INDEX PAGE

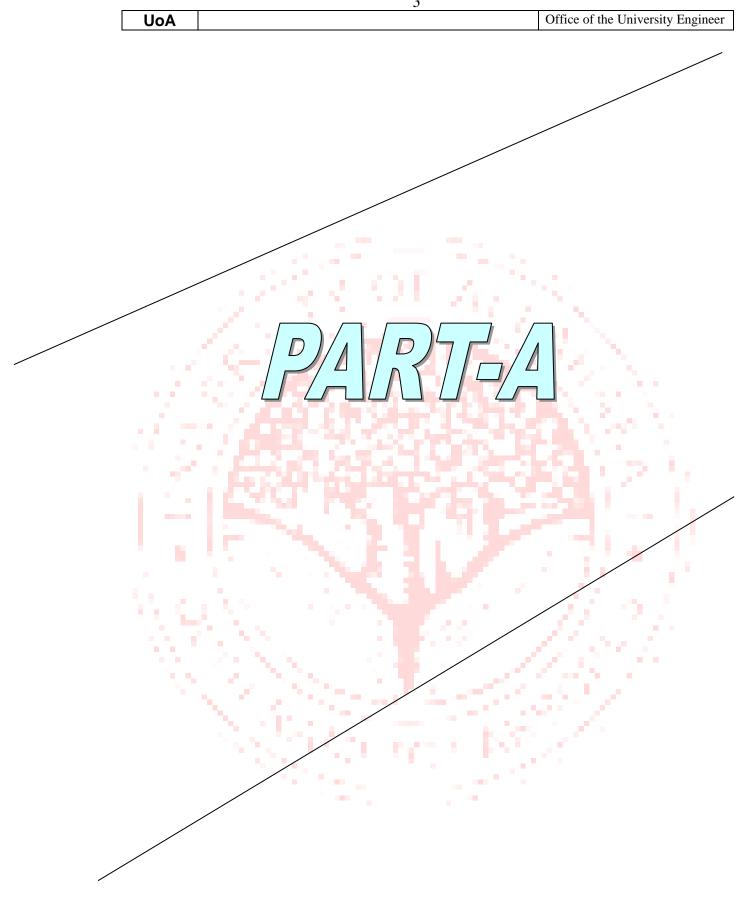
Name of Work:	Repair & renovation of Ground Floor & 1 st Floor Gent's toilet, Ground fl toilet & store, Lecture room No. 4 and modular wiring & allied wor Shabhagar, Shyama Prasad Mukherjee Degree College, UoA, Prayagraj.	
SI. No.	Description	Page
	Index	1
1	Notice for Inviting Tender	2
	PART-A	3-14
2	Technical cum prequalification	4
	Information and instructions for contractors for e-tendering	
4	Receipt of deposition of original EMD	5
5	e-Tending	6-9
6	Item Rate Tender & Contract for Works	10-11
7	Proforma of Schedules	12
8	General requirement for the tender	13-14
	PART-B	15-17
9	Material and Quality Assurance	16
10	Additional conditions for Cement	18
11	General Terms & Conditions	19-24
12	Special Terms & Conditions	25
13	Technical Specifications	26
14	List of Preferred Makes for Civil works	27
15	Proforma of Schedules	28
16	List of mandatory machinery, tools and plants and testing equipment to be deployed by the contractor at site	29
17	Additional Specification for Electrical Works	3 <mark>0</mark> -32
18	Acceptable Makes for Electrical Works	33
	PART –C (FINANCIAL BID)	
19	Schedule of Quantity for Civil works & Electrical Works	34-40

NOTICE FOR INVITING TENDER

The Principal, Shyama Prasad Mukherjee Degree College, UoA, Phaphamau, Allahabad invites online item rate bids from approved and eligible contractors registered with CPWD, MES, BSNL, BRO, Indian Railway, UP-PWD for the following work(s):-

oN S	NIT NO.	Name of work and location	Estimated cost put to bid	ы Earnest Money	 Period of Completion 	Date of Publishing	 Last date & time of submission of bid, EMD, e- tender processing fee and other Document as specified in the bid document 	م Time & date of opening of tender
			4	5	6	/	8	
1	01/SPM(CE)/SPM/2023-24	Repair & renovation of Ground Floor & 1st Floor Gent' s toilet, Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee,Phaphamau, Prayagraj.	₹23,35,638/-	Rs. 46,713/-	90 Days	14.12.2023	Up to 03:00 PM on 04/01/2024	At 03:30 PM on 05/01/2024

Principal Shyama Prasad Mukherjee Degree College Phaphamau, Prayagraj



TECHNICAL CUM PREQUALIFICATION

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

- 1. The intending bidder must read the terms and conditions carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- 2. Information and Instructions for bidders posted on website shall form part of bid document.
 - 3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.eprocure.gov.in&www.spmau.ac.in
- 4. But the bid can only be submitted after depositing of original EMD in Office of the Principal, SPM Degree College, Phaphamau, Prayagraj, within the period of bid submission and uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favor of the Principal, SPM Degree College, Phaphamau, Prayagraj as mentioned in NIT, receipt for deposition of original EMD to office of the SPM Degree College, Phaphamau, and other documents as specified.
- 5. Those contractors not registered on the website mentioned above, are required to get registered beforehand.
- 6. The intending bidder must have valid class-III digital signature to submit the bid.
- 7. Contractor can upload documents in the form of **JPG** format and **PDF** format.
- 8. Contractor must ensure to quote rate of each item.

List of Documents to be scanned and uploaded within the period of bid submission:

- I. Treasury Challan/Demand Draft/Pay order or Banker's Cheque /Deposit at Call Receipt/FDR/Bank Guarantee of any Scheduled Bank against EMD.
- II. Enlistment Order of the Contractor in appropriate class of composite category.
- III. Certificate of Registration for Sales Tax /Service Tax/ VAT/GSTN.
- IV. Copy of receipt of deposition of original EMD issued from Office of the Principal, SPM Degree College, Phaphamau, Prayagraj.
- V. Certified Copy(Certification authority not less than Executive Engineer) of Work executed of similar nature during the last seven years:
 (1) One similar works, each of value not less than Rs.18, 68,510/(2)Two similar works, each of value not less than Rs. 14, 01,383/(3)Three similar works, each of value not less than Rs.9, 34,255/-
- VI. Certificate of approved and eligible electrical and civil contractors registered With CPWD, MES, BSNL, BRO, Indian Railway, UP-PWD.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No.) / date)

- 1. Name of Work: Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee Degree College, UoA, Phaphamau, Prayagraj.
- 2. NIT No. : 01/SPM(CE)/SPM/2023-24.
- 3. Estimated Cost : 23,35,638/-
- 4. Amount of Earnest Money Deposit : 46,713/-
- 5. Last date of submission of Bid: date......UPTO 3:00 P.M.
- 6. Name of Contractor: #
- 7. Form of EMD #
- 8. Amount of Earnest Money Deposit #
- 9. Date of submission of EMD #

Signature, Name and Designation of EMD Receiving person along with office stamp

E-Tendering

- 1. Item rate bids are invited on behalf of Shyama Prasad Mukherjee Degree College, Phaphamau, Prayagraj, Allahabad from approved and eligible contractors of composite category of CPWD Certificate of approved and eligible contractors registered with CPWD, MES, BSNL, BRO, Indian Railway, UP-PWD for the work of "Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee, Phaphamau, Prayagraj."The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
- 1.1 The work is estimated to cost **Rs.23**, **35,638/-**. This estimate, however, is given merely as a rough guide.
- 2. Agreement shall be drawn with the successful bidders on prescribed Form. 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 90 days from the 15th day of issue of LOA or first date of handing over of the site, whichever is earlier, in accordance with the phasing, if any, indicated in the bid documents.
- 4. (i) The site for the work is available.
- 5 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen on website www.eprocure.gov.in&www.spmau.ac.in
- 6. After submission of the bid the contractor can re-submit revised bid any number 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 item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
- 8. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Principal, Shyama Prasad Mukherjee Degree College, Allahabad)shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited in the office of Principal, SPM Degree College, Phaphamau, Prayagraj within the period of bid submission. The Office of the Principal, SPM Degree College, Phaphamau, Prayagraj shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by the tender inviting authority.

This receipt shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the bid document shall be scanned and uploaded to the e-Tendering website within the period of bid submission. Further, certified copy of all the scanned and uploaded documents as specified in bid document shall have to be submitted by the lowest bidder only within a week physically in the office of Principal, SPM Degree College, Phaphamau, Prayagraj.

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Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with Office of the Principal, SPM Degree College, Phaphamau, Prayagraj Allahabad and other documents scanned and uploaded are found in order.

- 9. The bid submitted shall become invalid if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not deposit original EMD with Office of the University Engineer, Allahabad University.
 - (iii) The bidder does not upload all the documents (including VAT registration/Sales Tax registration/GSTN) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the bidder** in the office of bid opening authority.
 - (v) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- 10. The contractor whose bid is accepted will be required to furnish **performance guarantee of 10% (Ten Percent)** of the bid amount within the period of 15th days from the date issue of LOA. This guarantee shall be in the form of Fixed Deposit Receipts drawn in favor of Principal, SPM Degree College, Phaphamau, Prayagraj, University of Allahabad. In case the contractor fails to deposit the said performance guarantee within the period including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board **Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work** and Programme Chart (Time and Progress) within the period as prescribed below.

i) Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, or proof of applying thereof from the date of issue of letter of acceptance	15 Days
ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period as provided in (i) above	7 Days

11. Description of the work is as follows: Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee, Phaphamau, Prayagraj", 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 own 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 bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the local conditions and other factors having a bearing on the execution of the work.

- 12. The Principal, SPM Degree College, Phaphamau, UoA Prayagraj does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
- 13. Canvassing whether directly or indirectly, in connection with bidders is strictly
 - prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
- 14. The Principal, SPM Degree College, Phaphamau, UoA, Prayagraj reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- 15. The contractor shall not be permitted to bid for works in the University if his near relative is posted as an employee in any capacity in the university. He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any faculty/officer/staff in Allahabad University. Any breach of this condition by the contractor the university will recommend CPWD/MES/Indian Railways, BSNL, UPPWD and OEM to remove the firm from the approved list of contractors of CPWD/MES/Indian Railways, BSNL, UPPWD.
- 16. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
- 17. The bid for the works shall remain open for acceptance for a period of 30 days. If any bidders withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the 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 rebidding process of the work.
- 18. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting

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Office of the	University	Engineer
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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.
- 19.

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- 19.1.1 The bidders must associate himself, with agencies of the appropriate class eligible to bid for each of the minor component individually.
- 19.1.2 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.
- 19.1.3 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 19.1.4 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 19.1.5 The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to the Principal, SPM Degree College, Phaphamau, Prayagraj within prescribed time. Name of the agency(s) to be associated shall be approved by the Principal, SPM Degree College, Phaphamau, Prayagraj or person authorized by him for minor component(s).
- 19<mark>.</mark>1.6

In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of the University Engineer. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case the Principal, SPM Degree College, Phaphamau, Prayagraj is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

- 19.1.7 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to the Principal, SPM Degree College, Phaphamau, Prayagraj. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 19.1.8 Running payment for the composite work will be made to the main contractor.
- 19.1.9A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by the Principal, SPM Degree College, Phaphamau, Prayagraj after record of completion certificate of all other components.
- 19.1.9B. Final bill of whole work shall be finalized and recommendation for payment will be made by the University Engineer, A.E./J.E.(C/El) in charge of minor component(s) will prepare and forward the bill to the University Engineer for further action.
- 19.1.9C. In case of any dispute arising out of any content the decision of the Vice Chancellor, UoA will be final & binding upon both the parties.
- *19.1.9D.* All disputes are subject to Jurisdiction of Allahabad.

9

ITEM RATE TENDER & CONTRACT FOR WORKS

- (A) Tender for the work of: Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Ground floor ladies toilet & store, Lecture No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee Degree College, UoA, Phaphamau, Prayagraj.
- To be opened in presence of tenderers who may be present at 03:30 PM hours on date 05/01/2024 in the office of University Engineer or other suitable place, University of Allahabad, Allahabad.

TENDER

I/We have read and examined the notice inviting tender, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Quantity& 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 University of Allahabad within the time specified in the tender document viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for 30 days and not to make any modification in its terms and conditions.

A sum of **Rs.**is here by forwarded in Treasury Challan or Demand Draft or Pay order or Banker's Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of Principal, SPM Degree College, University of Allahabad, Allahabad) issued by a scheduled bank as earnest money a sum of Rs. as in the form of Demand Draft drawn in favor of Principal, SPM Degree College, UoA, Phaphamau, Prayagraj.

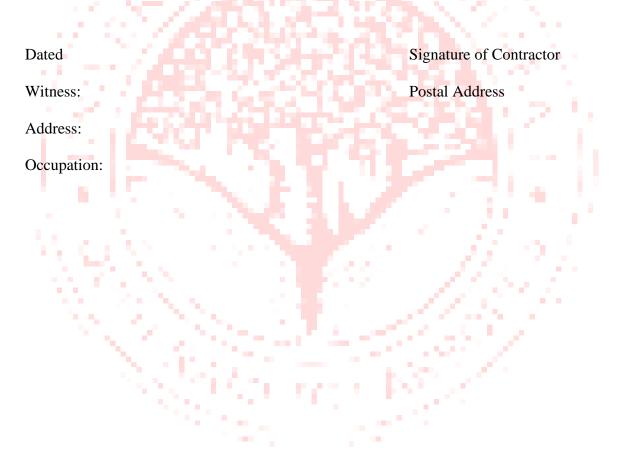
A copy of earnest money in receipt treasury challan/deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/bank guarantee issued by a scheduled bank in form of DD/Deposit Receipt is scanned and uploaded (**strike out as the case may be**). If I/We fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said the Vice Chancellor, University of Allahabad or his 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 work as specified, I/We agree that the Registrar, University of Allahabad or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained.

	11	
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Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as afore said, I/We shall be debarred for participation in the re-tendering process of the work.

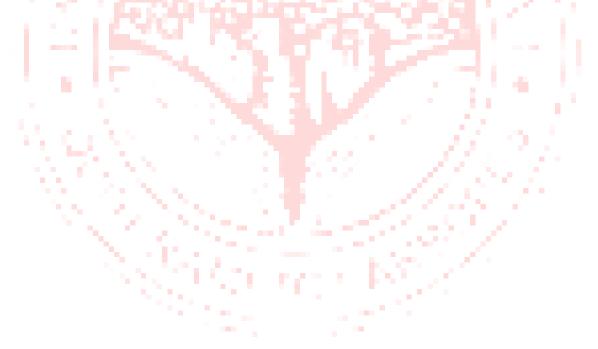
I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in University of Allahabad in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Principal, SPM Degree College, Phaphamau, Prayagraj shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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 there from 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. I/We have filled and signed the tender documents on each page and the same are enclosed herewith.



PROFORMA OF SCHEDULES

Name of Work:- Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee degree College,UoA, Phaphamau, Prayagraj.					
Estimated cost of the work:	Rs. 23 ,35,3638-				
Earnest money	Rs. 46,713/-				
1000	(To be returned after receiving performance guarantee)				
Performance Guarantee	10% of the tendered value of the work				
Security Deposit	10% of the tendered value of the work which will be deducted from the final bill and will be released after defect liability period of 12 months. Once the security deposit is deducted the performance guarantee will be returned to the Contractor.				



8

GENERAL REQUIREMENTS FOR THE TENDER

Repair & renovation of Ground Floor & 1st Floor Gent's toilet, Name of Work: Ground floor ladies toilet & store, Lecture room No. 4 and modular wiring & allied works etc. at Shabhagar, Shyama Prasad Mukherjee Degree College, Phaphamau, Prayagraj.

- 1 The tenderer is advised to read and examine the tender documents for the work and the set of drawings available with the University Engineer. He should inspect and examine the site and its surroundings by himself before submitting his tender.
- 2 Separate schedule of quantity is included in this tender for civil and electrical items of work. If the tenderer wants to offer any unconditional rebates on their rates, the same should also be offered in the respective components of civil and electrical schedule separately. The contractor shall quote the item rates in figures and words accurately so that there is no discrepancy in rates written in figures and words.
- Time allowed for the execution of work is **90** days. 3
- 4 The contractor(s) shall submit a detailed program of execution in accordance with the master programme/milestone within ten days from the date of issue of award letter.
- Contractor has to arrange and install required quantity of tools, plants, 5 scaffolding during the currency of work and nothing extra will be paid on this account.
- 6 Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of CPWD/PWD specifications and guidelines given in the relevant paras.
- 7 The contractor (s) shall make his own arrangements for electricity and water required for the execution of work.
 - Only those specialized agencies/firms who have satisfactorily executed works as per following criteria during last 3 years are eligible for the specialized works-

Or

- (a) Three similar works each costing not less than 40% of estimated cost for concerned sub λ. . A head. -62 а. Or
- (b) Two similar works each costing not less than 60% of estimated cost for concerned sub head.
- (c) One similar work costing not less than 80% of estimated cost for concerned sub head.

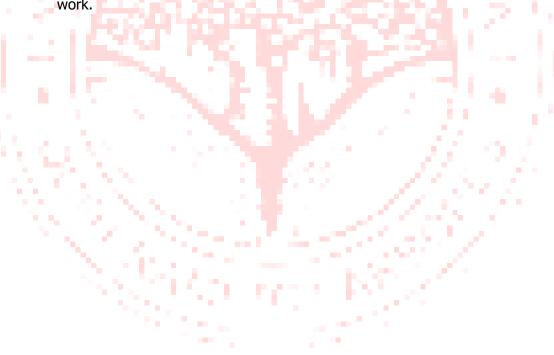
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Approval of the specialized agencies for each specialized work shall be obtained from the University Engineer within one month of award of work. Even if, such specialized items of work shall be executed by the specialized agencies, the work shall be deemed to be executed by the tenderer for all purposes and the responsibility of the quality of items of works executed etc. shall continue to be that of the tenderer only.

- 9 Contractor has to deploy required Plant and machinery on the project. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the University Engineer, he (University Engineer) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
- 10 The contractor shall submit the running bills in the shape of the computerized MB in pages of A-4 size as per the standard format of University of Allahabad.
 - The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time.
- 12 The contractor will submit the photograph of the work site before starting the work, photographs of execution of work and photographs of completed work.



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- 1. The contractor shall ensure quality control measures on different aspects of electrical works including materials, workmanship and correct work methodologies to be adopted. He shall have to submit quality assurance programme within two weeks of the award of work. The quality assurance programme should include method statement for various items of work to be executed along with check lists to enforce quality control.
- 2. The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the SPM Degree College, Phaphamau. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the SPM Degree College, Phaphamau for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the SPM Degree College, Phaphamau along with samples and once approved, he shall stick to it.

3. **Sampling of Materials:**

- 3.1 Sample of building materials fittings and other articles required for execution of work shall be got approved from the SPM Degree College, Phaphamau. Articles manufactured by companies of repute and approved by the University Engineer shall only be used. Articles bearing BIS certification mark shall be used in case the above are not available, the quality of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the SPM Degree College, Phaphamau, which shall be preserved till the completion of the work.
- 3.2 The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material/work beyond set out tolerance limit shall be summarily rejected by the SPM Degree College, Phaphamau.
- 3.3 BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the SPM Degree College, Phaphamau besides testing of other materials as per the specifications described for the item/materials. Wherever BIS marked materials are brought to the site of work, the contractor shall if required, by the SPM Degree College, Phaphamau furnish manufacturers test certificate to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and/or the work done.
- *3.4* The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
- *3.5* All materials brought by the contractor for use in the work shall be got checked from the SPM Degree College, Phaphamau or his authorized representative of the work on receipt of the same at site before use.
- *3.6* The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in double lock and key system.

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- *3.7* The Stone aggregate/stone, sand shall be brought from any quarries subjected to the said materials confirm CPWD/PWD specifications.
- 4 The day to day receipt and issue accounts of different grade/brand of cement shall be maintained separately in the standard proforma by the Junior Engineer of work and which shall be duly signed by the contractor or his authorized representative.
- 5 The contractor shall render all help and assistance in documenting the total sequence of this project by way of photography, slides, audio-video recording etc. Nothing extra shall be payable to the contractor on this account.
- 6 The contractor shall be fully responsible for the safe custody of materials brought by him issued to him even though the materials are under double lock key system.
- 7 Separate cement registers showing the receipt of the OPC and PPC shall be maintained at site. The contractor shall construct separate godowns for storage of OPC & PPC at site and nothing extra on this account shall be payable.



ADDITIONAL CONDITIONS FOR CEMENT

1. The contractor shall procure Portland Pozzolana Cement conforming to IS: 1489 (Part-I) as required in the work, from reputed manufacturers of cement, such as A.C.C., Ultratech, Vikram, Shri cement, Ambuja, Jaypee Cement, Century Cement, J.K. Cement, etc. 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.

Supply of cement shall be made in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the SPM Degree College, Phaphamau and got tested in accordance with provisions of the relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not confirm to the relevant BIS code the same shall stand rejected and shall be removed from the site by the

- the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the SPM Degree College, Phaphamau to do so.
- 2. The cement brought to site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the SPM Degree College, Phaphamau.
- 3. The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the SPM Degree College, Phaphamau. If he does not do show within three days of receipt of such notice, the SPM Degree College, Phaphamau shall get it removed at the cost of the contractor.

GENERAL TERMS AND CONDITIONS

- 1 The order of preference in case of any discrepancy as indicated in condition may be read as the following:
 - i) Nomenclature of items as per schedule of quantities.
 - ii) Particular specification and special condition, if any.
 - iii) CPWD/PWD specifications.
 - iv) Architectural Drawings
 - v) Indian standard specifications of B.I.S.
 - vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

- Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the "CPWD specifications 2009 Vol. 1 and Vol. 2 (with upto date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Principal, SPM Degree College, Phaphamau, Prayagraj. Wherever CPWD specifications are silent the latest IS codes/specification/PWD specification shall be followed.
- 3 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.
- 4 The proposed building is a prestigious project and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work.
- 5 a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department

	20	
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b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials and conveyance of materials required for construction.

6 The contractor (s) shall study the soil investigation report for the site if available in the office of the Principal, SPM Degree College, Phaphamau, Prayagraj and satisfy himself about complete characteristics of soil and other parameters of site. However, no claim on the alleged inadequacy or incorrectness of the soil data shall be entertained.

7 The tenderer shall see the approaches to the site. In case any approach from main road is required by the contractor, the same shall be made good, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

8 The contractor (s) shall give to the Municipality, Police and other authorities all necessary notices etc. that may be required by law and obtain all requisite Licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain light and other illumination on for cautioning the public at night.

9 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.

- Contractor shall provide permanent bench marks and other reference points for the proper execution of work and these shall be preserved till the end of work.
 All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings
- 11 The contractor shall make his own arrangement for obtaining electric connection(s) if required and make necessary payments directly to the department concerned.
- 12 Other agencies doing works related with this project may also simultaneously execute their works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work, pipes cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for the other agencies. Nothing extra over the Agreement rates shall be paid for doing these.
- 13 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
- 14 The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and adhere by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.

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15	with unde Prin	e building work shall be carried out in the manner complying in all r h the requirements of the relevant bylaws and regulations of the lo der the jurisdiction of which the work is to be executed or as directen ncipal, SPM Degree College, Phaphamau, Prayagraj and nothing ex paid on this account.	cal body ed by the
16	stan arra	e contractor shall give a performance test of the entire installation(s nding specifications before the work is finally accepted by making h angements for water supply, electricity etc. and nothing extra what all be payable for the same.	is own
17 18	site a pla acco It sh	as per local Municipal regulations, huts for labour are not to be erect of work; the contractor shall be required to provide such accommo lace as is acceptable to the local body and nothing extra shall be pa count. Shall be ensured by the contractor that no electric live wire is left ex attended to avoid any accidents in this regard.	odation at aid on this
19	befo give drav	e structural and architectural drawings shall at all times be properly fore executing any work. However, in case of any discrepancy in the en in the schedule of quantities appended with the tender and Arch wings relating to the relevant item, the former shall prevail unless en in writing by the Principal, SPM Degree College, Phaphamau, Pr	e item itectural otherwise
20	com	e contractor shall maintain in perfect condition, all portions execute npletion of the entire work allotted to him. Where however phased rk is contemplated these provisions shall apply separately to each p	delivery of
21	on a the	e entire royalty at the prevalent rates shall have to be paid by the c all the boulders, metals, shingle sand etc. collected by him for exec work, directly to the Revenue authority or authorized agents of the vernment concerned or the Central Government, as the case may b	ution of State
22	simi prot cont	isting drains, pipes, cables, over-head wires, sewer lines, water line nilar services encountered in the course of the execution of work sho tected against the damage by the contractor at his own expense. T ntractor shall not store materials or otherwise occupy any part of the nner likely to hinder the operation of such services.	all be he
23	build fittir perio	the contractor shall be responsible for the watch and ward/guard of the ldings, safety of all fittings and fixtures including sanitary and water ings and fixtures provided by him against pilferage and breakage duried of installations and thereafter till the building is physically hand a department. No extra payment shall be made on this account.	r supply uring the
24		e contractor shall bear all incidental charges for cartage, storage an storage of materials issued by department.	nd safe
25	bett	y cement slurry added over base surface for continuation of concret ter bond is deemed to have been built in the items and nothing ext vable for extra cement considered in consumption on this account	

payable for extra cement considered in consumption on this account.

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26 The contractor shall take instructions from the University Engineer for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed. Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time. 27

i) Other agencies will also simultaneously execute and install the works of electrification, air conditioning, lifts, fire-fighting etc. for this work and the contractor shall provide necessary facilities for the same. The contractor shall leave such recesses, holes openings etc. as may be required for the electric, airconditioning and other related works (for which inserts, sleeves, brackets, conduits base pinion, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work & brick work, if required and nothing extra shall be payable on this account.

ii) The contractor shall conduct work so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Principal, SPM Degree College, Phaphamau, Prayagraj and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

All Architectural drawings given in the tender other than those indicated in iii) 🗖 nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings (if any) duly approved by the Principal, SPM Degree College, Phaphamau, Prayagraj.

28 Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Principal, SPM Degree College, Phaphamau, Prayagraj, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved

material brought by the contractor shall be immediately removed as soon as directed.

Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/bailing out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.

- Condition regarding secured advance: No advance will be made. 29
- In the event of any dispute the decision of the Vice Chancellor, University of 30 Allahabad, Allahabad will be final and binding upon both the parties.
- 31 The court in the City of Allahabad alone shall have jurisdiction related to the work.

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- 32 **Scope of work:** Detailed scope of work, special terms & conditions, makes of materials and specifications etc. are enclosed with this NIT as per Annexure Bidder must read them before filling rates.
- 33 **Deviations :**No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.
- **Site conditions :**Contractor shall acquaint himself fully with the site conditions and the working environment of UoA before quoting his rates. No Compensation on account of any site difficulties will be entertained, at a later date, after award of the work.
- 35 **Liquidated damages:** In case the work is delayed beyond the specified completion period for reasons attributable to the contractor, deductions on account of Liquidated damages @ ½% of the contract value per week will be deducted subject to a maximum of 5% of the contract value. However, during the delayed period, UoA also reserves the right to get some portion of the work done by any other contractor at the risk and cost of the existing contractor and amount to that effect along with 10% overhead charges will be deductible from this bills/dues.
- 36 **Extra or substituted item:** If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which
 - shall be approved by UoA. If required, UoA can make its own analysis based on DSR/PWD-SOR document of CPWD/UP-PWD or based on market rates for determining item rate and pay to contractor accordingly.
 - determining item rate and pay to contractor accordingly.
- 37 **Termination of Contract:** The Principal, SPM Degree College, Phaphamau, Prayagraj, UoA reserve the right to terminate the contract on account of poor workmanship, failure to mobilize site within 15 days, work, violation of any contract provisions, subletting the work, etc. by the contractor. In such case, contractor's EMD and security deposit deducted so far will be forfeited.
- 38 **Escalation:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.
- 39 Completion time: The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within a period of 90 Days from 15 days from the date of issue of LOA or the first date of handing over the site whichever is later. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as per clause 40 of NIT. Under the force majeure conditions or delay due to reasons beyond control of the contractor, UoA may grant suitable time extension without penalty for which the contractor has to request along with the justification/ reasons well in advance to UoA for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The Principal, SPM Degree College, Phaphamau, UoA regarding time extension will be final and binding on the contractor.
- 40 SANITARY INSTALLATIONS, WATER SUPPLY AND DRAINAGE
- 40.1 The work of water supply and sanitary installations shall be got executed by the agency as approved by Principal, SPM Degree College, Phaphamau, Prayagraj.
- (i) The entire plumbing drawing and sanitary installation drawing/ details shall be submitted by the contractor and got approved by the SPM Degree College, Phaphamau before the execution.
- (ii) The entire responsibility for the quality of work will however rest with the building contractor only.

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- 40.2 The work of water supply, internal sanitary installations and drainage etc. shall be carried out as per the bylaws of the Municipal Corporation or any other local body and the contractor shall produce necessary completion certificates from such authority after completion of work.
- 40.3 All water tanks, taps, sanitary, water supply and drainage pipes fittings and accessories etc. shall conform to the bylaws and specifications of the Municipal Body/Corporation where CPWD specifications are not available.
- 40.4 The contractor shall engage licensed plumbers for the work and the materials (fixtures/fittings) tested by the local Municipal Body/Corporation wherever required at his own cost. Nothing extra shall be paid/reimbursed for the same.
- 40.5 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted by making his own arrangements for water supply, electricity etc. and nothing extra whatsoever shall be payable for the same.
- 40.6 The work in general shall be carried out as per CPWD specifications. Rate includes all materials, labour and all the operations mentioned in the respective items unless and otherwise specifically mentioned.
- 40.7 The contractor shall give a satisfactory performance test of the entire installation (s) before the work is finally accepted and nothing extra shall be payable to the contractor on this account.
- 40.8 The contractor shall be responsible for all the protection of sanitary, water supply fittings and fixtures against pilferage and breakage during the period of installation until the completion / handing over of the work.
- 40.9 The contractor shall submit completion plans for water supply internal sanitary installations and building drainage work within thirty days of the date of completion. These plans are to be submitted on drawings prepared preferably through computers (1 original copy + 3 photocopies) on suitable scales to show the general arrangement and desired details.
- WATER PROOFING TREATMENT 41 The contractor shall associate himself with the specialized firm, to be approved by the Principal, SPM Degree College, Phaphamau, Prayagraj in writing, for water proofing treatment for basement/lower ground floor, underground tank and on roofs. Guarantee in the prescribed proforma attached with tender document shall be given by the specialized firm, for a period of 10 years from the date after the maintenance period prescribed in the contract, which shall be counter signed by the contractor as token of overall responsibility. In addition, 10% (ten percent) of the cost of water proofing items shall be retained as guarantee to watch the performance of the work done. However, half of this retained amount will be released after five years, if the performance of the work done is found satisfactory. If however any defect is noticed during the guarantee period, it shall be rectified by the contractor within seven days of intimation. In case it is not attended to, the same will be got done by another agency at the risk and cost of the contractor. This guarantee deposit can however be released in full if a bank guarantee of equivalent amount for 10 years is produced and deposited with the department by the contractor.

SPECIAL TERMS AND CONDITIONS

- 1. Makes of various paints to be used by contractor will be according to the list of approved makes given. No other makes will be used by the contractor.
- 2. Contractor will first submit the shade cards of relevant make of paint to UoA for approval of colour before procuring the paint in bulk.
- 3. No mixing will be allowed with stainer to achieve a particular colour. Contractor will procure direct colour paint of approved shade and apply directly.
- 4. Contractor will thoroughly clean all paint marks left here and there due to spilling and splashes of paint at no extra cost.
- 5. Contractor's job will also include removing of all malba and debris arising in the process of painting including washing of floor to remove stains of paint, at no extra cost.
- 6. No extra measurement factor will be applied for measurement of paint done on sand faced and rough cast plaster. Contractor will be paid on the basis of plain elevational area. Contractor, if he so desires can visit the site and see the actual surfaces of walls before quoting.
- 7. Contractor will arrange proper ladders, scaffolding and jhoolas (for painting at higher levels) at his own cost and will take all safety measures like safety belts, extra labour to hold ladders/Jhoolas etc. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by UoA engineer and in such cases, contractor will be solely responsible for delay and its consequences thereof.
- 8. Contractor shall provide manufacturer's certificate for the material supplied at site and contractor shall bring 75% of theoretical quantity of required painting material before start of work.

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TECHNICAL SPECIFICATIONS

- 1. For external paint, Contractor will thoroughly clean and wash the existing painted wall surfaces before starting paint.
- 2. Minor repairs (like repairing broken edges of walls, filling depressions etc. with POP/wall care putty) will be carried out by contractor before starting painting work, at no extra cost. Same will be accounted for in his quoted rates.
- 3. Detailed technical specification for painting work with respect to materials & workmanship and mode of measurements will be as per IS codes and CPWD specifications, unless mentioned otherwise.
- 4. Thinner if required, may be added (not more than 10 %) in enamel paint with the prior permission of Principal, SPM Degree College, Phaphamau, Prayagraj.
- 5. There should be proper time gaps (at least 4 hours) between two coats of paint to ensure drying of first coat of paint.
- 6. The approved quality, make & shade of paint shall be maintained by the Contractor throughout the work. The covering capacity ratio with respect to
 - quantity of paint should be strictly adhered to by the Contractor as per
 - specification. For any lapse / deficiency in this regard, a suitable deduction shall be made from the contractors bill.
- 7. All painting material to be used should be of Premium/first quality.

S.No.	Material description	Approved Manufacturer / Brand Name
1.	TMT bars – Fe 500D	SAIL, Tata Steel Ltd, RINL, Jindal Steel
		& Power Ltd and Jindal Saw Ltd
2.	Cement (PPC)	A.C.C., Ultratech, Vikram, Shri cement,
		Ambuja, Jaypee Cement, Century Cement
		& J.K. Cement
3.	Ceramic/glazed/Vitrified Tiles	Kajaria, Johnson, Somany, NITCO,
		ORIENT BELL of approved design, color
		and shade.
4.	White Cement	Birla White, J.K. White or equivalent.
5.	Primers, paints (Low VOC) (i/c water	Nerolac, Asian, Burger, ICI
	proofing cement paint) etc.	1997 - N. S.
6.	Putty	Birla, J.K. Putty or equivalent.
7.	Wash Basin and WC PAN	Parryware, Hindware, Johnson, Cera,
		Somany (For Vitreous China).
8.	Clear glass	Modi Guard, Saint Gobain, AIS
9.	G.I. pipes and accessories	Tata, Jindal, Prakash Surya, APL Apollo,
		NVR GI pipe fittings.
10.	Centrifugally Cast Iron Spun Pipes & fittings	ISI marked product, firm having valid
		BIS license.
11.	DI Pipes & fittings	Kesoram, Electrosteel
12.	Brass / CP Brass fittings	Parryware, Jaquar&Hindware,
13.	Aluminium sections (Anodising by approved	Hindalco, Jindal, Indian Aluminium Co.
	anodizing firm)	
14.	Water proofing compound	WEBER, FOSROC, PIDILITE, CICO
15.	Stainless steel sink	Neelkanth, Nirali, Jayna, PRAYAG
16.	Particle board i/c laminated	BHUTAN, ECO BOARD, MERINO
17.	Plastic W.C. seat cover	Parryware, Hindware, Johnson
18.	PVC tanks	Sintex or As approved by University
		Engineer.
19.	Mirrors	Saint Gobain&Modi Guard, HNG
20.	CP waste & flush pipes	As approved by University Engineer.
21.	PVC flushing cistern.	Parryware, Hindware, Johnson.
22.	Tile Fixer / Adhesive	As approved by University Engineer.
23.	Vitreous Floor Tiles	Johnson, Kajaria, SOMANY, NITCO,
	and the second	ORIENT BELL
24	Ready Mix Concrete	Ultratech concrete, ACC Ready Mix,
		Lafarge concrete, RMC India or as
		approved by University Engineer.
25.	Acrylic Exterior Paint	Asian Paint – APEX ULTIMA,
		BURGER-WEATHER COAT, ICI
		DULEX – WEATHER SHIELD MAX

LIST OF PREFERRED MAKES FOR CIVIL WORKS

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PROFORMA OF SCHEDULES



<u>ANNEXURE</u>

List of mandatory machinery, tools and plants & testing Equipment to be deployed by the contractor at site

1.	Electrical wire drawing equipment.	2 Set.
2.	Torque wrench for nut/bolt/screws.	2 Nos.
3.	Conduit die set.	2 Set.
4.	Pipe vice.	1 No.
5.	Bench vice.	1 No.
6.	L.T.Meggar 500/1000 volts.	1 No.
7.	Multimeter.	1 No.
8.	Hydraulically operated & hand operated crimping machine.	1 No.
9.	Earth tester.	1 No.
<i>10</i> .	Portable Ordinary drilling machine.	2 Nos.
<i>11</i> .	Portable Hammer drilling machine.	2 Nos.
<i>12</i> .	Overhead conduit puller.	14 - H. L. V
12		-DCE

ADDITIONAL SPECIFICATION

- 1- The work shall be carried out strictly in accordance with CPWD specifications for Electrical Works 2013 & External Work-1994 and in accordance with Indian Electricity Rules, 1956, Indian Electricity Act, 2003 as amended up to date, PWD specifications and as per instructions of the Engineer-in-Charge including as below and nothing will be paid extra.
- (a) All material shall be got approved from Engineer-in-Charge before use. One sample flat/Bay shall be made for approval of final location of switch boards/ fittings etc. and then only work shall be executed in other flats/bays.
 All damages done to the building during execution of Electrical work shall be the responsibility of the contractor and the same will be made good immediately at his own cost to the satisfaction of the Engineer-in-Charge. Any expenditure incurred by the department in this condition shall be recovered from the contractor and decision of the Engineer-in-Charge about recovery shall be final.
- (b) All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned. All hardware materials such as nuts/bolts/screws/ washers etc. to be used in the work shall be zinc/cadmium plated iron.
- (c) CONDUIT LAYOUT shall be prepared by contractor and got approved before execution of work. In case contractor does not do so before start of work, recovery @ 2(two)% of tendered amount of IEI work shall be made from the bill. Minimum No. of Junctions to be kept, & if required junctions to be kept underneath the fitting locations in corridor/rooms so that junctions are not visible after fittings are fixed/in position. Drop of conduit shall be well planned w.r.t. location of fitting/D.B. and criss crossing to be avoided. All chases in walls shall be cut using electrical chisels/cutters. For this purpose electricity shall be arranged by contractor. In case contractor fails to do chase cutting by electrical chisels/cutters and resorts to manual methods, a recovery of Rs.50/- per point shall be made from contractor's bill.
 - Whenever point wiring items is executed in casing capping system PVC box of PRESTOTEAK or equivalent make shall be provided in place of MS box.
 - In case cable in the lift shaft is also to be fixed, contractor shall have to liaison with CIVIL/Lift agency to make use of the scaffolding provided by them.
- (d) Any conduit which is not to be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.

Copper wire upto 4 sqmm. may be single stranded or multi stranded whereas wires above 4 sqmm. shall be multi-stranded conductor. Termination of multi-stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.

(e) All metal boxes to be applied primer and painted, then only should be installed else recovery @Rs.20/- per point should be made from contractor's bill. Boxes shall have

	51	
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(f)	socket arrangement for tightening screws, instead of simp shall be again painted at the time of wiring. For Submain Wiring, Colour Code for different phases and	
U)	maintained. While circuit wiring, wiring for fan point, wir done with different colours for easy identification. Wiring with black colour and all connections to fans & fittings wh with white PVC insulated copper wire or wherever cover s	ing for light point shall be for neutral shall be done herever visible shall be made
	Switch board, Switch shall be fixed in a logical manner w.	
(g)	Unless specifically approved by the University Engineer as of AE(El)/Er(El)/JE(El), loose wire box, above DB shall not	s per the recommendations
	shall have loose wire box of same make. All connections to MCB's shall be made using thimble/lu	-
	All DB's i/c incoming & outgoing MCB's shall be suitably n location/circuits. DB shall be fixed in recess suitably (30 n unplastered wall) to ease opening of door. Top of DB to m	nm. approx. projected from
	as per site conditions.	
(h)	Phenolic laminated sheet shall be of Egg white colour, and edges and of minimum 3mm thick.	d shall be filed/rounded at
(i)	All fittings and fans should be properly earthed through th	
	Provision of earth bars in main boards, earth terminal blo	
	all metal boxes shall be made, connection to this stud shal	
	A clamp type termination should be made in the terminat	
(1)	provided) to pipe electrodes to provide surface type conta	
(i)	The earthing shall be carried out in the presence of the En authorized representative.	igineer-in-charge or his
(k)	The size at switch box for providing Modular Plate type Sv	witch /Sockets shall be
(^)	properly settled to take care of all necessary switches/scre	
	Blanking plate if required shall also be provided at no exti	
(1)	For point wiring in steel conduit all piano type switches or	
	switches/sockets/telephone outlets/T.V.outlets shall be of	
(m)	Whenever supply items like fans & fittings etc.are also incl	-
	work, such items shall be executed only after completion of items.	of atleast 75% of the wiring
(n)	The contractor shall make his own arrangement at his ow tools and plants required for the work.	vn cost for electrical/ general
2-	The work shall be carried out according to approved draw subsequently issued to the successful tenderer for execution	
	instructions of the Engineer-in-Charge who will have the 1	с
	per requirement at site and the contractor shall not have	any claim due to change in
	layout.	
	The work shall be carried out in engineering like manner. not be accepted and defects shall be rectified at contracto	r's cost of the satisfaction of
	the Engineer-in-Charge. The programme of electrical wor accordance with the building work and no claim for idle la	abour will stipulated in the
	tender, electrical work shall have to be completed alongw	
	All the debris of the electrical works should be removed ar	
	by the contractor immediately after the accruing of debris	
	material should be immediately cleared off from the site b	-
	Watch and ward of the material/equipment shall be the reconstructor till handing over of installation to the departm	
	The contractor or his representative is bound to sign the s	
	required by the Engineer-in-Charge and to comply with th	
3-	The entire installation shall be at the risk and responsibili	
-	these are tested and handed over to the department. How	

these are tested and handed over to the department. However if there is any delay in construction from the department side, the installation may be taken over in parts,

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but the decision on the same shall rest with Engineer-in-Charge which shall be a binding on the contractor.

Some of the items of work, if already executed: on that case the successful tenderer shall have to use these items for completing the work. For wiring, the existing conduit wherever required shall be used by the contractor. The recovery will be made for these items as accepted rate of similar items.

- 4- The secured advance is not allowed.
- 5- Test Certificate Test certificate(if required) for the work carried out shall also be submitted failing which recovery @1% tendered amount (electrical component) shall be made from final bill.
- 6- Panels: Drawing of panel shall be submitted for approval within 30 days from award of work and fabrication to be taken up only after approval of such drawing. Before painting proper surface treatment shall be done and than powder coated. These shall be offered for inspection during fabrication.
- 7- Quantities indicated in Schedule of work are only tentative; contractor shall consult Engineer in-Charge before procurement. Payment shall be made only for the quantities actually executed and measured.
- 8- Time Period: Contractor has to plan his activities, so that electrical work is to be carried out in close co-ordination with CIVIL work and in no case CIVIL work be delayed because of delay in electrical work and the work has to be completed accordingly.
- 9- The makes for items shall be as per list attached.
- 10- **Storage:** Responsibility for storage space for execution of work shall be of main contractor.
- 11- **Power & Water Supply:** Responsibility for supply of power and water for execution of work shall be of main contractor.
- 12- Material to be used in the work shall be ISI marked as applicable. The material in required quantity to be used in the work shall be got approved from the Engineer-in-charge before its use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is not as per specifications.
- 13- Contractor shall preserve the copies of invoices, test certificates; gate passes etc. to prove the genuineness of material/purchases. The responsibility of procurement, genuine material of specialized works shall rest with the contractor.
- 14- Contractor is advised to visit site before quoting rates for determining site conditions. No claim or argument shall be entertained in this regard at later stage.
- 15. <u>No inspection out side the country is permissible if required so the same will be</u> <u>deemed to be waived off and necessary test report shall be submitted along</u> <u>with the equipment.</u>

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(1)	PVC insulated copper wires i/c Control cables, TV/ Telephone Cable	KEI/Universa/R.R.Kable/Finolex/Lapp Kabel/L&T/Havells/ Gloster	
	XLPE insulated PVC sheathed Al. Cable upto 1.1 KV grade.	Polycab/Finolex/L&T/Universal/Rallision/ Nicco/KEI/Grandlay/Gloster/ Havells	
(2)	PVC conduit including its accessories.	Precision/Asian/Diamond/Modi/AKG.	
(3)	MS Conduit & Accessories	BEC/ AKG/NIC/Steel Kraft /M-Kay/JPC	
(4)	MCCB, Timer, SFU, FSU,HRC Fuses, Cable Management System/DLP Trunking.	Siemens/L&T/Schneider/ Legrand/ ABB/C&S/Bhartiya Cutler Hammer/Havells	
(5)	Piano Switches/ Sockets/ T.V./Telephone Outlet	Anchor/Rider/Leader / Havells.	
(6)	Modular type Switches/ Sockets T.V./Telephone Outlet/ Call bell/Buzzer	Legrand/Siemens/L&T/ ABB/Moeler/ M.K./Anchor/ Havells/Philips.	
(7)	Ammeter/Voltmeter	AE/IMP/Rishabh/HPL.	
		(Only Digital type to be used)	
(8)	Selector Switch	Kayee/Siemens/Bhartiya Cutler	
(0)		Hammer/ L.& T.	
(9)	Change over Switch	HPL/H-Elcon. /L.&T./ Siemens/ Havells	
(10)	Indicating Lamps	Teknic/Siemens/L & T./Vaishnov.	
(11)	Panel Board/Feeder Pillar/Meter Board	Tricolite Electric Industries (Pvt.)Ltd./ Advance Panel and Switchgears Pvt.Ltd./ AdlecMundka/ Associated Switch gears Projects Ltd./Prestine/ Neptune/SudhirGensets Ltd./ Advance Power Control System Pvt.Ltd./Control & Switch gears Pvt.Ltd./Sterling Willson/ Milestone/Unilec.	
(12)	Rising Main	L & T/MDS-Legrand/C&S/ Schneider/GE.	
<u>(13</u>)	Energy Meter/ Multifunctional/Intelligent Energy Meter.	Siemens/HPL/L&T/Hensel/AE/RISHABH	
(14)	G.I.Pipe	Jindal Hissar / TATA / SAIL / TT Swastik	
(15)	Fluorescent / CFL/LED/Flood Light/Street Light fitting.	Philips/ Crompton/ Bajaj/ Havells	
(16)	Lamps.	GE/Osram/Philips/Crompton/Bajaj/Wipro/ Havells	
(17)	Angle Holder/Batten Holder	Anchor/ Havells	
(18)	GEYESER	Racold/Bajaj/Crompton/Jaguar/ Havells	
(19)	Internet Cable	D-Link/Avaya/Lucent/Finolex/HCL/ Havells	
(20)	MCB & MCB DB.	L&T/Schneider/Legrand/ ABB/C&S/Hager/Havells.	
(21)	Ceiling Fan/ Exhaust Fan (Only energy efficent Fans, consuming ≤ 50 W and CMM ≥ 200 for 1200 mm & 60 W and CMM ≥ 240 for 1400 mm shall be used).	Crompton/Orient/Khaitan/Bajaj/Usha/Havells/Philip s.	

Acceptable Makes for Internal Electrical Installations

If any item not covered under the above table the same will be decided by Engineer-incharge.

34	
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PART (

PART-C FINANCIAL BID SCHEDULE OF QUANTITY

<u>Name of Work</u>:- (i) Repair and renovation work of G.Floor & 1st floor Gent's toilet, (ii) Repair and renovation work of ladies toilet, G.Floor & store, (iii) Repair and renovation Work of Lecture Hall No.04 and construction of retaining wall, (iv) Repair & Renovation Work of Sabhagar, S/F of modular wiring and allied works etc. for newly constructed Seminar Hall, 1st Floor at Shyama Prasad Mukherjee Govt. Degree College, Phaphamau, Pravagrai.

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SI No.	Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Civil Works				
1.	Demolishing cement concrete manually. Code/2018/15.2.1	Cum	2.30		
2.	12mm cement plaster in 1:4 mortar. Code/2018/13.4.1	Sqm	544.00	<u> </u>	
3.	Brick work in 1:6 mortar (one brick thick wall). Code/2018/6.4.2	Cum	10.45	$\langle g_{i} \rangle$	
4.	12mm thick cement plaster finished with a floating coat of neat cement of mix 1:4. Code/2018/13.7.2	Sqm	32.00	1.5	
5.	Concrete with 4cm gauge brick ballast fine sand 12.6.1.(for toilet floor). PWD/SOR/2020/273	Cum	19.81		1.
6.	Cement concrete work in 1:2:4 Code/2018/4.1.3	Cum	6.88		
7.	Mirror polishing on marble work. Code/2018/8.6	Sqm	105.08	-	
8.	P/F unplasticised PVC Connection pipe. Code/2018/18.74.2	Nos	8.00		
9.	Cutting holes up to 30x30 cm in walls. Code/2018/18.76.1	No.	15.00	$f_{i}^{\prime} \neq 0$	1.1
10.	P/F of white vitreous china flat back lipped front urinal (Range of four urinal set). Code/2018/17.4.4	Set	2.00	1.11	21 - E
11.	P/F a pair of white vitreous china foot rests. Code/2018/17.17.1	pair	8.00	\mathbb{R}^{2}	
12.	P/F 600x450mm beveled edge mirror of superior glass. Code/2018/17.31	Nos.	8.00	1	
13.	P/F Ist quality ceramic glazed wall tiles. Code/2018/8.31	Sqm	196.22		
14.	P/L Ceramic glazed floor tiles of size 300x300 mm (For toilet floor) Code/2018/11.38	Sqm	24.40		
15.	Dismantling of old plaster. Code/2018/15.56	Sqm	156.84		
16.	S/F of Hand wash Basin Complete. Code/2018/17.7.1	Nos	8.00		
17.	P/F carbon steel galvanised dash fastener 10x80mm. Code/ 10.27.2	Nos.	16.00		
18.	Wall painting with plastic emulsion paint on old	Sqm	340.00		

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	work.				
	Code/ 2018/13.98.1	•	0.40.00		
19.	Removing white or colour wash by scrapping. Code/2018/13.88	Sqm	340.00		
20.	P/A white cement based putty. Code./2018/13.80	Sqm	832.00		
21.	Painting with synthetic enamel paint of approved brand on old work. Code/2018/13.99.1	Sqm	153.44		
22.	S/F of PTMT grating. Code/2018/18.58.1.2	Nos.	19.00		
23.	P/F PTMT soap Dish Holder having length of 138mm. Code/2018/18.65	No.	8.00		
24.	S/F of angle valve.	Nos	8.00	1	
25.	P/F of C.P. brass long body bib cock.(for toilet)	Nos	15.00		
	Code/2018/18.51.1				
26.	P/F of C.P brass Stop cock(concealed). Code/2018/18.52.1	No.	8.00	1 a -	
27.	Fixing SW Master trap 100mm dia. PWD/SOR/23.82	No.	15.00	10.0	1.1
28.	P/F 110 mm dia PVC pipe Code/2018/12.41.2	Rmt	95.00		5 1.
29.	S/F 110mm dia plain elbow. Code/2018/12.42.5.2	Nos.	20.00		
30.	P/F single tee with door 110x110x110mm Code/2018/12.42.3.2	Nos.	6.00		
31.	P/F of CPVC pipe 20mm outer dia. Code/2018/18.8.2	Rmt	125.00		
32.	S/F of MTA 22.22 x 20mm Code/D.S.R. basic rate 8901=248+15%CP=	Nos	16.00	11.1	
33.	S/F of FTA 22.22 x 20mm Code/D.S.R. basic rate 8889=237+15%CP=	Nos	16.00	Ч.,	
34.	S/F of female thread elbow 22.22 x 20mm dia. Code/D.S.R. basic rate 8919=191+15%CP=	N <mark>o</mark>	16.00	20.	
35.	Constructing masonry chamber 60x60x75 cm inside in brick work in cement mortar 1:4. Code/2018/18.33.1	Nos.	6.00	2	
36.	Disposal of building rubbish / malba. Code/2018/15.60	Cum	19.00		
37.	Plumber (For dismantling of floor & old fittings). A.R.	days	3.00		
38.	Helper.(For dismantling of floor & old fittings). A.R.	days	3.00		
39.	Demolishing brick work manually. Code/2018/15.7.4	Cum	3.60		
40.	Earth work in excavation by manually. Code/2018/ 2.8.1	cum	31.09		
41.	Half brick masonry with Cement mortar 1:4.	Sqm	38.50		
	Code/2018/6.13.2				

42.	Taking out Door, windows and clerestory	Nos.	9.00		
	window shutters (steel or wood).				
12	Code/ 2018/15.13.1 S/F of PVC door frame.	Dreat	34.80		
43.	Code/2018/9.123	Rmt	34.60		
44.	S/F 25 mm thick PVC door shutter.	Sqm	11.50		
44.	Code/2018/9.118.3	Oqiii	11.00		
45.	P/F ISI marked flush door shutters 35mm	Sqm	4.20		
-5.	thick.	oqm	1.20		
	Code/ 2018/9.21.1				
46.	Approximate cost of aluminum fitting with	Sqm	22.20		
	screws for door and windows including				
	hinges.				
	PWD/SOR/472(1)				
47.	Painting with synthetic enamel paint on new	Sqm	15.50		
	work.		1 A 1	- N	
10	Code/2018/13.61.1	0	400.00		
48.	Removing white or colour wash by scrapping.	Sqm	492.00	1 A A A	
40	Code/2018/ 14.43	0	494.77		
49.	Distempering with Ist quality acrylic	Sqm	494.77	1. A State of the second s	
	distemper on old work.			18 B.	1 A A A A A A A A A A A A A A A A A A A
50	Code/2018/13.90.1	Nee	2.00	1	
50.	P/F water closet squatting pan(Indian type W.C. pan).	Nos	3.00	1 A A	
	Code/2018/17.1.1				5 1
51.	P/F white vitreous china pedestal type water	Nos	1.00		
51.	closet (European type W.C. pan) with seat	1103	1.00		
	and lid.				
	Code/2018/17.2.1			-	
52.	P/F 8mm dia CP/SS Jet with flexible tube.	No.	1.00		
	Code/2018/17.16A				
<u>53.</u>	P/F white vitreous china squatting plate urinal.	Nos	3.00	1 - C - C - C	
	Code/2018/17.24				
54.	P/F C.P. brass angle valve	Nos.	7.00	12 A. A.	
	Code/2018/18.53.1	NI	7.00		
55.	P/F CP brass extension nipple.	No.	7.00		
56	Code/2018/18.53A P/F single tee without door 110x110x110mm	Nos.	6.00		
56.	Code/2018/12.42.3.2	NUS.	0.00	1 - A -	
57.	P/L rectified Glazed Ceramic floor tiles of size	Sqm	52.50	100	
57.	300x300mm.	Oqin	02.00		
	Code/2018/11.40				
58.	Demolishing brick tile covering.	Sqm	81.00		
001	Code/ 2018/15.26				
59.	Renewing glass panes, with putty and	Sqm	18.97		
	nails,Float glass panes of nominal thickness 4				
	mm.				
	Code/2018/14.5.1				
60.	Refixing old glass panes with putty and nails	Sqm	15.00		
	Code/2018/14.10		0.1.00		
61.	Filling available excavated earth.	Cum	24.30		
()	Code/ 2018/2.25	Carr	06.40		
62.	Kota stone flooring over 20mm thick base laid over and jointed with grey cement slurry	Sqm	86.49		
	25mm thick.				
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	Code/2018/ 11.26.1				
63.	S/F False ceiling work size 595X595 mm with	Sqm	202.40		
63.	•	Sqm	202.40		
	GI metal Ceiling Lay in perforated tegular edge global white color tiles,complete etc.as				
	required.				
	Code/2016/12.52.2				
64.	Renewing glass panes with putty and nails.	Sqm	13.10		
04.	Code/ 14.5.1	Juli	13.10		
65.	P/F ISI marked flush door shutters 30 mm	Sqm	6.50		
00.	thick.	oqm	0.00		
	Code/ 2018/9.21.2				
66.	Extra for cutting rebate in flush door shutters.	Sqm	6.50		
00.	Code/2018/9.26				
67.	Steel work in built up tubular (round, square or	Kg	200.00		
• • •	rectangular hollow tubes etc)	Ŭ			
	Code/2018/ 10.16.1		1 - A - A	1990 - Maria I.	
68.	Supplying and filling in plinth with sand under	Cum	5.62		
	floors, including watering ramming,			1 - N	
	consolidating and dressing complete.	1.244.7		(2, 2, 3)	
	Code/2018/2.27				
69.	Cement concrete flooring 1:2:4 with a floating	Sqm	20.00		
	coat of neat cement of mix 1:4.	0.54		1 A 1 A 1	
_	Code/2018/11.3.1				
	Electrical works				
1.	Wiring point for light with 1.5 sq mm				P. 1.
	FRLSH Cu wire submain in PVC			1 A A	
	conduit in wall/on surface & add	No	36		
	modular type switches.		1		
	SI (131C+187A)	1.1			
2.	As in item (1) above but for				
	Fan/Light/LD Exhaust fan point CC in			1.1.1	
	wall on surface & add modular type	No	12		
	switches.	110		1.1.1	
	SI (133 C + 187A)	0.000	1.1.1.1	1 A A A A A A A A A A A A A A A A A A A	
3.	As in item (1) above but for plug point		- X.		
2.	& add modular type switches.	No	14	- 11 a	
	SI (134C + 187C)				
4.	S/F of power plug point with modular	_			
4.	20A Switch & Socket CC in wall			100	
	/surface.	No	14		
~	SI (1139A)	-			
5.	S/F of A.C. point with 25A modular				
	switch/MCB and socket CC in wall/on	No	08		
	surface.				
	(L.P.)				
6.	S/F of TV antenna modular socket etc.		<u>.</u>		
	complete all respect.	No	01		
	(SI No. 1.24.7+1.27.1)				
7.	S/F of 100A FP MCB.	No	01		
	(L.P.)		01		
8.	S/F of 100A TP MCB.	No	01		

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9.	S/F of 6A-32A SP MCB. (SI 1002, Cat-A)	No	48			
10.	S/F of surface/flush mounting 8 way TPN DB, Double door without MCB complete all respect. (1028A) Cat-A	No	01			
11.	S/Wiring of following sizes FRLSH CU. Wire submain with Cu. Earth wire down inside PVC conduit CC in wall/on surface.					
a.	2x2.5 Sq mm. SI 1304 (C)	Mtr.	60			
b.	4x2.5 Sq mm. SI 1306 (C)	Mtr	45			
c.	2x4 Sq mm. SI 216 (C)	Mtr.	390			
d.	4x4 sq mm SI 271 (C)	Mtr.	180			
e.	2x6.0 Sq mm. SI 217 (C)	Mtr	180			
f.	4x6.0 Sq mm. SI 272 (C)	Mtr.	125			
g.	4x16.0 sq mm SI 269 (C)	Mtr.	10			
12.	S/F of 8 way vertical double door TPN DB without 125A MCCB Complete in all respect. (L.P.)	No	01			
13.	S/F of 125A, 25A MCCB FP 415V for incomer. (SI 1021D) CAT-A	No	01	11. 1		
14.	S/F of ceiling FAN modular regulator Havells, C.G. Eq. (L.P.)	No	16	1614		
15.	S/F of 35 sq.mm. plain or pin type copper tin plated cable Lug with tape & making connection etc. complete in all respect. (SI 504f)	No	02			
16.	S/L of 70 sq.mm 3.5 core 1100v. grade, sherved sheathed aluminium armoured cable. (SI 501M)	Mtr.	76			
17.	S/F of 70 sq.mm. plain or pin type copper tin plated cable Lug with tape & making connection etc. complete in all respect. (SI 504h)	No	06			

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18.	S/F of Down Road for Ceiling lights				
	(1 Ceiling lights= 2 fit)	No	16		
	M.R.				
19.	S/F of 70 sq.mm. 3.5 core brass nickle				
	plate compression Gland including				
	rubber ring etc. complete in all	No	02		
	respect.				
	(SI 503m)				
20.	S/F of 300 sq.mm. 3.5 core brass				
	nickle plate compression Gland				
	including rubber ring etc. complete in	No	02		
	all respect.				
	(SI 503S)	1.1	1.11		
21.	S/F of 185 sq.mm. plain or pin type	1.1			
	copper tin plated cable Lug with tape		1 A 1	1994 - C.	
	& making connection etc. complete in	No	02		
	all respect.			$1 \ge 1 \le 1$	
	(SI 504L)			1.5	
	 A second sec second second sec			Total=	

Your rates should be inclusive of all taxes.

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Principal Shyama Prasad Mukherjee Degree College Phaphamau, Prayagraj