reference to the bank and without affecting the full liability of the bank hereunder to take any other security in respect of the Contractor's obligations and liabilities hereunder or to vary the contract or the work to be done thereunder vis-à-vis the Contractor or to grant time or indulgence to the Contractor or to reduce or to increase or otherwise vary the prices of the total contract value or to release or to forbear from enforcement of all or any of the security and/ or any other security (ies) now or hereafter held by the Employer and no such dealing (s) reduction (s) increase (s) or other indulgence (s) or arrangements with the Contractor or release or forbearance whatsoever shall absolve the Bank of the fail liability to The Employer hereunder or prejudice the rights of The Employer against the bank.
  
4. This guarantee shall not be determined or affected by the liquidation or winding up, dissolution, or change of constitution or insolvency of the Contractor but shall in all respect and for all purposes be binding and operative until payment of all monies payable to The Employer in terms thereof.
  
5. The bank hereby waives all rights at any time inconsistent with the terms of this guarantee and the obligations of the bank in terms hereof shall not be anywise affected or suspended by reason of any dispute or dispute having been raised by the Contractor stopping or preventing or purporting to stop or prevent any payment by the bank to The Employer in terms hereof.
  
6. The amount stated in any notice of demand addressed by the Employer to the bank as liable to be paid to the Employer by the Contractor or as suffered or incurred by The Employer on account of any losses or damages of cost, costs, charges and / or expenses shall be conclusive evidence of the amount so liable to be paid to The Employer of suffered or incurred by The Employer as the case may be and shall be payable by the bank to The Employer in terms hereof.
  
7. This guarantee shall be a continuing guarantee and shall remain valid and irrevocable for all claims of the Employer and liabilities of the contractor arising up to and until midnight of.....
  
8. This guarantee shall be addition to any other guarantee or security whatsoever that The Employer may now or at any time anywise may have in relation to the contractor's obligations/ or liabilities under and/ or in connection with the said contract, and The Employer shall have full authority to have recourse to or enforce this security in preference to any other guarantee or security which The Employer may have or obtain and no forbearance on the part of The Employer in enforcing or requiring enforcement of any other security shall have the effect or releasing the Bank from its full liability hereunder.

9. It shall not be necessary for the Employer to proceed against the said Contractor before proceeding against the Bank and the Guarantee herein contained shall be enforceable against the bank notwithstanding that any security which the Employer may have obtained or obtain from the contractor shall at the time when proceedings are taken against the said bank hereunder be outstanding or unrealized.
10. We the said Bank undertake not to revoke this guarantee during its currency except with the consent of the Employer in writing and agree that any change in the constitution of the said contractor or the said Bank shall not discharge our liability hereunder.
11. We. ....the said Bank further that we shall pay forthwith the amount stated in the notice of demand notwithstanding any dispute/ difference pending between the parties before the arbitrator and/ or that any dispute is being referred to arbitration.
12. Notwithstanding anything contained herein above, our liability under this guarantee shall be restricted to Rs...../- (Rupees .....only) and this guarantee shall remain in force till ..... and unless a claim is made on us within 3 (*Three*) months from that date, that is before ..... all the claims under this guarantee shall be forfeited and we shall be relived of and discharged from our liabilities thereunder.

Dated .....day of .....2017.

For and on behalf of Bank.

Issued  
Under  
Seal

**FORM OF AGREEMENT**  
*(On appropriate value stamp paper)*

**AGREEMENT**

This agreement made the ..... day of January two thousand sixteen between the *National Institute of Biologicals, Plot No. A-32, Sector-62, NOIDA*, (hereinafter called "NIB") of the one part, which expression shall include his successors and assigns and M/s .....

..... (hereinafter called "The contractor") which expression shall include his heirs, executors, administrators and assigns of the other part.

Whereas NIB is desirous that certain works should be executed by the Contractor, viz ..... for National Institute of Biologicals at NOIDA - 201 309 (U. P) ("the works") and has accepted a Bid of the Contractor for the execution and completion of the works and the remedying of any defects therein.

Now this Agreement witnesses as follows:

1. In this Agreement words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract herein after referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
  - a- Tender No. .... dated: .....
  - b- Letter No. .... to M/s .....
  - c- NIB Work Order letter No. .... dated: .....
3. In consideration of the payment to be made by the NIB to the contractor as hereinafter mentioned, the Contractor hereby covenants with NIB to execute and complete the works and remedy any defects therein in conformity in all respect with the provisions of this agreement.

*National Institute of Biologicals (NIB)*

4. The National Institute of Biologicals hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying of defects therein the Contract Price or such other sum as may become payable at the times and in the manner prescribed by this agreement.

In Witness whereof the parties hereto have this Agreement to be executed the day and year first before written.

Signed, Sealed and Delivered by the Said \_\_\_\_\_

Binding signature for and on behalf of  
*National Institute of Biologicals,*  
*A-32, Sector -62, NOIDA.*

\_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

In the presence of

Witness (1): .....

Witness (2): .....



NATIONAL INSTITUTE OF BIOLOGICALS  
Plot No.A-32, Sector-62(Institutional Area), NOIDA-201 307(U.P)  
Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014  
E-mail: [info@nib.gov.in](mailto:info@nib.gov.in) Website: [www.nib.gov.in](http://www.nib.gov.in)

### BILL OF QUANTITY (BOQ)

Tender No. 04/NIB/2017-18/Engg. (C/E).

**Name of work:** Tender for “Designing, Supply & installation of Crown Jet Fountain System” at NIB Campus Noida.

Srl. No.	Description of Item	Unit	Qty.
<b>A.</b>	<b>Civil Works:</b>		
1.	Earth work in excavation by mechanical means (Hydraulic excavator/manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 Sqm. On plan) including getting out and disposal of excavated earth lead up to 50m and lift up to 1.5m, as directed by Engineer-in-charge. All kind of soil.	Cum	15
2.	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.5m, including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50m, all kind of soil.		
	Pipes, Cables etc. not exceeding 80mm dia	metre	45
3.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.		
	1:2:4 (1 cement: 2 coarse sand (zone-III): 4 graded stone) aggregate 20mm nominal size.	Cum	04
4.	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundation and plinth in:		
	Cement mortar 1:4 (1 cement :4 coarse sand)	Cum	04
5.	Half brick masonry with common burnt clay F.P.F. (non-modular) bricks of class designation 7.5 in foundations and plinth in.		
	Cement mortar 1:3 (1 cement: 3 coarse sand).	Sqm.	3.60

*National Institute of Biologicals (NIB)*



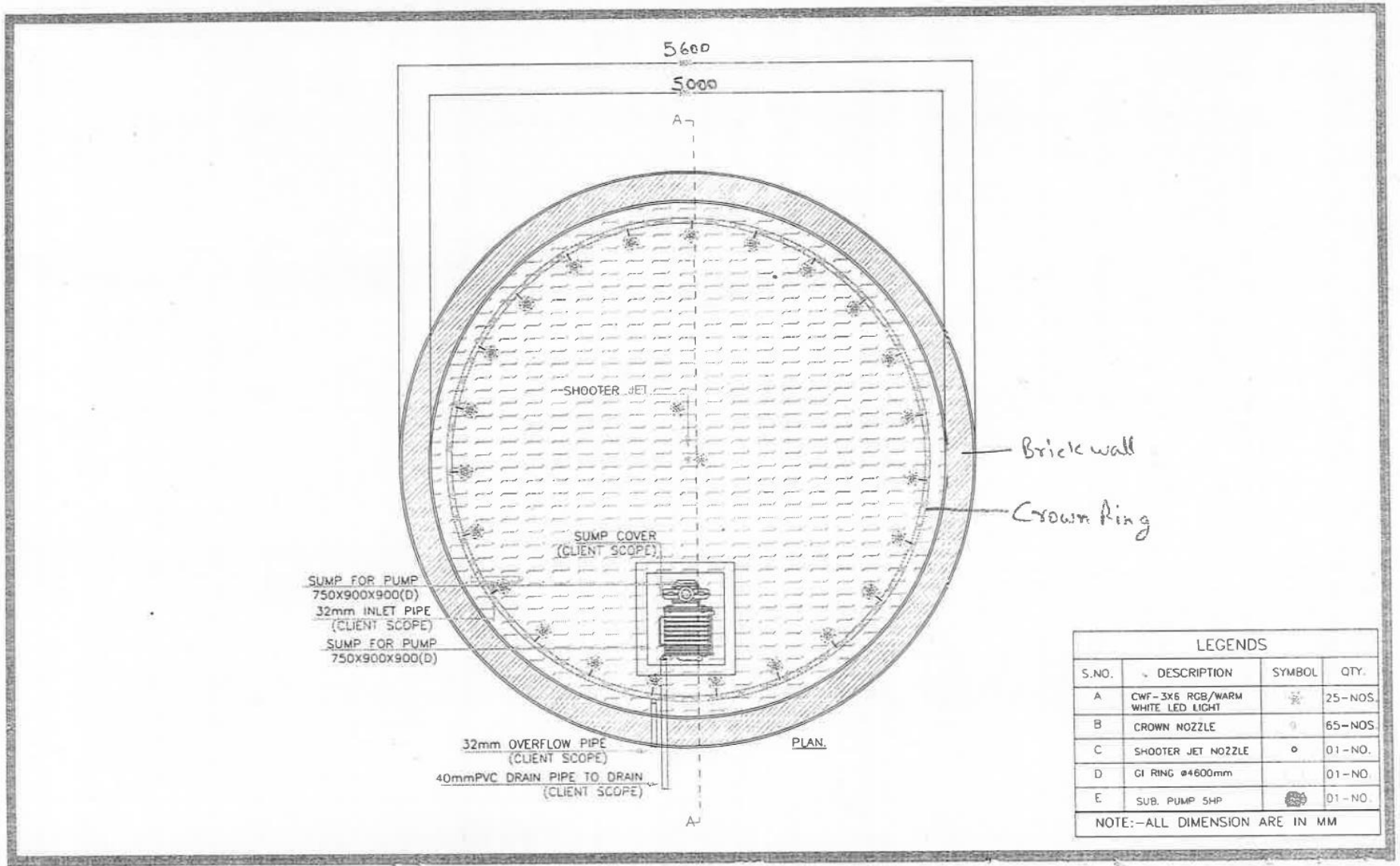
6.	Wall lining butch work upto 10m height with Dholpur stone 40mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75mm and by providing layer of 75mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) i/c ruled pointing in cement mortar 1:3 (1 white cement: 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.	Sqm.	08
7.	Providing and fixing 18mm thick gang saw cut, mirror polished, premoulded and pre-polished, machine cut for kitchen plateforms, vanity counters, window sills, facias and similar locations of required size approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing. Curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.		
	Granite of any colour and shade.		
	Area of slab up to 0.50 sqm.	Sqm.	08
8.	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge.		
	Granite work.	Metre	32
9.	Kota stone slab flooring over 20mm (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.	Sqm.	05
10.	Providing & fixing Glass mosaic tiles on finished plain wall surface of size 20mm x 20mm x 4mm in all colour, design, fixing in approved design, The glass mosaic tiles shall be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per Sqm. And grouting of the same. All completed as per direction of Engineer-in-charge.	Sqm.	28
11.	12mm cement plaster of mix:		
	1:4 (1 cement: 4 fine sand).	Sqm.	35
12.	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meters lead.	Sqm.	05
13.	Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting,	Cum	05

	unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved.		
14.	Providing & fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings this includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-charge.		
	40 mm nominal outer dia Pipes.	Meter	20
	50 mm normal outer dia Pipes.	Meter	25
15.	Providing and fixing GI Pipes complete with GI fittings including trenching and refilling etc.		
	32mm dia nominal bore	Metre	10
16.	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete.		
	25 to 40 mm nominal bore	Each	01
17.	Providing & fixing Gun Metal Gate Valve with CI wheel of approved quality (screwed end).		
	40 mm nominal bore	Each	01
18.	Constructing masonry chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement: 4 coarse sand) for stop cock, with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1cement : 5 fine sand: 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1cement: 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design.		
	With common burnt clay F.P.S. (non-modular) brick of class designation 7.5.	Each	01
19.	Providing & fixing GI Union in GI Pipe including cutting and threading the pipe and making long screws etc. complete (new work).		
	32mm nominal bore	Each	02
20.	Cutting holes up to 30x30 cm in walls including making good the same.		
	With common burnt clay F.P.S (non-modular) brick.	Each	03
21.	Cutting holes up to 15x15cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement	Each	01

	concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), including finishing complete so as to make it leak proof.		
22.	Making chases up to 7.5x7.5 cm in wall including making good and finishing with matching surface after housing GI pipe etc.	Metre	02
23.	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement: 3 coarse sand 6 graded stone aggregate 20mm nominal size) including disposal of malba.	Metre	01
24.	Making connection of drain of sewer ling with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.		
	For pipes 100 to 250 mm diameter	Each	01
25.	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc. by applying cement slurry mixed with water proofing cement compound consisting of applying: a) First layer of slurry of cement @ 0.488kg/ sqm. Mixed with water proofing cement compound @ 0.253kg/ sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/ sqm. Mixed with water proofing cement compound @ 0.126 kg/ sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm.	28
<b>B-</b>	<b><u>Electrical Works:</u></b>		
26.	Submersible LED Light 18 watt RGB or worm white to highlight the fountain at night. Make: CWF or F.E.).	Nos.	25
27.	Modular controller for 18 watt LED Light (Make CWF or F. E.).	No.	01
28.	Complete electrical work required for the fountain including pump light, panel, and Transformer connections (Make of wire: Polycab, Havells).	Job work	L-S
29.	Submersible Pump 3 HP, 3 Phase (Make: CG or Kirloskar)	No.	01
30.	Outer control panel for pump made of 16 guage CRC sheet powder coated with starter, MCB Volts-Meter, Amp Meter, DP MCB's protection circuits etc.	No.	01
31.	½" Crown Jet adjustable nozzle for function rang brass with shine chrome (Make: CWF or F.E).	Nos.	100
32.	1½" Vertical/ Foam/ Geyser Jet adjustable nozzle brass with shine chrome (Make: CWF or F. E.).	No.	01

33.	2" Stainless Steel Pipe ring for a crown effect size: 4.6 mtrs, dia Lump-Sump.	No.	01
34.	Providing & fixing fountain fittings for Jet nozzles and motor complete work.	Job work	01
35.	Providing and laying of 30 Meter approx. 4 core 16sqmm armoured copper cable from existing Hostel electrical room to fountain panel by digging earth and cutting of RCC/ kota stone path and neat finish after laying of cable complete in all respect.	Job work	Lump sum

*Stamp of bidder with signature of authorized signatory,*



SUMP FOR PUMP  
750X900X900(D)  
32mm INLET PIPE  
(CLIENT SCOPE)  
SUMP FOR PUMP  
750X900X900(D)

32mm OVERFLOW PIPE  
(CLIENT SCOPE)  
40mm PVC DRAIN PIPE TO DRAIN  
(CLIENT SCOPE)

PLAN.

Brick wall  
Crown Ring

LEGENDS			
S.NO.	DESCRIPTION	SYMBOL	QTY.
A	CWF-3X6 RGB/WARM WHITE LED LIGHT	☼	25-NOS.
B	CROWN NOZZLE	⊙	65-NOS.
C	SHOOTER JET NOZZLE	⊙	01-NO.
D	GI RING Ø4600mm		01-NO.
E	SUB. PUMP 5HP	⊙	01-NO.

NOTE:-ALL DIMENSION ARE IN MM



*National Institute of Biologicals (NIB)*



NATIONAL INSTITUTE OF BIOLOGICALS

**Plot No.A-32, Sector-62(Institutional Area), NOIDA-201 307(U.P)**

Tel: 0120-2400022, 2400072, Fax: 0120-2400074, 2403014

E-mail: [info@nib.gov.in](mailto:info@nib.gov.in) Website: [www.nib.gov.in](http://www.nib.gov.in)

---

### **PRICE-BID**

Tender No. 04/NIB/2017-18/Engg. (C/E).

**Name of work:** Tender for “Designing, Supply & installation of Crown Jet Fountain System” - at NIB Campus Noida.

Srl. No.	Description of Item	Unit	Qty.	Rate (in figure & words) (Rs.)	Amount (in figure & words) (Rs.)
A.	<b>Civil Works:</b>				
1.	Earth work in excavation by mechanical means (Hydraulic excavator/ manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 Sqm. On plan) including getting out and disposal of excavated earth lead up to 50m and lift up to 1.5m, as directed by Engineer-in-charge. All kind of soil.	Cum	15		
2.	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.5m, including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20 cm in depth, including consolidating				

*National Institute of Biologicals (NIB)*

	each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50m, all kind of soil.				
	Pipes, Cables etc. not exceeding 80mm dia	metre	45		
3.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level.				
	1:2:4 (1 cement: 2 coarse sand (zone-III): 4 graded stone) aggregate 20mm nominal size.	Cum	04		
4.	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:4 (1 cement :4 coarse sand)	Cum	04		
5.	Half brick masonry with common burnt clay F.P.F. (non-modular) bricks of class designation 7.5 in foundations and plinth in.				
	Cement mortar 1:3 (1 cement: 3 coarse sand).	Sqm.	3.60		
6.	Wall lining butch work upto 10m height with Dholpur stone 40mm thick rough facing on the exposed surface with stone strips of minimum length 300 mm and required width, including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75mm and by providing layer of 75mm thick strips i/c 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) i/c ruled pointing in cement mortar 1:3 (1 white cement: 2 stone dust) with an admixture of pigment to match the shade of stone complete as per direction of Engineer-in-charge.	Sqm.	08		



7.	Providing and fixing 18mm thick gang saw cut, mirror polished, premoulded and pre-polished, machine cut for kitchen plateforms, vanity counters, window sills, facias and similar locations of required size approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing. Curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	Granite of any colour and shade.				
	Area of slab up to 0.50 sqm.	Sqm.	08		
8.	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge.				
	Granite work.	Metre	32		
9.	Kota stone slab flooring over 20mm (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	Sqm.	05		
10.	Providing & fixing Glass mosaic tiles on finished plain wall surface of size 20mm x 20mm x 4mm in all colour, design, fixing in approved design, The glass mosaic tiles shall be fixed on the wall surface with the help of approved adhesive applied	Sqm.	28		

	at the rate of 2.5 kg per Sqm. And grouting of the same. All completed as per direction of Engineer-in-charge.				
11.	12mm cement plaster of mix:				
	1:4 (1 cement: 4 fine sand)	Sqm.	35		
12.	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meters lead.	Sqm.	05		
13.	Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50m initial lead, for all leads including all lifts involved.	Cum	05		
14.	Providing & fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings this includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer-in-charge.				
	40 mm nominal outer dia Pipes.	Meter	20		
	50 mm normal outer dia Pipes.	Meter	25		
15.	Providing and fixing GI Pipes complete with GI fittings including trenching and refilling etc.				
	32mm dia nominal bore	Metre	10		

16.	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete.				
	25 to 40 mm nominal bore	each	01		
17.	Providing & fixing Gun Metal Gate Valve with CI wheel of approved quality (screwed end).				
	40 mm nominal bore	each	01		
18.	Constructing masonry chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement: 4 coarse sand) for stop cock, with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1cement : 5 fine sand: 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1cement: 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design.				
	With common burnt clay F.P.S. (non-modular) brick of class designation 7.5.	each	01		
19.	Providing & fixing GI Union in GI Pipe including cutting and threading the pipe and making long screws etc. complete (new work).				
	32mm nominal bore	Each	02		
20.	Cutting holes up to 30x30 cm in walls including making good the same.				
	With common burnt clay F.P.S (non-modular) brick.	each	03		

21.	Cutting holes up to 15x15cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), including finishing complete so as to make it leak proof.	each	01		
22.	Making chases up to 7.5x7.5 cm in wall including making good and finishing with matching surface after housing GI pipe etc.	metre	02		
23.	Making hole up to 20x20 cm and embedding pipes up to 150 mm diameter in masonry and filling with cement concrete 1:3:6 (1 cement: 3 coarse sand 6 graded stone aggregate 20mm nominal size) including disposal of malba.	metre	01		
24.	Making connection of drain of sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement: 3 coarse sand), finished with a floating coat of neat cement and making necessary channels for the drain etc. complete.				
	For pipes 100 to 250 mm diameter	each	01		
25.	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc. by applying cement slurry mixed with water proofing cement compound consisting of applying: c) First layer of slurry of cement @ 0.488kg/ sqm. Mixed with water proofing cement compound @ 0.253kg/ sqm. This layer will be allowed to air cure for 4 hours. d) Second layer of slurry of cement @ 0.242 kg/ sqm. Mixed with water proofing cement compound @ 0.126 kg/	Sqm.	28		

	sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints corners, junctions of pipes and masonry with polymer mixed slurry.				
	<b>Total (A)</b>				
<b>B-</b>	<b>Electrical Works:</b>				
26.	Submersible LED Light 18 watt RGB or worm white to highlight the fountain at night. Make: CWF or F.E.).	Nos.	25		
27.	Modular controller for 18 watt LED Light (Make CWF or F. E.).	No.	01		
28.	Complete electrical work required for the fountain including pump light, panel, and Transformer connections (Make of wire: Polycab, Havells).	Job work	L-S		
29.	Submersible Pump 3HP, 3 Phase (Make: CG or Kirloskar)	No.	01		
30.	Outer control panel for pump made of 16 guage CRC sheet powder coated with starter, MCB Volts-Meter, Amp Meter, DP MCB's protection circuits etc.	No.	01		
31.	½" Crown Jet adjustable nozzle for function rang brass with shine chrome (Make: CWF or F.E).	Nos.	100		
32.	1½" Vertical/ Foam/ Geyser Jet adjustable nozzle brass with shine chrome (Make: CWF or F. E.).	No.	01		
33.	2" Stainless Steel Pipe ring for a crown effect size: 4.6 mtrs, dia Lump-Sump.	No.	01		
34.	Providing & fixing fountain fittings for Jet nozzles and motor complete work.	Job work	01		

35.	Providing and laying of 30 Meter approx. 4 core 16sqmm armoured copper cable from existing Hostel electrical room to fountain panel by digging earth and cutting of RCC/ kota stone path and neat finish after laying of cable complete in all respect.	Job work	Lump sum		
	<b>Total (B)</b>				
	<b>Total (A Civil Works + B Electrical Works)</b>				
	<b>Good &amp; Service Tax (GST) as applicable</b>				
	<b>Grand Total</b>				

**Amount (in words):** .....

.....

- i) *Validity of Bid shall be 90 days from the last date of submission of the bid.*
- ii) *Percentage & amount of GST may be specifically mentioned, otherwise the same will be treated as inclusive.*

*Stamp of bidder with signature of authorized signatory,*