

87NIT NO. 38/EE/GD/2026-27

Name of Work: Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21

INDEX

Sl. No.	Description	Page No.
1	Index	1
2	PART – A	2
3	CPWD-6 for e-tendering	3 - 6
4	Receipt of deposition of original EMD	7
5	Information and instructions for bidders for e-tendering forming part of bid document	8 - 9
6	CPWD-7	10 - 11
7	Form of Bank Guarantee for Earnest Money Deposit /performance	12 - 13
8	Format For Undertaking For Site Inspection (Annexure - A)	14
9	Format For Undertaking for carefully read and understood the complete tender documents, including GCC for Maintenance Works and, in particular, Clause 5A	15
10	Proforma of schedules	16 - 20
11	PART – B	21
12	General conditions	22 - 24
13	Additional Specification	25 - 28
14	Special Conditions	29 - 30
15	Other Conditions	31 - 32
16	Schedule of quantity (Civil)	33 – 41
17	PART – C	42
18	Modification in GCC Maintenance Work 2023	43 - 87

Certified that this N.I.T. amounting to Rs. 24,65,317.00 (Rupees Twenty-four Lakh Sixty-five Thousand Three Hundred Seventeen) only contains 1 to 87 pages only, in chronological order.

Sr. D/Man (Civil)
Guwahati Division
CPWD, Guwahati-21

Assistant Engineer (P)
Guwahati Division
CPWD, Guwahati-21

APPROVED

Executive Engineer,
Guwahati Division
C.P.W.D., Guwahati-21.

PART – “ A ”

CPWD-6 FOR e-TENDERING

Percentage rate bids are invited by Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati – 21 on behalf of President of India from approved and eligible contractors of CPWD for the Work of “ **Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21**” 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. 24,65,317.00 (Rupees Twenty-four Lakh Sixty-five Thousand Three Hundred Seventeen) only**. This estimate, however, is given merely as a rough guide.
- 1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
- 2 Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 7** which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. 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 **04 (Four) Months** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
- 4 The site for the work is available. The architectural and structural drawings shall be made available in phased manner, as per requirement of site and as per approved programme of completion submitted by the contractor after award of work.
- 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 except Standard General Conditions of Contract Form can be seen on website <https://etender.cpwd.gov.in> or www.cpwd.gov.in at free of cost.
- 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 When bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted, then the bid submitted earlier shall become invalid.
- 9 Earnest Money amounting to **Rs.49,306/-** Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (**drawn in favour of Executive Engineer, Guwahati Central Division, CPWD, Bamunimaidan, Guwahati-21 payable at Guwahati**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, will have to be deposited in shape prescribed above, and balance can be accepted in form of any commercial bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenders except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period of immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/three bid system, earnest money deposit of bidders unsuccessful during the technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

- 9A The contractors registered prior to 01.04.2015 on e-tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.

The bid submitted shall be opened at **03:30 PM on 13/10/2026.**

**** To be filled in by Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati - 21**

- 10 The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) 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 lowest bidder in the office of bid opening authority.
 - (iv) 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.
- 11 The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned Scheduled E and within the period specified in Schedule F. This guarantee shall be in the form of insurance surety bonds, account pay demand draft, Fix deposit receipt or bank guarantee from any of the Commercial bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. 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 including 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 within the period specified in Schedule F.
- 12 The description of the work is as follows: **“Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21”** 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 bidder 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 bidders implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

- 13 The competent authority on behalf of the President of India 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.
- 14 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.
- 15 The competent authority on behalf of President of India 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.
- 16 The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). 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 gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- 17 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.
18. The bids for the work shall remain open for acceptance for a period of **30 (thirty) days** from the date of opening of bids in case of single bid system ~~and 75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system.~~
~~Further.~~
 - i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours) basis of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered.
 - iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work and also the Government shall, without prejudice to any other right or remedy, be at liberty to suspend the agency for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order.

19. This notice inviting Bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 10 days from the stipulated date of start of the work, sign the contract consisting of:-
- (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.
20. ~~Integrity Pact: The contractor shall download the Integrity Pact, which is a part of tender documents, affix his signature in the presence of a witness, and upload the same while submitting online bids for all works of estimated cost put to tender equal or more than the threshold value given in Schedule-F. In the event of his failure to sign and upload the Integrity Pact along with other bid documents, his bid shall be rejected.~~
21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (**Phone No. 9654267797, e-mail id : eegcdghy@gmail.com, Division : Guwahati Division, Guwahati**) or ERP help line no. 18001803286 or e-mail-id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
- To be filled in by NIT approving authority.
- ~~22. Price Preference to SC/ST individual contractor for item rate/percentage rate tender:~~
- ~~Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-~~
- ~~(i) For work(s) upto and equal to an estimated cost of Rs. 2.70 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).~~
 - ~~(ii) For work(s) beyond an estimated cost of Rs. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.~~
- ~~The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.~~
23. The agency has to follow COVID guidelines as issued by the State/ Central Govt. from time to time to contain the spread of COVID-19 outbreak.

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. Date)

Name of work: Upgradation of Staff Quarters of CPWD at Bamunimaidan
Residential Colony, Guwahati-21

1. NIT No. : 38/EE/GD/2026-27
2. Estimated Cost: Rs. 24,65,317/-
3. Amount of Earnest Money Deposit. Rs.49,306/-
4. Last date of submission of bid 13/10/2026.

To be filled by EMD receiving EE

1. Name of Contractor : ...#.....
2. Form of EMD ...#.....
3. Amount of Earnest Money deposit...#.....
4. Date of submission of EMD ...#.....

**Signature, Name and Designation of EMD
Receiving officer (EE/AAO)
Along with office stamp**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING
PART OF BID DOCUMENT
(Applicable for inviting open bids)**

The **Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati-21** on behalf of President of India invites online percentage rate bids from approved and eligible contractors of CPWD for the following work(s):

S. No.	NIT No.	Name of work & Location	Estimated cost put to bid (Rs.)	Earnest Money	Stipulated Period of Completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date & time of opening of bids
1	2	3	4	5	6	7	8
1	38/EE/GD/2026-27	Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21	Rs. 24,65,317 /-	Rs.49,306/- In favor of EE, Guwahati Central Division, CPWD, Bamunimaidan, Guwahati-21	04 (Four) Months	Up to 03.00 PM on 13/10/2026	Date 13/10/2026 at 3: 30 PM

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- 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 <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
- But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Demand draft or Pay order or Bankers Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE), CPWD and other documents as specified.
- Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of <https://etender.cpwd.gov.in>
- The intending bidder must have valid class-III digital signature certificate with encryption key (combo type) to perform any operations/transactions on the e-tendering portal/website and the bidder should download and install the messenger on their system as per instructions available on downloaded section of <https://etender.cpwd.gov.in>.

7. On opening date, the contractor can login and see the bid opening process. After opening of bid he/ she will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **JPG** format and **PDF** format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

However, 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.

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

- I. Account Payee Demand Draft/ Banker's Cheque / FDR/ Bank Guarantee (for balance amount as prescribed) of any Commercial Banker Insurance Surety Bonds against EMD.
- II. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer (i/c NIT issuing EE/AE CPWD).
- III. Enlistment order of the Contractor.
- IV. Copy of PAN card.
- V. GST registration Certificate of the State in which the work is to be taken up, if already obtained by the bidder.

If the bidder has not obtained GST registration in the State in which the work is to be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following under taking along with other bid documents.

If work is awarded to me, I/we shall obtain GST registration Certificate **of the State, in which work is to be taken up** within one month from the date of receipt of award letter or before **release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.**

- VI. The agency must upload the ERP training Certificate regarding successful completion of ERP training from ERP portal or an Undertaking that He/She will complete ERP Training within 3 months from date of issue of bid document.
- VII. **Undertaking for site inspection** (Intending bidders must upload undertaking that they have inspected and examined the site and it's surrounding before submitting their bids, duly submitted as per **Annexure-A at page no. 14.**
- VIII. **Undertaking regarding clause 5A (Time is the essence of the contract) to be submitted by the Bidder on ₹10/- Non-Judicial Stamp Paper as per Annexure-B at page no. 15.**

CPWD – 7

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
Percentage rate tender & contract for works**

(A) Tender for the work of:- **Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21**

- (i) To be uploaded by **15:00 hours on 13/10/2026** in the office of Executive Engineer, Guwahati Division, CPWD, Guwahati - 781021.
- (ii) To be opened in presence of tenderers who may be present at **15:30 hours on 13/10/2026** in the office of Executive Engineer, Guwahati Division, CPWD, Guwahati - 781021

TENDER

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

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

I/We agree to keep the tender open for 30 days from the due date of its opening in case of single bid system and not to make any modification in its terms and conditions.

I/We have deposited EMD through online payment mode for the prescribed amount as per the bid document.

In respect of portion of EMD prescribed in the shape of BG, the scanned copy of original Bank Guarantee including e-Bank Guarantee (as applicable) of any commercial bank having validity for a period of 90 days for single bid ~~and 180 days for two bid system or more from the last date of receipt of bids (strike out as the case may be)~~, is to be uploaded. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India 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 President of India 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 or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, 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 CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnes 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.

Dated

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs.

.....

(Rupees)

The letters referred to below shall form part of this contract agreement:-

(a)

(b)

(c)

For & on behalf of the President of India.

Dated:

Signatures

Designation

On Non-Judicial stamp paper of minimum Rs. 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money Deposit /performance
Guarantee/Security Deposit/Mobilization Advance**

1. Whereas the Executive Engineer(name of division)..... CPWD on behalf of the President of India (hereinafter called "The Government")has invited bids under(NIT number)..... dated for..... (name of work)..... The Government has further agreed to accept irrevocable Bank Guarantee for Rs. (Rupees..... only) valid upto (date)*..... as **Earnest Money Deposit** from (name and address of contractor)(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer..... (name of division)..... CPWD on behalf of the President of India (hereinafter called "The Government,") has entered into an agreement bearing number..... with(name and address of the contractor). (hereinafter called "the Contractor,") for execution of work..... (name of work)..... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date)..... as **Performance Guarantee/security Deposit/Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, (indicate the name of the bank)..... (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs.,.....,..... (Rupees only) on demand by the Government within 10 days of the demand.
3. We, (indicate the name of the Bank),do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupeesonly).
4. We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the contractor shall have no claim against us for making such payment.
5. We, (indicate the name of the Bank)....., further agree that the Government shall have the fullest liberty without our consent and

without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, (indicate the name of the Bank)....., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We,(indicate the name of the Bank).....,undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to.....unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees..... only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date.....

Witnesses:

1. Signature.....
2. Name and Address

Authorized Signatory
Name
Designation
Staff code no.
Bank seal

1. Signature.....
- Name and Address

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be

FORMAT FOR UNDERTAKING FOR SITE INSPECTION

To,

**The Executive Engineer
Guwahati Division,
CPWD, Guwahati-21**

I/we hereby give an undertaking for the given work as follows :-

NIT No. :- 38/EE/GD/2026 - 27

Name of Work: Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21

I/we have inspected and examined the site and its surroundings is / are satisfied before submitting our bid 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 I/we may require and in general shall myself / ourselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid. I/we shall be deemed to have full knowledge of the site whether I/we inspect it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. I/we shall be responsible for arranging and maintaining at our 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 I/we implie(s) that I/we have read this notice and all other contract documents and has made myself / ourself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to us by the Government and local conditions and other factors having a bearing on the execution of the work.

Place:

Date:

Yours faithfully

[Signature of Bidder(s)]

****To be filled by Executive Engineer.**

UNDERTAKING

To be submitted by the Bidder on ₹10/- Non-Judicial Stamp Paper

I/We, M/s. _____, having its registered office at _____, hereby solemnly undertake and confirm that:

I/We have carefully read and understood the complete tender documents, including the General Conditions of Contract (GCC) for Maintenance Works and, in particular, Clause 5A thereof.

I/We have fully understood the implications of the said Clause 5A, including the provisions relating to the stipulated period of completion and **non-entitlement to any extension of time**, as applicable under the said clause.

I/We hereby confirm that we have assessed and satisfied ourselves regarding the time available for execution and completion of the work and have taken into consideration all factors that may affect timely completion of the work.

I/We further undertake that no claim for extension of time on account of any reason covered by Clause 5A shall be raised, and **I/We shall not seek or claim any extension of the stipulated completion period contrary to the provisions of the said Clause 5A.**

I/We understand that submission of this undertaking is a mandatory condition of the tender and that any bid submitted without this undertaking, duly executed and signed, may be treated as non-responsive.

I/We further undertake that in case of violation of Clause 5A, work may be terminated and our firm may be debarred in future CPWD contracts.

This undertaking is given voluntarily and with full knowledge and understanding of the terms and conditions of the tender.

For and on behalf of M/s. _____

Authorized Signatory: _____

Name: _____

Designation: _____

Signature: _____

Date: _____

Place: _____

Seal of the Firm/Company

PERFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3)	:	from Page No 33 to 41
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SCHEDULE 'D'

Extra schedule for specific requirements / documents for the work, if any	:	General Conditions, Additional Specifications
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SCHEDULE 'E'

Reference to General Condition of contract	:	General Conditions of Contract 2023 (Maintenance work) CPWD – 7 with upto date corrections slip issued till last date of submission of bid.
Name of work	:	Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21
Estimated cost of work	:	Rs. 24,65,317 /-
1) Earnest money	:	Rs.49,306/-
2) Performance Guarantee	:	a) PG: 5% of tendered value or Estimated Cost Put To Tender (ECPT) (whichever is higher). (b) APG: Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put To Tender (ECPT) the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount. (c) Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.
3) Security Deposit	:	2.5 % of tendered value.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer Inviting Tender	:	Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati-21
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Definitions:

2(vi)	Engineer-in-Charge	:	Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati-21
2(viii)	Accepting Authority	:	Executive Engineer, Guwahati Division, CPWD, Bamunimaidan, Guwahati-21
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	:	Over Head : 7.5 % & Contractor's Profit: 7.5%
	Standard Schedule of Rates	:	DSR-2023 with up-to-date correction slips
2(xi)	Department	:	Central Public Works Department
9(ii)	Standard CPWD contract Form GCC 2023 (Maintenance work), C.P.W.D Form 7 as modified and corrected up to last date of submission of bid.	:	Form 7

Clause 1

(i)	Time allowed for submission of Performance Guarantee Programme Chart (Time and Progress) and applicable Labour Licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue letter of acceptance.	:	07 (Seven) Days
(ii)	Maximum allowable extension with late fee @ 0.10% Per day of Performance Guarantee amount beyond the period provided in (i) above	:	3 (Three) days with late fee @ 0.10% Per day of PG amount.

Clause 2

Authority for fixing compensation under clause 2	:	Chief Engineer, Guwahati CPWD, Guwahati-781035.
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Clause 2A

Applicable clause 2/ clause 2A	:	2A
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Clause 5

Number of days from the date of issue of letter of acceptance of work for reckoning date of start	:	10 Days
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Mile stone(s) as per table given below:-

Mile Stone Break up			
Sl. No.	Description of Milestone	Tile Allowed (from date of start)	Amount to be withheld in case of non-achievement of milestone (% of tender amount)
----- N. A. -----			
Time allowed for execution of work.		04 (Four) Months.	

Authority to decide:

(i)	Shifting of date of start in case of delay in handing over of site.	:	Chief Engineer, Guwahati CPWD, Guwahati-35
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Proforma of schedule clause 5 schedule of handing over of site.

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	(a) Portion without any hindrance	33%	As per CPWD 6 (Sl. No. 3)
	(b) Portion with hindrance	33%	After completion of Part A (a)
	(c) Portion with hindrance	34%	After completion of Part A (b)
Part B	Portion with encumbrances	Nil	NA
Part C	Portions dependent on work of other agencies	NA	NA

Clause 5

Applicable clause 5/ Clause 5A	:	Clause 5A Applicable
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Clause 6 : Computerised Measurement Book (CMB) / Electronic Measurement Book (EMB)

Mode of measurement	:	CMB
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Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such Payment for being eligible for interim payment.	:	Rs.6.00Lakh
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Clause 7A

Whether applicable or not applicable	:	Yes Applicable
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Clause 10A

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

1. As per site requirement as directed by Engineer-in-charge, to complete the work in time.

Clause 10-B (ii)

Whether clause 10-B (ii) shall be applicable	:	Not Applicable
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Clause 10 C : Not Applicable

Component of labour expressed as percentage of value of work	:	N.A.
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Clause 10 CA	:	N.A.
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Clause 10 CC	:	N.A.
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Clause 11

Specifications to be followed for execution of work	:	CPWD specifications 2019 Volume I and II, modified / corrected up to last date of submission of bid.
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Clause 12**Type of work:****Maintenance work.**

The completion cost of any maintenance work shall **not exceed 1.5 times of contract amount** and 10 % of the sanction cost for budgeted works. The Engineer in charge shall record reasons for such deviation beyond the contract amount. **Prior approval from SE/CE is required** when completion cost of works is likely to go beyond 1.25 times of contract amount with recorded reasons.

(Ref. OM No. DG/Maua-2022/13 dated 18.12.2023)

12.2 & 12.3 Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work.

All the Deviated Quantities shall be paid at agreement rates.

(i) Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except earth work).

Unlimited

(ii) Deviation limit for items in earth work subhead of

Unlimited

DSR or related items

Clause 16

Competent Authority for deciding reduced rates	:	Chief Engineer, Guwahati CPWD, Guwahati-35.
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:-

- Any equipment shall be arranged by contractor as directed by Engineer-in-charge, to complete the work in time.

Clause 19:

Labour Laws to be complied by the Contractor. The contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971.

Clause 19 C	Authority to decide penalty for each default	:	Executive Engineer, Guwahati, CPWD, Bamunimaidan, Guwahati-21
Clause 19 D	Authority to decide penalty for each default	:	Executive Engineer, Guwahati, CPWD, Bamunimaidan, Guwahati-21
Clause 19 G	Authority to decide penalty for each default	:	Executive Engineer, Guwahati, CPWD, Bamunimaidan, Guwahati-21
Clause 19 K	Authority to decide penalty for each default	:	Executive Engineer, Guwahati, CPWD, Bamunimaidan, Guwahati-21

The Contractor shall also obtain a valid license under the said Act before the commencement of the work, and continue to have a valid license until its completion.

Clause 25

Constitution of Dispute Redressal Committee:

Sl. No.	Description of DRC	Members
1.	Conciliator	ADG(RG)
2.	Arbitrator Appointing Authority	CE, Guwahati
3.	Place of Arbitration	Guwahati

Clause 36**Requirement of Technical Representative (s) & recovery Rate**

Sl. No	Minimum Qualification of Technical representative	Number (of Major + Minor component)	Minimum Experience(years)	Designation (Principal Technical / Technical representative)	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
					Figures	Words
1.	Graduate Engineer or Diploma Engineer	1	2 or 5 years respectively	Project Manager cum planning/ quality/ site/ billing Engineer	Rs.15,000/- per month	Rs. Fifteen Thousand only per month

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Diploma Engineer with minimum 10 years relevant experience with a reputed construction co. can be treated at par with graduate engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause 38

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 modified / corrected up to date printed by CPWD.

(ii) Variations permissible on theoretical quantities.

(a)	Cement		
	For works with estimated cost put to tender not more than Rs. 25 lakh.	:	3% plus / minus
	For works with estimated cost put to tender more than Rs. 25 lakh.	:	2% plus / minus
(b)	Bitumen All Works 2.5% plus & only &	:	2.5% only and nil on minus side
(c)	Steel reinforcement and structural steel sections for each diameter, section and category.	:	2% plus / minus
(d)	All other materials.		Nil

Part - 'B'

GENERAL CONDITIONS

1. Unless otherwise provided in the Schedule of quantities the rates quoted by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building, working in or under water and/ or foul conditions and nothing extra shall be payable to him on this account. Payment for centring, shuttering, however if required to be done for floor-to-floor heights greater than 3.5 m shall be admissible at rates arrived at in accordance with clause-12 of the agreement if not already specified.
2. The contractor shall make his own arrangement for T & P, Electricity & Water required for the execution of the work for which nothing shall be paid, **If contractor used departmental /client's water & electricity then recovery shall be made @2% (1% for water + 1% for electricity) of tender amount/final bill amount, whichever is more.**
3. Other agencies doing works related with this project will also simultaneously execute the 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 other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
4. Some restrictions may be imposed by the client department on the working and for movement of labour, materials etc. the contractor shall be bound to follow all such restriction/ instructions and nothing extra shall be payable on this account.
5. (a) The building work will be carried out in the manner complying in all respects with the requirements of relevant by laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
 (b) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bye-laws and specifications of the Municipal Body/ Corporation where C.P.W.D. specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/ Corporation Authorities wherever required at his own cost.
 (c) The contractor shall comply with legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.
6. The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
7. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra shall be payable (or) extra cement considered in consumption on this account.
8. **Testing of materials: Samples of various materials required for testing from approved labs shall be provided free of charge by the contractor. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.**
9. The structural and architectural drawings shall at all times be properly co-related before executing any work. However, in case of any discrepancy, the same may be got rectified before execution.
10. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department or procured by the contractor and nothing extra shall be payable to the contractor on their accounts.
11. The full nomenclature of items shall be adopted in preparing abstract of final bill in the measurement book and also in the bill form for final bill.
12. The bidder shall abide by the rules and regulations under relevant GST, as amended from time to time and deductions shall be made from the gross value of the work done from all bills as per the provisions of above stated Acts. Nothing extra on account of this deduction shall be paid.
13. The contractor will have to work according to the program of the work given by the contractor and/ or decided by the Engineer-in-Charge. The contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-Charge and this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim what

so ever beyond the payments due at agreement rates will be entertained from the Contractor on this account.

14. The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services of compound walls are to be constructed.
15. If as per municipal rules or client requirement, the huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and client and nothing extra shall be paid on this account.
16. Cement bags shall be stored in separate godowns to be constructed by contractor at his own cost as per sketch which is only indicative and actual size will depend on the site requirements as per CPWD Specification 2019 (Vol. I) with correction slips up to last date of submission of bid and R.C.C. work in pursuance (IS: 456-2000) with weather proof roof and walls. Each godown shall be provided with a single door with two locks.
17. The contractor shall be fully responsible for the safe custody of the materials even if the materials are under double lock system.
18. Contractor shall bear all incidental charges for cartage, storage and safe custody of materials and shall construct suitable godowns, yards at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.
19. All materials shall be got checked by the Engineer-in-Charge or his representative of the works on receipt of the same at site before use.
20. Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle, sand and bajri etc. collected by him for the execution of the work, direct to the Revenue Authority or authorized agent of the State Government concerned or Central Government.
21. Drilling holes to secure fastener/ screws in walls and chase cutting in the walls wherever necessary shall be done by mechanical means i.e. by hammer drill machine & the chase cutting machine respectively for which nothing extra will be paid to the contractor.
22. The Contractor shall prepare and supply three sets of the completion drawings of all the external and internal plumbing, water supply, sanitary, drainage, electrical and other specialized works including all other services and completion plan of the building on completion of the services, to the Engineer-in-charge. One soft copy or hard copy of the relevant Architectural drawing for enabling the contractor to prepare the completion drawings shall be made available by the Engineer-in-Charge.
23. Brand and trade name of the paint to be used in the work shall be got approved in writing from the Engineer-in-Charge before application of the samples of different shades. After the written approval of the Engineer-in-Charge about brand, trade name, sample and shades of the paints the contractor shall make bulk procurement of the paint. Before start of the item of painting, the original purchase vouchers, delivery challan of purchase of full quantity of paint materials shall have to be produced by the contractor to the Engineer-in-Charge. The contractor shall bring full quantity of required painting material at site and get it inspected from the Engineer-in-Charge before start of the item of painting.
24. Cutting of centrifugal cast (spun) iron pipes wherever required shall be done by electric machine. Pipes of different lengths as required will be brought to site.
25. Element of reinforcement as per standard design is included in the item of brick masonry manholes. Therefore, the reinforcement used in the manholes shall not be separately measured for payment under the item of reinforcement.
26. **Online Delay Control System in CPWD Works Manual 2019, Para 5.15.3**
 - (i) The contractor has to first register himself through a registration form available on CPWD website under 'Contractor Login" tab. After registration, User ID and Password will be automatically generated and sent on his registered mobile and email ID. Using this User ID and Password he can access the module and view all the works which are being carried out by him in CPWD and he can register the hindrance against any particular work. After recording the hindrance by the contractor, it will be visible to all concerned officers (JE and above) of that work. An alert through text message and email will be sent to EE.
 - (ii) Executive Engineer will first assign the work to the JEs / AEs will give their comments on the hindrance within 2 days. After that, Executive Engineer of the work will have to take

appropriate action on the hindrance within next 2 days. The comments of JEs/AEs will not be visible to contractor, only the decision of Executive Engineer on the hindrance will be visible to contractor under 'Decision of the Engineer-in-charge'.

27. TESTING OF MATERIAL

- (a) The contractor shall procure all the materials in advance so that there is sufficient time for testing, approving of the material and clearance of the same before use in work.
 - (b) In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compression strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same proper curing and carriage up to the laboratory where the test is to be performed. The cube tests can be performed at any laboratory approved by the Engineer-in-Charge.
- 28.** Time allowed for execution of the work provided in clause 5 of Schedule 'F' is inclusive of the time required for any kind of testing of materials and preparation of Design mix of cement concrete for all R.C.C. work, time required for initial load testing / routine load testing of piles and time required for testing of weld etc.

29. Third Party Quality Assurance

The department may decide to engage third party quality assurance system and the contractor shall render all the necessary assistance and render arrangement for the inspection of work similar to clause 16 of agreement. Contractor shall be responsible to attend defect pointed out by CPWD/Third Party Inspection/Client through CPWD even after declaring the building completed. Contractor is responsible to attend the defects pointed out by CPWD or client during defect liability period/guarantee period.

30. Special conditions for Q.A. Plan.

Maintenance of Register of Tests:-

- (i) All the registers of tests carried out at Construction site or in outside laboratories is to be maintained by the contractor which will be issued to the contractor by Engineer-in-charge.
- (ii) All Samples of materials including cement concrete cubes shall be taken jointly with contractor by JE. Out of this at least 50% samples shall be taken in presence of JE/AE in charge. If there is no JE, all Samples of materials including cement concrete cubes shall be taken by AE jointly with contractor. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he/see shall be responsible for safe custody of samples to be tested at site.
- (iii) All the test in field lab setup at construction site shall be carried out by the Engineering Staff deployed by the contractor which shall be 50% witnessed by JE/AE/EE.
- (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same will be regularly reviewed by JE/AE/EE. Contractor shall be responsible for safe custody of all the test registers.

31. Special Condition for Royalty:

1. Schedule rates are inclusive of royalty. Royalty deduction shall be made from the all running & final bill as per provision of mines and mineral act of Assam Government. Nothing extra shall be paid on this account.

ADDITIONAL SPECIFICATIONS

1.1 GENERAL

- 1.2 The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).
- 1.3 The following modifications in the above specifications and some additional specifications shall however apply:
- i) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries or any other source to be got approved by the Engineer-in-Charge.
 - ii) Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality. Sand shall be obtained from approved source or any other source to be got approved from the Engineer-in-Charge and screened as required. The same shall consist of hard siliceous material. It shall be clean sand.
- 1.4 Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to revision thereof if, any, up to the date.
- 2.0 **Unless otherwise specified in the schedule of quantities the rates for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source, such as rains, floods, and sub-soil water level being high due to any other cause whatsoever.**

3.0 Mix design.

- A. The contractor shall carry out design mixes for each class of concrete meeting the requirements as per specification.
- B. The contractor shall submit proposal of mix designs, one month in advance to commencement of concreting work and charges for design mix shall be borne by the contractor.
- C. The R.C.C. work shall be done with Design Mix Concrete unless specified. In the nomenclature of items, wherever letter M has been indicated, the same shall imply for the Design Mix Concrete. For the nominal mix in RCC, CPWD specifications shall be followed. The Design Mix Concrete will be designated based on the principles given in relevant IS: code. The contractor shall design mixes for each class of concrete indicating the concrete ingredients and proportions that will result in concrete mix meeting requirements specified. In case of use of admixture and or white cement, the mix shall be designed with these ingredients as well. The admixtures shall conform to relevant IS code. The contractor shall not be paid anything extra for admixture required for achieving desired workability.
- D. Cement shall be of PPC grade and shall conform to relevant IS code.

4.0 Outside/Independent Testing Facilities

- a) These laboratories shall be in the Government sector, Semi Government or private sector. **All govt. Institutes, Central and State research Centers, Central and State funded laboratories stands approved. No approval is required for testing in these laboratories/institutes.**
 - b) However, the outside private laboratories shall be approved by Chief Engineer, Guwahati.
- 4.1 In case of rejection of concrete on account of unacceptable compressive strength, governed by the Para "Standard of Acceptance" as above, the work for which samples have failed shall be redone at the cost of contractors. However, the Engineer- in- Charge may order for additional tests (like cutting cores, ultrasonic pulse velocity test, load test on structure, or on part of structure, etc.) to be carried out at the cost of contractor to ascertain if the portion of the structure wherein concrete represented by the sample has been used, can be retained on the basis of results of individual or combination of these tests. The contractor shall take remedial measures necessary to retain the structure as approved by the Engineer-in-Charge without any extra cost. However, for payment, the basis of rate payable to the contractor shall be governed by the 28 days cube test results and reduced rates shall be regulated in accordance as per provision in CPWD specifications and conditions cited in this bid document.

5.0 WOOD WORK

The samples of species of timber to be used shall be deposited by the contractor with the Executive Engineer before commencement of the work. The contractor shall produce cash vouchers and certificate from standard kiln seasoning chemically pressure treatment plant operators about the timber section to be used on the work having been kiln seasoned chemically pressure treated by them, failing which it would not be to accept as kiln seasoned & chemically pressure treated.

- 5.1 Factory made shutter, as specified shall be obtained from factories approved by the Chief Engineer and shall conform to IS: 2202 (Part-I) 1977. The contractor shall inform well in advance to the Engineer-in-Charge the names and address of the factory where from the contractor intends to get the shutters manufactured.

The contractor will place order for manufacture of shutters only after written approval of the Engineer-in-Charge in this regard is given. The contractor is bound to abide by the decision of the Engineer-in-Charge and recommend a name of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutters will, however, be accepted only, if this meet the specified tests. The contractor will also arrange stage-wise inspection of the shutters at factory by the Engineer-in-Charge or his authorized representative. Contractor will have no claim if the shutters brought at site are rejected by Engineer-in-Charge in full lot due to bad workmanship/quality. Such shutters will not be measured and paid and the contractor shall remove the same from the site of work within 7 days after the written instructions in this regard are issued by Engineer-in-charge or his authorized representative.

- 5.2 Original purchase vouchers and delivery challan from the factory in support of having purchase the factory-made door shutters from the approved factory, shall have to be produced to the Engineer-in-Charge for verification and for record.

6.0 STEEL WORK:

- 6.1 The steel doors, windows, ventilators and composite units shall be got fabricated in Work shop approved by the Chief Engineer concerned.

7.0 WATER SUPPLY SANITARY INSTALLATION

- 7.1 SCI/PVC pipe and G.I/UPVC pipe wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs and nothing extra shall be paid for this.
- 7.2 The contractor shall be responsible of the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferages and breakage during the period of installation and thereafter until the building is handed over.
- 7.3 Sunken Flooring: The rate of items of flooring is inclusive of providing sunk flooring in W.C, bathrooms, kitchen etc. and nothing extra on this account is admissible.

8.0 VARIATION IN CONSUMPTION OF MATERIALS

The variation in consumption of material shall be governed as per CPWD specification 2019 Vol. I & II with correction slips up to date and clauses of the contract to the extent applicable. The following specific clauses shall govern the variation in consumption of pig lead.

9.0 INTEGRAL WATER PROOF FINISHING:

The contractor must associate himself with the specialized firm to be approved by the Engineer-in-Charge in writing, for integral cement based water proofing treatment for sunken floors, roofs etc. **Five years Guarantee Bond to be given by the agency from the date of completion in prescribed proforma. In addition to normal security deposit, 10% (ten percent) of the cost of Water proofing items shall be retained as guarantee money to watch the performance of the work done.** If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days and if not attended, the same will be got done by the Engineer-In-Charge through another agency at the risk and cost of the contractor.

Before execution of the items of integral water proofing treatment, the contractor must submit the following details and get the same approved by the Engineer-in-Charge.

- a) The name of the specialized firm
- b) The trade names of the product which could be used;
- c) List of works where this treatment has been used.
- d) Quantity of chlorides and sulphides used in the product.
- e) **The agency must bring 100% of the required chemical/material for waterproofing at site, as per theoretical consumption, after getting it approved in writing by the Engineer-in-Charge. Only after this, the agency can start the waterproofing work.**
- f) **The waterproofing work should be done only by the authorized applicator of the water proofing chemical manufacturer company or by the company itself.**

10.0 MARBLE/GRANITE STONE SLABWORK

- 10.1 In the event of non-availability of 18mm thick marble stone for flooring, 16mm thick marble stone can be permitted. In that event, 22mm thick base cement mortar shall have to be provided in place of 20mm thick base cement mortar for which nothing extra shall be paid. However, deduction for the less thickness of marble stone slab shall be made.
- 10.2 Flooring work is to be executed as per flooring pattern shown in Arch. drawings and as per direction of Engineer-in-Charge for which nothing extra will be paid.
- 10.3 The size of tiles/marble stone/Granite stone in dado/skirting is to be provided as shown in Architectural drawings.
- 10.4 For providing granite stone in counters, window sills, kitchen platforms and other similar locations, the rate shall deemed to include mirror polished of the free/ exposed edges which shall have to be done and nothing extra shall be paid on this account. Further for granite stone up to 2 metre, for treads of steps and risers, kitchen counters, window sills and any other locations wherever decided by the Engineer-in-Charge, single stone shall be used for which nothing extra shall be paid.
- 10.5 The colour and shade of the granite and granite tiles shall be decided by the Engineer-in-Charge. No epoxy / colour coated granite shall be permitted.

11.0 CONDITIONS FOR CEMENT

- 11.1 Supply of cement (PPC) shall be taken in 50 Kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, 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 Engineer-in-Charge to do so.
- 11.2 The cement shall be brought at site to bulk supply of approximately 20 tonnes or as decided by the Engineer-in-Charge
- 11.3 The actual issue and consumption of cement on work shall be required and proper accounts maintained as provided in clause 38 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in the contract or as per other condition/ specification of the bid documents if otherwise applicable.
- 11.4 The cement brought to the site and cement remaining unused after completion of the work shall not be removed from site without written permission of the Engineer-in-Charge.
- 11.5 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

12.0 CONDITIONS FOR STEEL

- 12.1 The contractor shall procure TMT bars of Fe 500 D or more of Primary producers.
- 12.2 The contractor shall obtain & furnish test certificate to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work.

- 12.3 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under Para 14.1 above, the same shall be rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.
- 12.4 The steel reinforcement shall be brought to the site in bulk supply of 20 tons or more as decided by Engineer-in-Charge.
- 12.5 Steel reinforcement (TMT bars) shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bar of different sizes and length shall be store separately to facilitate easy counting and checking.
- 12.6 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories.
- 12.7 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 38 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment needs to be made.
- 12.8 The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.
- 12.9 Before placing the reinforcement bars in position, contractor shall submit the bar bending schedule indicating the shape of bar, type/ designation of bar, number of bars, the diameter bars, quantity of reinforcement etc., as per structural drawing for approval by the Engineer-in-Charge in writing. After the approval of the bar bending schedule by the Engineer-in-Charge, the reinforcement shall be placed in position and thereafter it shall be measured in the measurement book and got test checked of its accuracy before embedding or before placing it beyond the reach of measurement, from the Engineer-in-Charge or his authorized representative. Similar action shall also be taken for all other hidden items. It will be the responsibility of the contractor to bring out to the notice of the Engineer-in-Charge the deviations, if any giving the details of the measurements with locations for approval of the competent authority immediately after it is detected or foreseen.
- 13.0** The MAS Register should include following details at the time of supply / issue of the plants and other materials:
- The details of bills / challans in respect of supply of the plants and other materials.
 - The details about transportation of the materials / plants at site like Vehicle / Lorry registration no.
 - Specific location where material / plants displayed / delivered / issued.
 - Proforma for MAS Register is given :

1.	Section / Sub-Division	:							
2.	Name of Work :	:							
3.	Name of Article / Item	:							
4.	Estimated Requirements	:							
5.	Issue Rate:	:							

Sl. No.	Date of Receipt (Details of Challan / Bills, Specific location where Plants and Materials received / Vehicle No.	Received from / Issued to	Quantity Received	Date of issue	Specific location where Plants & Materials Displayed / Delivered / Issued	Quantity issued	Balance Quantity	JE/SO (H)/AE/AD(H) (or equivalent) initials	Remarks
1.									

- 14.0** All works carried out as per CPWD Specifications 2019 Vol – I, Vol - II & **DSR2023** Vol I, Vol II in roads works morth specification also be followed.

Special Conditions

1. The tenderer should, in his/ her own interest, visit the site and familiarize himself with the site conditions before tendering

General security restrictions are given as under :

- a) No inflammable materials including P.O.L. shall generally be stored at site of work.
- b) The movement of trucks and vehicles will be regulated in accordance with rules and regulations as approved by competent authorities.
- c) The contractor shall inform in advance, the truck registration number, Ownership of the trucks, names and address of the drivers and labours for necessary action by the security agency.
- d) Due to the site conditions, no space for construction of go down and stay of site staff may be allowed.
- e) Names and addresses of labourers/staff along with identity proof and residence address proof etc. working at site shall be furnished in advance for security verification for issue of passes.
- f) The labourers /staff should not be changed too frequently once the verification of the character and antecedents is done.
- g) If any labour is absent on working day(s), then the agency yet to be depute substituted labor instead of the absent one. Otherwise, 2 times of labour payment/ per day shall be deducted from the bill.
- h) As and when there will be security requirements, certain additional restrictions can be proposed as per the requirement of the situation.
- i) **IDENTITY CARDS:** - The identity cards will be issued to the workmen employed by the contractor after proper police verification for which Contractor shall submit a list of worker's to be deployed on site of work. The cost of photos would be borne by the contractor. They will be required to carry the identity- cards with them during their working inside the building.

2. Safety Codes and Labour Regulations:-

- i) In respect of all labour employed directly or indirectly on the work for the execution of the work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provision, B.I.S. recommendations, factory act, and workman's compensation act. CPWD code and instructions issued from time to time. Failure to provide such safety requirements would make the tenderer liable for penalty. In addition the Engineer-in- charge, shall be at liberty to make arrangements and provide facilities as aforesaid and recover the cost incurred thereon from the contractor.
- ii) The contractor shall provide necessary barriers, signals and other safety measures wherever necessary so as to avoid accident. He shall also indemnify CPWD against claims for compensation arising out of negligence in this respect. Contractor shall be liable, in accordance with the Indian law and Regulations for any accident occurring due to any cause. The department shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor to cover the risk. No extra payment would be made to the contractor due to the above provisions thereof.

3. The complaints shall be attended within 24 hours or in the stipulated time periods depending upon nature of complaints or as per direction of Engineer- in- charge.
4. No. T & P shall be supplied by the department and shall be arranged by the contractor it self only.
5. Contractor have to maintained a complaint lodging register with time of receipt, type of complaints, assigned to whom and the status of complaints done or not. If no then why?
6. Mason/ Plumber / Carpenter / Sewerman have to Carry a diary in which the details of lodged complaints which have to be done will get the signature of allottee / officer in-charge after getting the successful completion of complaint.
7. Labour should always bear a proper uniform & with name of their name & designation at the time of attending complaints.
8. Photo copy of attendance register of the labours engaged to attend the complaints should be made available with all R/A bill and original with final bill at the time of payment to the contractor with the test check of AE concerned on register.
9. Materials issue to the workmen attending the complaints should be clearly mentioned in the MAS account register & a copy of material issued should be submitted with the R/A / or Final bill.
10. Skilled labour / Beldar/ helper / engaged on the work should correlated of complaint lodged and material issued on that specific complaints.
11. Agency shall maintain a daily attendance register of all the workers deployed and a copy to be attached with RA bill.
12. **All the dustbin shall be cleaned & washed on daily basis and shall be dumped into the GMC designated dustbins.**
13. Common areas such as staircases, roads etc shall be cleaned including disposal of rubbish clay, malba etc to Municipal dustbin etc. on daily basis.
14. **Dusting of all the windows ,railing and doors shall be done properly on daily basis.**
15. **If cleaning not done satisfactorily than suitable recovery shall be made as per the direction of Engineer-in-charge.**
16. **Regarding Supply of procurement Materials: -**
 - a) The material shall be supplied at any Enquiry office or at site within the jurisdiction of Guwahati Division, CPWD, Guwahati-21and nothing extra shall be paid.
 - b) Before making supply, the contractor shall be required to get the sample approved by the Engineer-in-Charge.
 - c) Any damage due to handling in transit shall be born by the contractor and nothing shall be paid extra for handling.
 - d) No sketch or design shall be supplied by the department.
 - e) No deviation in quantities will be allowed without approval of Executive Engineer.

OTHER CONDITIONS:

1. The contractor will have to work according to the programme of the work, decided by the Engineer-in-Charge. The contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge and this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim what so ever beyond the payments due at agreement rates will be entertained from the Contractor on this account.
2. The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services of compound walls are to be constructed.
3. If as per municipal rules the huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
4. The contractor shall be fully responsible for the safe custody of the materials even if the materials are under double lock system.
5. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials and shall construct suitable godowns, yards at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.
6. All materials shall be got checked by the Junior Engineer-in-Charge of the works on receipt of the same at site before use.
7. In the process of cleaning of manhole/ septic tank, contractor should personally supervise the work done all the time and the contractor should make the adequate safety of their worker by providing safety kit, oxygen cylinder, ventilation duct, helmet, rope, hook, gumboot etc.
8. Sludge/ malba received from septic tank/ manhole should properly disposed off to the approved municipal dumping ground.
9. Cleaning of OHT/Sump tank should be done in the presence of authorised representative of the client department and a programme / date of cleaning should be intimated to them well in advance.
10. After cleaning the OHT/ sump tank date of cleaning should be written by the Synthetic enamel paint on the surface of the tank.
11. Cleaning and moping of toilet every two hours including maintaining cleaning log books and pasting the same on toilet door daily.
12. Brand and trade name of the paint to be used in the work shall be got approved in writing from the Engineer-in-Charge before application of the samples of different shades. After the written approval of the Engineer-in-Charge about brand, trade name, sample and shades of the paints the contractor shall make bulk procurement of the paint. Before start of the item of painting, the original purchase vouchers, delivery challan of purchase of full quantity of paint materials shall have to be produced by the contractor to the Engineer-in-Charge. The

contractor shall bring full quantity of required painting material at site and get it inspected from the Engineer-in-Charge before start of the item of painting.

13. Contractor shall co-ordinate/ cooperate with client for shifting of office / residential furniture etc. nothing extra shall be made for this account.
14. The furniture / Almirah etc. shall be shifted by contractor during the work and nothing extra shall be paid to contractor.
15. All splashes of paint etc. shall be cleaned from doors, windows, furniture, floors etc. by the contractor properly.
16. The pre intimation, regarding the painting work, shall be intimated to client and engineer-in-charge well in advance.
17. Necessary safety precautions, regarding safety of all office records/ goods / house holds etc. shall be taken by contractor.

Schedule of Quantity

Name of Work :- Upgradation of Staff Quarters of CPWD at Bamunimaidan Residential Colony, Guwahati-21

S. No	Description Items	Qty	Unit	Rate	Amount	
1	Cladding Work					
1.1	Providing and fixing 1st 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, including pointing in white cement mixed with pigment of matching shade complete.	157.00	sqm	1267.95	199068.00	
2	Wood and P.V.C. Work					
2.1	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel					

	reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS:16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for: (i) Sites with basic wind speed > 45 m/sec as per IS 875 - Part 3 (ii) Sites with structure height more than 20m for all wind speeds.					
2.1.1	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.					
2.1.1.1	Using R3 series with frame (98mm & above) x (40mm & above) & both glazed and fly screen sash (30mm & above) x (55mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system, (Height upto 1.8m).	36.00	sqm	10874.20	391471.00	
2.2	Ventilator Casement window single panel with or without fixed panel with S S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles.					
2.2.1	Using R2 series with frame (39mm & above) x (39mm & above) & sash /mullion (39mm & above) x (60mm & above). (Height upto 1.2 meter)	4.00	sqm	12254.90	49020.00	
2.3	Using R3 series with frame (55mm & above) x (45mm & above) & sash /mullion (55mm & above) x (65mm & above). (Height above 1.2 meter)	4.00	sqm	11919.85	47679.00	
3	Steel Work					
3.1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	400.00	kg	133.70	53480.00	
4	Flooring					

4.1	Providing and laying Vitrified tiles in floor 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, laid on 20 mm 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					
4.1.1	Double charge vitrified tile polished finish of size					
4.1.1.1	Size of Tile 600 x 600 mm	128.00	sqm	1453.65	186067.00	
4.2	Glazed Vitrified tiles Matt/Antiskid finish of size					
4.2.1	Size of Tile 600 x 600 mm	15.00	sqm	1464.85	21973.00	
5	Repairs to Buildings					
5.1	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or re-plastering including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	35.00	sqm	72.45	2536.00	
5.2	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in- charge.	16.00	each	433.75	6940.00	
6	Dismantling and Demolishing					
6.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :					
6.1.1	Of area 3 sq. metres and below	24.00	each	367.20	8813.00	
6.1.2	Of area beyond 3 sq. metres	4.00	each	502.75	2011.00	
6.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
6.2.1	For thickness of tiles 10 mm to 25 mm	80.00	sqm	73.40	5872.00	
7	SANITARY INSTALLATIONS					

7.1	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	4.00	each	1034.80	4139.00	
7.2	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.					
7.2.1	Flexible pipe					
7.2.1.1	32 mm dia	8.00	each	119.55	956.00	
7.3.	Providing and fixing 600x450 mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	4.00	each	1607.95	6432.00	
7.4	Providing and fixing soil, waste and vent pipes :					
7.4.1	100 mm dia					
7.4.1.1	Sand cast iron S&S pipe as per IS: 1729	40.00	Mtr	1151.90	46076.00	
7.5	Providing and fixing plain bend of required degree.					
7.5.1	100 mm dia	16.00	each	470.45	7527.00	
7.6	Providing lead caulked joints to sand cast iron/centrifugally cast(spun) iron pipes and fittings of diameter :					
7.6.1	100 mm	32.00	each	622.50	19920.00	
8	WATER SUPPLY					
8.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. : Internal work - Exposed on wall					
8.1.1	15 mm nominal outer dia. Pipes.	140.00	mtr	286.80	40152.00	
8.2	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 : External work					

8.2.1	25 mm nominal outer dia. Pipes.	20.00	mtr	355.40	7108.00	
8.2.2	50 mm nominal outer dia. Pipes.	24.00	mtr	794.25	19062.00	
8.3	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 :					
8.3.1	25 to 40 mm nominal bore	16.00	each	911.90	14590.00	
8.4	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :					
8.4.1	25 mm nominal bore	16.00	each	464.05	7425.00	
8.5	Providing and fixing uplasticised PVC connection pipe with brass unions :					
8.5.1	45 cm length					
8.5.1.1	15 mm nominal bore	140.00	each	97.75	13685.00	
8.6	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.					
8.6.1	15 mm nominal bore.	16.00	each	820.70	13131.00	
8.7	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 :					
8.7.1	15mm nominal bore	20.00	each	574.30	11486.00	
9	Water Proofing					
9.1	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying: (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into	35.00	sqm	688.90	24112.00	

	groove in parapet all around. (d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.					
10	New Technologies And Materials					
10.1	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/ window/ Ceosetory windows & 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 ² , modulus of elasticity 900 N/mm ² 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.					
10.1.1	Frame size 45 x 70 mm	136.00	mtr	705.85	95996.00	
10.2	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 ² , modulus of elasticity 850 N/mm ² 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)					
10.2.1	30 mm thick	105.00	sqm	4346.70	456404.00	
	Total			Rs.	1763131.00	
	Multiply by factor @ 0.973 on DSR'23 on account of GST			x	0.973	
	Modified Estimate Cost			Rs.	1715526.00	
	Add Cost index 19 %			Rs.	325950.00	
	Sub Total (Cost of Schedule Items)			Rs.	2041476.00	(A)
	NON SCHEDULE ITEMS					
11.1	Providing and Fixing Hand Shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook of Jaquar make (Code:. ALD CHR-573) or equivalent as per direction of Engineer-in-charge.	4.00	each	2021.50	8086.00	
11.2	Providing and fixing Single Towel Rail 600mm long of Jaquar make (Code: CAN-CHR-1111SM) or equivalent fixed to wooden cleats with CP brass screws with concealed fittings arrangement as per direction of Engineer-in-charge.	4.00	each	2083.95	8336.00	
11.3	Providing and fixing Towel Ring Square with Round Flages of Jaquar make (Code: CAN-CHR-1121N) or equivalent as approved by Engineer-in-charge.	4.00	each	2123.10	8492.00	
11.4	Providing and fixing glass shelf 600mm long of Jaquar make (Code: CAN-CHR-1171N) or equivalent with CPB brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. complete as approved by Engineer-in-charge.	4.00	each	2293.00	9172.00	
11.5	Providing and fixing Frosted Soap Dish Holder of Jaquar make (Code: CAN-CHR-1131N) or equivalent as approved by Engineer-in-charge.	4.00	each	962.90	3852.00	
11.6	Providing and fixing toilet Roll holder of Jaquar make (Code No. : AKP-CHR-	4.00	each	1841.40	7366.00	

	35751P) or equivalent as approved by Engineer-in-charge.					
11.7	Providing and fixing C.P. brass Two Way Bib Cock with Wall Flange of Jaquar make (Code: FUP-CHR-29041PM) or equivalent of approved quality all complete as per the direction of Engineer in charge a) 15 mm nominal bore	4.00	each	2766.25	11065.00	
11.8	Providing and fixing Wash Basin of Jaquar make (Code No. : CNS-801) or equivalent as approved by Engineer-in-charge.	8.00	each	4160.40	33283.00	
11.9	Providing and fixing Single Lever Basin Mixer of Jaquar make (Code No. : FLP-5001BPM) or equivalent as approved by engineer-in-charge.	8.00	each	7474.90	59799.00	
11.10	Providing and fixing wall mounted, (Jaquar Code No. CNS-959SPP) white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	4.00	each	20697.25	82789.00	
11.11	Providing and fixing ISI marked Stainless Steel Insect Proof 125mm X 125mm square grating for floor trap (Kich or equivalent code No. PRFD2865) as per direction of Engineer in charge:.	12.00	each	653.45	7841.00	

11.12	Providing and placing Hot compressed molded SMC (sheet molding compound) Panel Tanks as per BIS: 14399 Part-1 & 1996 Part-II. ISI Marked SMC Panel Tanks approved brands of tanks of capacity 4KL. SMC Panel Tank Base, Roof Top must have panels of size 1005mm * 1005mm & side panel 1005mmx1005mm or 1005mmx2010mm. One manhole of diameter 600mm should be provided on the roof of tank with lockable lid along with all tank. All Panels Top, Bottom & Corners must be firmly joined with using predrilled SMC corner Angles 75mmx75mmx1005mm long & minimum 10mm thick. All the metal accessories must be as per BIS standard. The panel should stand with Hydrostatic pressure of at least 4 times the working load and should be provided with Olive Green/HDG green nuts bolts from outer part of tanks of the tank, food grade foam gasket 75mm & 3mm thick, cover washer, cleats, including PVC/FRP support for the roof top panels and FRP ladder of approved design and height of inside and outside tank. Tank shall be erected on steel base on a Metal staging height of as per site requirement (The price & material selection of MS Staging in scope of Contractor/ Engineer in charge) Metal staging to be prepared at site as per manufacturer's tanks specifications & design. Provision of holes for inlet and outlet, overflow should be made as per direction of Engineer-in-charge.	8000.00	Ltrs	22.97	183760.00	
	Sub Total (Cost of Non Schedule Items)			Rs.	423841.00	(B)
	TOTAL (A+B)			Rs.	2465317.00	