



आत्मा राम सनातन धर्म महाविद्यालय

**ATMA RAM SANATAN DHARMA COLLEGE**

ACCREDITED GRADE 'A++' BY NAAC (CGPA 3.77)

All India 5th Rank By NIRF (MOE)

(दिल्ली विश्वविद्यालय) (University of Delhi)

धौला कुआँ, नई दिल्ली-110021 DHAULA KUAN, NEW DELHI - 110021

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संदर्भ सं / Ref. No. 103.....

दिनांक / Date 14/07/2025


### NOTICE INVITING E-TENDER

Tender for Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at Atma Ram Sanatan Dharma College has been invited on Central Public Procurement Portal (Government -E- Portal)

Details in regard of floated Tender are as under:

Tender Reference Number : CE/ARSD/1002/DU/ (2025-26)  
Tender ID : 2025\_DU\_868570\_1  
Tender Start Date/Time : 14.07.2025 : 11:30AM  
Tender End Date/Time : 04.08.2025 : 01:00PM  
Tender Opening Date/Time : 05.08.2025 : 02:00PM

Interested agencies having experience of similar works may participate in the tender.

  
(Administrative Officer)

(NATIONAL COMPETITIVE BIDDING)  
ARSD COLLEGE, UNIVERSITY OF DELHI  
DHAULA KUAN, SOUTH CAMPUS  
UNIVERSITY OF DELHI  
DELHI-110021

REF.NO. CE/ARSD/1002/DU/ (2025-26)

Dated- 14.07.2025

NOTICE INVITING e-TENDER

1. Online bids are invited from the registration contractor with C.P.W.D./ M.E.S./ Railways/ Delhi PWD/Delhi University in two bid systems for **“Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College.** Manual / Offline bids will not be accepted.
2. Tender documents may be downloaded from ARSD College, Delhi University website [www.arsdcollege.du.ac.in](http://www.arsdcollege.du.ac.in) (for reference only) and CPPP site <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under.

<b>Publishing Date</b>	<b>14.07.2025 (11:00 AM)</b>
<b>Bid Document Download / Sale Start Date</b>	<b>14.07.2025 (11:30 AM)</b>
<b>Estimate Cost</b>	<b>Rs. 3,903,371.20/-</b>
<b>EMD</b> (The EMD should be submitted in the office of the Principal, ARSD College within the next working day, by 1:00 PM from the end date of bid submission over e-portal.	<b>Rs.78,067.42/- EMD declaration as per annexure “A” is also to be uploaded with the bid)</b>
<b>Tender Fee</b>	<b>Rs.1000/-</b>
<b>Completion Time</b>	<b>180 Days</b>
<b>Bid Submission start date</b>	<b>14.07.2025 (11:00 AM)</b>
<b>Bid Submission end date</b>	<b>04.08.2025 (01:00 PM)</b>
<b>Technical Bid Opening date</b>	<b>05.08.2025 (02:00 PM)</b>
<b>Financial Bid Opening Date</b>	<b>To be intimated later on website</b>

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

**Bidders/Contractors are advised to follow the instructions provided in the ‘Instructions to the Contractors/Bidders for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <https://eprocure.gov.in/eprocure/app>’.**

Bid documents may be scanned with 100 dpi with black a black-and-white option, which helps reduce the scanned document's size.

4. One contractor or contractor shall submit no more than one tender with a business relationship. Under no circumstance will the father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more

partner(s)/director(s) are common) be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.

5. Bidder who has downloaded the tender from the Central Public Procurement Portal (CPPP) website <https://eprocure.gov.in/eprocure/app>, <https://eprocure.gov.in/epublish/app> **shall not tamper/modify the tender form including downloaded price bid template in any manner**. If the same is found to be tempered/modified in any manner, the tender will be completely rejected and EMD will be forfeited. Bidder is liable to be banned from doing business with ARSD College, University of Delhi.
6. Intending Bidders are advised to visit ARSD College, University of Delhi website [www.arsdcollege.du.ac.in](http://www.arsdcollege.du.ac.in) and CPPP website <https://eprocure.gov.in/eprocure/app> at least 3 days before the closing date of submission of tender for any corrigendum/addendum/amendment.
7. **Mode of payment for tender /quotation fee:** - The bidder shall furnish the tender /quotation fee of **Rs.1000/-** through demand draft, banker's cheque etc.  
**STEPS TO BE FOLLOWED FOR ONLINE PAYMENT**
8. **BID Security / EMD:** The bidder should submit the EMD of **Rs. 78,067.42/-** to the office of The Principal Office, ARSD College, University of Delhi, Delhi-110021 within the next working day latest by 1:00 PM from the end date of bid submission over e-portal. The bidder should obtain the receipt of the deposition of the original EMD as per annexure "B" (the receipt copy is to be furnished and filed by the bidder before submission to the concerned office.)
  - (a) FDR/TDR issued by any Nationalized/Scheduled Bank drawn in favour of "Principal ARSD College, University of Delhi, payable at Delhi,
9. Bids will be opened per date/time as mentioned above. After the online opening of Technical-Bid, the financial bid of eligible bidders will be opened and the date and time will be mentioned on the e-portal.

**Performa for Earnest Money Deposit Declaration**

Whereas, I/we..... (name of agency) have submitted bids

for **“Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College.**

I/we hereby submit the following declaration instead of submitting the Earnest Money Deposit.

- i) If after the opening of tender, I/we withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents,  
and
- ii) If, after the closing date of bid submission on the e-portal, I /we failed to deposit the original EMD which was scanned for the above tender within the next working day latest by 1:00 PM from the end date of bid submission over the e-portal, I/we shall be suspended for one year and shall not be eligible to participate in the bidding process for University of Delhi tenders/ quotations from the date of issue of suspension order.

**Signature of the contractor(s)”**

(The copy of receipt of depositing of Original EMD from the office of the Principal, ARSD College, Dhaula Kuan, South Campus 110021 in the prescribed Performa attached as below)

## Receipt of deposition of original EMD

Receipt no. .... / date .....

- 1. Name of work:** Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College.
- 2. Estimated cost:** Rs. 3,903,371.20/-
- 3. EDM Cost:** Rs. 78,067.42/-
- 4. Tender ID No.**
- 5. Ref. No.**

Last date of submission of bid ..... upto ..... Hrs.

1. Name of contractor .....
2. Form of EMD .....
3. Amount of Earnest Money Deposit .....
4. Date of submission of EMD and time .....

Signature,  
Name and Designation of EMD receiving officer along with office stamp  
(to be filled by EMD receiving officer)

## **Content:**

1. Instructions for online bid submission
2. Eligibility Requirements
3. Technical Bid
4. Price Bid Undertaking and schedule / BOQ
5. Scope of work
6. Conditions
7. Special Conditions
8. List of specific makes

## **Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

### **REGISTRATION**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online bidder Enrollment**” on the CPP Portal which is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **SEARCHING FOR TENDER DOCUMENTS**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine many search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective ‘My Tenders’ folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, and the number of documents - including the names and content of each of the documents that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF/JPG formats. Bid documents may be scanned with 100 dpi with black and white option, which helps reduce the scanned document's size.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use the "My Space" or "Other Important Documents" are available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS**

- 1) Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "online" to pay the tender fee / EMD as applicable and enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- 7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 9) Upon the successful and timely submission of bids (ie after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- 10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **ASSISTANCE TO BIDDERS**

- 1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- 2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

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**Eligibility Requirements: -**

1. The bidder / contractor should have registration with CPWD/ MES/ Railways/ Delhi PWD/Delhi University in appropriate category & class.
2. The bidder should not be black listed from any authorities
3. The bidder should have the following documents
  - i. PAN CARD
  - ii. Latest Income Tax Return (Assessment year 2024-2025)
  - iii. GST Registration
  - iv. GST Return **(From March -2025 or onwards)**
  - v. ESIC Registration along with copy of latest EPF returns/ECR **(From March -2025 or onwards)**
  - vi. EPFO Registration along with copy of latest EPF returns/ECR **(From March -2025 or onwards)**
  - vii. Registration with Labour Department from Central Govt.
  - viii. Power of attorney / Authority letter in case person other than the bidder has signed the tender documents.
4. Technical bid and price bid undertaking form should be duly filled in.
5. The bidder/ contractor should submit the Tender Fee and Earnest Money Deposit as per the details given in the NIT. The scanned copy of acknowledgement /receipt of online payment should be uploaded along with other documents.
6. The bidder should upload the scanned copies of all the documents during online bid submission.
7. Copy of valid Electrical Contractor License (for Electrical Work)
8. The Official of DU shall visit the site of works carried out by agency before opening the financial bid
9. The bidder/ contractor should upload the copy of three similar works each of value not less than 40% or two similar works each costing not less than 60% one similar work of value not less than one similar work of 80% of this tender value i.e. on Rs.3,903,371.20 executed in last 7 years ending provision date of submission of bids.

## Technical Bid Documents:

Scanned copies (true copies) of the following documents are to be uploaded / furnished by the bidder / contractor along with Technical Bid

1. Copy of registration with CPWD/ MES/ Railways/ Delhi PWD /Delhi University in appropriate category & class.
2. Undertaking stating the bidder/ contractor has not been black listed from any authorities.
3. Copies of the following documents.
  - i. PAN CARD
  - ii. Latest Income Tax Return / Clearance (Assessment year 2024-2025)
  - iii. GST Registration
  - iv. GST Return **(From March -2025 or onwards)**
  - v. ESIC Registration and latest return/ ECR **(From March -2025 or onwards)**
  - vi. EPFO Registration and latest return/ ECR **(From March -2025 or onwards)**
  - vii. Registration with Labour Department from Central Govt.
  - viii. Power of attorney / Authority letter in case person other than the bidder has signed the tender documents.
  - ix. Price Bid Undertaking duly filled and signed.
  - x. **Copy of acknowledgement /receipt of online for payment of tender fees.**
  - xi. The bidder should be uploaded the Annexure A duly filled and signed

**N.B. The bidder / contractor who fail to comply with any of the above requirements / documents will be disqualified and their financial bid will not be considered / opened.**

**PRICE BID**

- (a) Price bid undertaking
- (b) Schedule of price bid in the form of BOQ\_XXXX .xls

**PRICE BID UNDERTAKING**

From: (Full name and address of the Bidder)\_\_\_\_\_

\_\_\_\_\_

To,

Dear Sir/Madam,

1. I submit the Price Bid for “**Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College,**and related activities as envisaged in the Bid document.
2. I have thoroughly examined and understood all the terms and conditions as contained in the Bid document, and agree to abide by them.
3. I offer to work at the rates as indicated in the price Bid, BOQ inclusive of all applicable taxes.
4. I am / we are not blacklisted in any authorities/ Departments.

Yours Faithfully,

**Signature of the Authorized Representative**

**ESTIMATE (based on DSR 2021)**

N/W		<b>Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College</b>				
SLNo		Description	Qty	Unit	Rate	Amount
1	1	Carriage of Materials				
	1.1	By Mechanical Transport including loading, unloading and stacking				
	1.1.18	Disposal of moorum/building rubbish/malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	60	cum	411.30	24678.00
		<b>EARTH WORK</b>				
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
	2.8.1	All kinds of soil.	5	cum	286.85	1434.25
3	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	25	cum	2161.20	54030.00
		<b>CEMENT CONCRETE (CAST IN SITU)</b>				
4	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement: 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	6	cum	7365.15	44190.90
5	4.1.8	1:4:8 (1 Cement: 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	10	CUM	6326.05	63260.50
6	4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand	2	sqm	452.25	904.50

		(zone-III) derived from natural sources: 4 graded stone aggregate 20mm nominal size derived from natural sources).				
		<b>REINFORCED CEMENT CONCRETE</b>				
7	5.3	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	37	cum	10391.40	384481.80
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
8	5.9.3	Suspended floors, roofs, landings, balconies and access platform	310	sqm	766.55	237630.50
9	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	350 0	kg	89.65	313775.00
		<b>MASONRY WORK</b>				
10	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	6.1.2	Cement mortar 1:6 (1 cement: 6 coarse sand)	2	cum	6658.25	13316.50
11	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
	6.4.2	Cement mortar 1:6(1 cement: 6 coarse sand)	2	cum	8288.40	16576.80
12	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	120	sqm	1018.05	122166.00
13	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at	120	sqm	86.45	10374.00

		every third course of half brick masonry.				
		CLADDING WORK				
14	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm 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 of edges to give high gloss finish etc. complete at all levels.				
	8.2.2	Granite stone slab of colour black, Cherry/Ruby red				
	8.2.2.2	Area of slab over 0.50 sqm	10	sqm	4425.35	44253.50
15	8.3	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.				
	8.3.1	Marble work	10	metre	244.90	2449.00
16	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin-based adhesive, including cleaning etc. complete.	10	metre	475.55	4755.50
17	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	4	each	808.15	3232.60
18	8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm,	300	sqm	1063.45	319035.00

		including pointing in white cement mixed with pigment of matching shade complete.				
		<b>WOOD AND P. V. C. WORK</b>				
19	9.53	Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size).	60	each	194.35	11661.00
20	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS: 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	6	each	856.30	5137.80
21	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete:				
	9.96.2	250x16 mm	34	each	234.90	7986.60
22	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.97.2	250x10 mm	8	each	104.40	835.20
23	9.97.3	200x10 mm	5	each	90.80	454.00
24	9.97.4	150x10 mm	4	each	75.55	302.20
25	9.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.100.1	125 mm	34	each	60.05	2041.70
26	9.100.2	100 mm	3	each	53.25	159.75
		<b>FLOORING</b>				
27	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be				

		specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement: 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 600x600 mm	85	sqm	1416.65	120415.25
28	11.47	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
	11.47.2	Size of Tile 600x600 mm	10	sqm	1676.15	16761.50
29	11.48.2	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge				
	11.48.2	Size of Tile 600x600 mm	85	sqm	258.65	21985.25
		<b>ROOFING</b>				
30	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10 mm gap for thermal expansion.				
	12.42.3	Single tee with door				
	12.42.3.2	110x110x110 mm	4	each	205.45	821.80
31	12.42.4	Single tee without door				
	12.42.4.1	75x75x75 mm	4	each	124.20	496.80
32	12.42.5	Bend 87.5°				
	12.42.5.2	110 mm bend	4	each	132.00	528.00

33	12.43	Providing and fixing unplasticised PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete.				
	12.43.1	75 mm	6	each	309.50	1857.00
34	12.43.2	110 mm	6	each	310.85	1865.10
		FINISHING				
35	13.4	12 mm cement plaster of mix:				
	13.4.2	1:6 (1 cement: 6 coarse sand)	400	sqm	294.35	117740.00
36	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
	13.5.2	1:6 (1 cement: 6 coarse sand)	200	sqm	339.10	67820.00
37	13.16	6 mm cement plaster of 6 mm cement plaster 1:3 (1 cement: 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams mix:	300	sqm	334.20	100260.00
38	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	200	sqm	214.30	42860.00
39	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade.				
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm	250	sqm	166.85	41712.50
40	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	13.61.1	Two or more coats on new work	20	sqm	131.45	2629.00
41	13.8	Providing and applying white cement-based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	600	sqm	123.85	74310.00
	13.81	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and of required said and colour complete to give and even said.				
	13.81.2	Two coats	750	sqm	90.05	67537.50

42	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	200	sqm	20.85	4170.00
		Dismantling and Demolishing				
43	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	43	cum	1239.55	53300.65
44	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:				
	15.12.1	Of area 3 sq. metres and below	6	each	302.70	1816.20
45	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	150	kg	4.65	697.50
46	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	230	sqm	45.05	10361.50
47	15.44.1	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge, 15 mm to 40 mm nominal bore	150	Mtr	124.10	18615.00
48	15.39.2	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead :	100	sq/mtr	64.15	6415.00
		SANITARY INSTALLATIONS				
49	17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlle ddevice (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including				

		cutting and making good the walls and floors wherever required:				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	6	each	5781.35	34688.10
50	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	10	each	6941.30	69413.00
51	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS: 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required:				
	17.5.4	Range of four half stall urinals with 10 litre P.V.C. automatic flushing cistern	6	each	21880.95	131285.70
52	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	17.7.4	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	12	each	2731.45	32777.40
53	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	12	each	886.25	10635.00
54	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				

	17.28.1	Semi rigid pipe				
	17.28.1.1	32 mm dia	12	each	90.95	1091.40
55	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	12	each	45.25	543.00
56	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing:				
	17.32.4	Rectangular shape 1500x450 mm	12	each	1817.20	21806.40
57	17.34	Providing and fixing toilet paper holder:				
	17.34.1	C.P. brass	12	each	680.80	8169.60
58	17.35	Providing and fixing soil, waste and vent pipes:				
	17.35.1	100 mm dia				
	17.35.1.1	Sand cast iron S&S pipe as per IS: 1729	24	metre	1018.05	24433.20
59	17.36	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement: 2 fine sand) in S.C.I./ C.I. Pipes:				
	17.36.2	100 mm dia pipe	6	each	163.45	980.70
60	17.39	Providing and fixing plain bend of required degree.				
	17.39.1	100 mm dia				
	17.39.1.1	Sand cast iron S&S as per IS - 1729	6	each	412.95	2477.70
61	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
	17.43.1	100x100x100 mm				
	17.43.1.1	Sand cast iron S&S as per IS - 1729	6	each	671.20	4027.20
62	17.44	Providing and fixing single equal plain junction of required degree				
	17.44.1	100x100x 100 mm				
	17.44.1.2	Sand cast iron S&S as per IS - 3989	6	each	707.30	4243.80
63	17.58	Providing lead caulked joints to sand cast iron/centrifugally cast(spun) iron pipes and fittings of diameter:				
	17.58.1	100 mm	6	each	549.65	3297.90
64	17.6	Providing and fixing trap of self-cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
	17.60.2	100 mm inlet and 75 mm outlet				
	17.60.2.1	Sand cast iron S&S as per IS - 3989	6	each	1671.00	10026.00

65	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	12	each	146.30	1755.60
WATER SUPPLY						
66	18.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold-water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc				
	18.8.2	20 mm dia nominal bore	150	metre	537.60	80640.00
67	18.8.3	25 mm dia nominal bore	50	metre	626.05	31302.50
68	18.9	Providing and 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.				
	18.9.3	25 mm dia nominal bore	70	metre	483.85	33869.50
69	18,9,4	32 mm dia nominal bore	100	metre	539.75	53975.00
70	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete:				
	18.13.1	25 to 40 mm nominal bore	50	each	757.10	37855.00
71	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end):				
	18.17.1	25 mm nominal bore	6	each	532.35	3194.10
72	18.46	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work):				
	18.46.1	15 mm nominal bore	20	each	262.30	5246.00
73	18.46.2	20 mm nominal bore	15	each	289.05	4335.75

74	18.46. 3	25 mm nominal bore	15	each	369.35	5540.25
75	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	18.49. 1	15 mm nominal bore	12	each	434.20	5210.40
76	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	18.51. 1	15 mm nominal bore	12	each	708.40	8500.80
77	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	18.52. 1	15 mm nominal bore	12	each	594.75	7137.00
78	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	18.53. 1	15mm nominal bore	20	each	500.35	10007.00
79	18.53 A	Providing and fixing C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	40	each	61.70	2468.00
80	18.76	Cutting holes up to 30x30 cm in walls including making good the same:				
	18.76. 1	With common burnt clay F.P.S. (non modular) bricks	12	each	362.40	4348.80
		<b>DRAINAGE</b>				
81	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
	19.4.1	100x100 mm size P type				
	19.4.1. 1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	each	2453.85	4907.70
82	19.7	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix ( 1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 ( 1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 ( 1 cement :				

		2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg):				
	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of Class designation 7.5	2	each	11687.10	23374.20
		Aluminum Work				
83	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):				
	21.1.1	For fixed portion				
	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	150	kg	466.30	69945.00
84	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	200	kg	564.80	112960.00
85	21.2	Providing and fixing 12 mm thick prelaminate particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass /				

		stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	30	sqm	965.10	28953.00
86	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):				
	21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	35	sqm	1325.55	46394.25
87	21.4	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge				
	21.4.2	With brass cover plate minimum 1.25 mm thickness	2	each	2609.40	5218.80
		<b>WATER PROOFING</b>				
88	22.5	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 @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ 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	45	sqm	516.60	23247.00

		all joints, corners, junctions of pipes and masonry with polymer mixed slurry.				
		<b>NEW TECHNOLOGIES AND MATERIALS</b>				
89	26.22	<p>Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595mm of approved texture, design and patterns as per CPWD Specification 2019, to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mmthick (galvanized @ 120 grams per sqm including both sides)comprising of main-T runners of size 24x38 mm of length 3000 mm,cross - T of size 24x32 mm of length 1200 mm and secondaryintermediate cross-T of size 24x32 mm of length 600mm to formgrid module of size 600 x 600 mm, suspended from ceiling usinggalvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6mm thick with precut hole on both 25mm flange to pierce into 12x50mm or even bigger size dash fastener if require, fixed with Glavanised iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450mm center to center and 40 mm long dry wall S.S screws. The workshall be carried out as per specifications, drawing and as per directions of the Engineer-inCharge</p>				

	26.22.1	With 15 mm thick Tegular edged light weight calcium slicate false ceiling tiles	50	sqm	1693.65	84682.50
90	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory Ywindows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm <sup>2</sup> , modulus of elasticity 900 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.				
	26.86.2	Frame size 45 x 85 mm	65	metre	832.95	54141.75
91	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm <sup>2</sup> , modulus of elasticity 850 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded				

		star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)				
	26.87.2	35 mm thick	21	sqm	4556.05	95677.05
			<b>Total of Civil work</b>			<b>3668881.20</b>
	<b>DSR 2022</b>	<b>DSR items/Electrical Work</b>				
92		S/F the following size/modules G.I box along with modular base and cover plate for modular switches in recess etc as reqd.				
	1.27.4	6 module (200mmX75mm)	6	nos	402	2412
93	1.10.2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed heavy class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group B	20	nos	1182	23640
	DSR 2022	Supplying and drawing the following size FRLS of PVC insulated copper conductor single core cable in the existing surface /recessed steel/ PVC conduit as reqd.				
94	1.17.1	1 x 1.5 sqmm	320	mtr	45	14400
95	1.17.11	2 x 2.5 sqmm	60	mtr	98	5880
96	1.17.20	2 x 4 sqmm	200	mtr	147	29400
97	1.17.29	2 x 6 sqmm	60	mtr	216	12960
98	1.14.10	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 x 10 + 1 x 6 sqmm	20.00	mtr	1005.00	20100
	DSR 2022	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
99	1.24.1	5/6 amps switch	10	each	103	1030
100	1.24.4	3 pin 5/6 amp socket outlet	4	each	122	488

101	1.24.3	15/16 amps switch	12	each	156	1872
102	1.24.5	6 pin 15/16 amp socket outlet	12	each	197	2364
103	1.57	S/F of suitable size G.I box with modular plate and cover in front or surface in recess including providing and fixing 25A modular socket outlet and 25A modular SP MCB "C" curve including, painting etc	3	nos	727	2181
104	1.26	Supplying and fixing of modular blanking plate on the existing modular plate and switch box excluding modular plate as reqd.	5	nos	40	200
105	1.32	S/F of suitable size G.I box with modular plate and cover in front or surface in recess including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connection etc	3	nos	586	1758
106	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	6	nos	369	2214
107	DSR 2022	S/F of following sizes of heavy class PVC conduit/Batten along with all accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	1.21.2	25 mm	75	mtr	145	10875
108	1.21.1	20mm	50	mtr	128	6400
109	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed steel/ PVC conduit as required	100	mtr	57	5700
110	2.3.3	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 12 way double door	1	Nos	2315	2315
111	2.10.1	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. <b>Single pole</b>	10	each	256	2560
112	2.12.2	Supplying and fixing following 63 amp, double pole, 240 volts, DP MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required	1	Nos	527	527

113	19.1	Supply, installation, testing and commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush less Direct Currnet ( BLDC) Motor, class of insulation: B3 nos blades, 30 cm long down rod, 2 nos canopies, shackles kit, safety rope, copper winidng , Power factor, not less than 0.9 service value ( CM/M/W) minimum 6.00 , Air delivery minimum 219 Cum/min 350 RPM ( tolerance as per IS: 374-2019) , THD less than 10% remote of electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C ( max) insulation resistance more than 2 mega ohm, suitable for 230 volt 50 HZ single phase 415 volt AC supply , earthing etc complete as reqd.	6	nos	2730	16380
		<b>Market Rate items (Rate are not available in the DSR)</b>				
114	MR	S/F of single box type fitting complete with all accessories i/c making connection etc as reqd. TMC 501 1X T-LED 22W P3242 i/c having 1 nos 18-watt MAS LED tube light in the existing fitting etc as reqd.	6	Nos	1244	7464
115	MR	Supplying and fixing of 2'x2' recessed mounred LED fitting square shaped luminaire with diffuser suitable including making connection etc. as required at site. (Model No. SM 365C LED 32 6500 PSU OD GR) (Philips)	6	Nos	5900	59000
116	MR	S/F 1 Nos. RJ-45, 1 Module box i/c modular plate covering in front on surface connection etc. as required.	3	Nos	790	2370
		<b>Total of Electrical Itmes</b>				<b>234490</b>
		<b>Total Amount</b>				<b>3903371.20</b>
1		PVC Pipe : AKG/BEC				
2		Wire/cable : Havells/Skytone/Grandlay/Polycab				
3		TP&DB/DP/MCB :- L & T/Hagger				
4		Switch/socket :-North-west/Legrand				
5		Fitting : Philips				

**Scope of work: -**

1. Flooring work
2. Wall Tiles
3. Floor Tiles
4. Electrical work
5. Sanitary works

## CONDITIONS

Name of Work: Renovation/Construction of Girls and Boys Toilets, Old Transformer room and floor of chemistry Lab no -02 at ARSD College

1. All materials to be used on the work shall be of reputed makes/ISI marked, as per the sample approved by the Engineer In charge.
2. Time allowed for the work from the day after the date of written order to commence the work will be **160 days**.
3. Water or electricity required for the work will be allowed to the contractor for use and 1.50% of the full cost of work done will be recovered.
4. Cement required for the works will have to be arranged by the contractor, and his own cost.
5. All taxes as applicable shall be deducted from the bills of contractors.
6. The contractor will have to get samples of material and all fittings approved by the Engineer or his representative before using them of the work.
7. The contractors can see the site of work before quoting their rates.
8. The successful contractor will have to execute and agreement with the ARSD COLLEGE Authorities on the COLLEGE Printed Form which can be seen before tendering in the office of the undersigned. Clause 10 CC shall not be applicable for this work.
9. Before tendering, the bidder shall visit the site and satisfy himself as to the local conditions, the accessibility of the site of full extent and implication of the operation, the nature of the ground and supply conditions affecting labour and execution of the contract. No claim on these issues will be entertained.
10. Inconvenience of Public: The Contractor shall not deposit materials on any site which will cause inconvenience to the public. The contractor may require to remove any materials which are considered to be dangerous or inconvenient to the public or cause them to be removed, at the contractor's cost as per direction of Engineer-in-charge. Works must be executed as per prevailing rules norms and [
11. The work shall be carried out as per latest CPWD specifications with relevant IS codes for works at Delhi, with up to date correction slips unless otherwise specified in the nomenclature of the individual item of work.
12. In case of error in description of any DSR item given in the attached schedule, the description given in the CPWD schedule of rates 2021 shall be final & no claim on account of error shall be entertained.
13. All existing services and ground of the plot (like storm water drains, water supply lines, sewer lines and approach roads etc.) will be kept by contractor in good order. Any damage to lawns, services, existing structure etc. during execution of work will have to be made good by the contractor at his own cost.
14. The contractor will co-operate with the other agencies working at the site/or in the surrounding area.
15. The successful contractor or his representative should be made available at work site execution every day during the execution of the work who will receive day to day instructions from the Engineer-In- Charge or his representative.
16. The contractor has to make his own arrangement of T&P required for execution of the work and no claim will be admissible on this account.
17. The contractor should submit the following documents along with the tender:
  - (a) Registration in Labour Department

(b) Registration with (a) EPFO (b) ESIC.

18. The contractor shall obtain a valid license under the Contract Labour (R & A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provisions of the building and the other construction workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.  
Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work. No labour below the age of fourteen years shall be employed on the work.
19. Before commencement of the work, the contractor shall submit completion program of the assigned work so as to inform the Engineer in advance. The work shall be executed without inconvenience to the beneficiaries.
20. In case the work site is not made available to the contractor according the program, no claim will be admissible on this account.
21. All doors, windows, floors, furniture, electrical fitting and other articles shall be protected from Splashes and droppings of white/colour washing, distempering, painting etc. on wall, floors, doors, window, furniture etc. the same shall be removed by the contractor at his own cost failing which the Engineer in charge shall have the right to get this work done at the risk and cost of the contractor.
22. The contractor shall have to get the site of work cleared during execution and / or on completion of work as per directions and to the satisfaction of Engineer in charge.
23. Conditional tenders / quotations will not be accepted and will be rejected outright.
24. Variation in excess of the work shall not be allowed without prior approval of the competent authority. It shall be the responsibility of the contractor to ensure that cost of the work is not increased beyond the award value.
25. The tender shall remain open for acceptance of the period of 60 days from the date of opening of tenders. If any bidder withdraws his tender before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to the College, then the College without prejudice to any right or remedy be at liberty to forfeit the earnest money.
26. The acceptance of the tender will be the university authorities who do not bind themselves to accept the lowest tender. The University authorities reserve the right to reject any or all the tenders without assigning any reason.
27. The contractor shall sign all pages of the tender documents including these conditions. Incomplete tenders are likely to be rejected.
28. The Contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of irrevocable bank guarantee bond of any scheduled bank or state bank of in accordance with the form prescribed or in the form of Govt. Security, fixed deposit receipt etc. as in the case of recovery of security deposit within 15 days of the issue of letter of intent but before award or work. This period can be further extended by the Engineer-In-Charge up to a maximum period of 7 days on written request of the contractor.
29. The work is to be executed as per layout given by the Engineer-in-charge and the contractor shall restrict the work accordingly.
30. After the award of work and agreement will be as per the general condition of contract of work of ARSD College, University of Delhi, which can be seen from the office of Engineer.

31. If the contract has not carried out the work as per the CPWD specification no claim of payment is acceptable.
32. At the time of billing the contractor will have to submit an Affidavit\undertaking regarding payment of labour has been done after the completion of work.
33. Watch and ward of the materials at site and E.I. will be the responsibility of the contractor till full testing of all the fittings are completed and handed over to the department in full and nothing extra will be paid on this account.
34. The Contractor shall be fully responsible for the safe custody and proper storage of material at site to the satisfactions of the Engineer-in-Charge for which nothing extra will be paid.
35. If any damage is done to the building during the checking existing conduit, junction boxes etc. same will have to be made good by the contractor for which nothing extra will be paid.

**(Principal)**

## SPECIAL CONDITION

### Clause 12 shall be read as under:

CLAUSE 12. The Engineer –in charge shall have power to make any alterations in , omissions from, additions to or substitutions for , the original specifications , drawings, designs and instructions, that may appear to him to be necessary during the progress of the work , and the contractor shall carry out the work in accordance with and instructions which may be given to him in writing signed by the Engineer –in charge , and such alterations, omissions, additions or substitutions shall not invalidate the contract and any altered , additions or substituted work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The time of the completion of the work shall be extended in the proportion that the altered, additional or substituted work bears to the original contract work, and the certificate of the Engineer – in charge shall be conclusive as to such to proportion. Over and above this, a further period to the extent of 25 per cent of the time as extended shall be allowed to the contractor. The rates for such additional, altered or substituted work under this clause shall be worked out accordance with the following provisions in their respective order:

- (i) If the rates for the additional, altered, substituted work are specified in the contract for the work, the contractor is bound to carry out the additional, altered or substituted work, at the same rates are as specified in the contract for the work.
- (ii) If the rates for the additional, altered, substituted work are not specifically provided in the contract for the work, the rates will be derived from rates for a similar class of work as are specified in the contract for the work.
- (iii) If the altered, additional or substituted work includes any work for which no rates is specified in the contract for the work cannot be derived from the similar class of work in the contract, than such work shall be carried out the rates entered in C.P.W.D. Schedule of Rates for Delhi 2021 Minus/ plus which the total Bidder amount bears to the estimated cost of the entire work put to tender.
- (iv) It the rates for the altered , additional or substituted work cannot be determined in the manner specified in sub- clause (i) to (iv)above then the contractor shall, within 7 days of the date of receipt of order to carry out the work , inform the Engineer – In charge of the rate which it is his intention to charge for such class of work, supported by analysis of the rate or rates claimed, and the Engineer – in charge shall determine the rate or rates on the basis of prevailing market rates, and pay the contractor accordingly. However, the Engineer – in charge by notice in writing, will be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider advisable. But under no circumstances, the contractor shall suspend the work on the plea of non- settlement of rates of items falling under the clause.

**(Principal)**

**LIST OF RECOMMENDED MAKES OF MATERIAL  
(CIVIL WORK)**

The materials of the following make of first/ standard quality shall only be used in the work. In case of is established through that the brands specified below are not available in the market, the contractor shall submit proposal for alternative make for the approval of the Principal. However, tests prescribed in CPWD specifications – 2009 Vol- I & II with upto date correction slips should be carried out in all cases.

Sl. No.	Material	Approved Make/ manufacture
1	Plywood/ Flush door	Kutty, kitply, Century, Greenply, Mayur, Gattani, Merino, Jayan
2	Laminate	Green Lam Century, Neo Nuxe, For Mica Merino
3	Adhesive	Fevicol, Pidilite, Choksy, Araldite, Fosroc
4	Prelaminated particle board	Anchor, Durian, Novapan, Archidlam
5	Aluminum building hardware	IPSA, Everite, EBCO, ECIE, Hardwin Traders
6	Locks	Godrej, Harrison, Yale
7	PVC door/ shutter	Rajshri, Plasopan, Synka, Polywood, Polyline
8	Ceramic tiles	Regency, Kajaria, Somani, H & R Johnson, Bell, orient
9	Vitrified tiles	1 <sup>st</sup> quality of Regency, Kajaria, Somani, H & R Johnson, Bell, Naveen, RAK, Asian, Marbitto, Oreva
10	Precoated iron galvanized profile sheet and accessories	Lolydeck, Trackdec, Multiclad, TATA, Bluescope, Dyna Roof
11	Water proofing compound	FOSROC, SIKA, CICO
12	Wall Putty	JK Wall Putty, Birla Putty
13	Paint	Asian, Berger, Nerolac, ICI paints
14	Aluminium section	Jindal, Hindalco, Indalco, Mahaveer
15	Cement	ACC, Ultra Tech, Vikram, Shree Cement, Ambuja, CCI, Jaypee Cement, Century Cement & J.K. Cement
16	Glass (Float/ sheet)	Modiguard, Saint Gobin, TATA Continental
17	Pressed Steel door frame	Senharvic, AGEW, Steel Flast, Rajender Steel
18	Viterous China sanitary ware	Parryware, Hindware , CERA
19	Plastic WC Cover	Hindware, Commander
20	Stainless Steel sink	Neelkanth, Nirali, Jayna, Crysil, Prayag, Alex
21	GI pipes	Jindal (Hissar), TATA, Parko, Surya
22	GI Fittings	Unik, ZOLOTOM, DRP-M, Kent
23	CPVC Pipe	Astral, Ashirwad, SFMC, Finolex, Supreme
24	Rain water & PVC pipe & fittings	Prince, Supreme, Finolex, SFMC,
25	Gunmetal valves	Leader, Sant, Zoloto
26	Upvc pipe & fittings	Supreme, Finolex, SFMC
27	Stoneware pipes, gully Traps (SI 651)	Pragati, Perfect, Burn, C & R
28	CI covers & Manhole covers	RIF, NICO
29	CP brass fittings & Accessories	Jaquar, Gem, Ess-ess, Aquaplus, Kingston, Prayag, Parko, Prima, Cera, Hindware
30	Floor Drain Fixture & Channel Gratings	Chilly, Neer, ACO
31	CP grating for floor trap	Chilly, Chockrach Trap, GMGR
32	Cast iron Pipes & Fittings Manhole covers and frames As per IS: 3989	NECO, KAPLANS, RIF
	(Pipe & Fittings)	

33	Cast iron Pipes & Fittings Manhole covers and frames As per IS: 1729 (Manhole covers and frame)	NECO, Raj iron, Foundary, BIC Calcutta, Kajeco, SKF, BC, K.K., SRIF, RIF
34	Cast iron Pipes & Fittings Manhole covers and frames As per IS: 1536 (CILA pipe)	Electro Steel Calcutta, Kesoram Calcutta
35	Drip Seal	Vinod Cement Co. Chandigarh (PJS 43)
36	GI pipe Sealant	Henkel- LOCTITE 55
37	Pipe clamps & Supports	Chilly, Euro clamp, HI tech
38	Clean Out Plug	Neer, GMGR
39	GM/ Forged Brass Ball valves	Zoloto, DRP, Sant/ Leader
40	Wafer Type Check Valve	Audco, Zoloto, Advance
41	Butterfly Valve	Audco, Zoloto, Advance
42	Air Release valve	Zoloto, OR, Arco
43	Ball Float valve	Zoloto, HBD, Esseti
44	MH/ Water Tank Plastic Steps	KGM, Patel, Pranali Industries
45	Insulation for Hot Water pipes	Themoflex, K Flex, Armacell
46	PVC water tanks	Sintex, Rotoplast, Polycon, Amitex, Sheetal
47	SFRC MH cover & frame and gratings	KK Manholes & Gratings, SFP/ steel Fibre Product Pragati
48	Anticorrosive Tape for pipe protection	PYPKOTE
49	Anticorrosive Bitumen Paint	Shalimar
50	Epoxy Paint	Asian, Berger, J & N
51	Pressure Gauge	H Guru, Fiebig, Dwyer
52	Water Meter (Mechanical Type)	53 Kaycee jranti, Capstan, Actairs
53	Fastener	Fisher, Hiliti, Canon
54	Fire Sealant	Hilti, Promat, Birla 3 M
55	Sealant & Additives	Asian paints, Fosroc, Pidilite
56	Concrete Additives	SIKA, Fosroc, CICO, Sunanda Roff
57	Polymer sealant for expansion joint	SIKA, CICO, Pidilite, GE SDilicon
58	RCC pipe	Ashok, Cement pipe, Indian Hume pipe, KK
59	APP membrane	Lloyd Insulation, Builtech Products Pvt. Ltd., CICO technologies Lt, FOSROC Chemicals, STP Ltd., SIKA, IWL India Lt, Pure Leathers Ltd.,
60	Cement Concrete paver tiles	NITCO, Ultra, GICO, Dalal
61	PTMT fittings	Prayag, Polytuf, Symet, PEARL, SHAKTI
62	PPR pipe and fittings	Amitex, Supreme, SFMC, Georg, Fscher
63	Water proofing cement paint	Snowcem, Asian
64	Structural Steel Sections	TATA, SAIL, RINL
65	Reinforcement Steel	TATA, SAIL, RINL, ISPAT, Barnala
66	Blinds	VISTA/DECK/MECK