

Government of NCT of Delhi
Public Works Department

NIT No:/SE/Edu M/Unit-III/PWD/2026-27

Name of Work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

NIT

PUBLIC WORKS DEPARTMENT
O/O SUPRINTENDING ENGINEER, EDUCATION MAINTENANCE CIRCLE
UNIT-III, PWD (GNCTD)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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COMPOSITE NOTICE INVITING TENDER

N.I.T. No./SE/Edu M/Unit-III/PWD/2026-27

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

Estimated Cost	For Civil Work: -	₹ 8,23,53,135/-
	For Electrical & other works: -	₹ 4,84,942/-
	Total: -	₹ 8,28,38,077/-
Earnest Money	₹ 16,56,762/-(In favour of Executive Engineer, CBMD M-122 (N), PWD, Delhi)	
Performance Guarantee	(i) 5% of Estimated Cost put to tender (ECPT) or Contract Amount whichever is higher. (ii) Additional Performance Guarantee (APG) if quoted bid amount is lesser than 80% of the ECPT as per circular no. DG/Manual-2024/20 dated 27.02.2026. (APG = 0.80x Estimated Cost-Tendered Cost)	
Security Deposit	2.5% of tendered value	
Time Allowed	90 Days	

**Assistant Engineer (P) (Civil)
Edu M (West) PWD, Delhi**

**Assistant Engineer (P) (Elec)
Education Division M-1**

**Executive Engineer(Civil)
Edu M (West) PWD, Delhi**

**Executive Engineer (Elec)
Education Division M-1**

**Assistant Engineer (P)
Education, Unit-III, PWD, Delhi**

Certified that this NIT containing pages 1 to 97 amounting to Rs. **8,28,38,077/- (Rupees Eight Crore Twenty Eight Lakh Thirty Eight Thousand Seventy Seven Only)** is hereby approved.

Superintending Engineer
Education, Unit-III PWD, Delhi

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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INDEX

Name of work :Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

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Certified that this N.I.T. Contains 01 to 97 Pages.

“NIT approved for Rs. 8,28,38,077/- (Rupees Eight Crore Twenty Eight Lakh Thirty Eight Thousand Seventy Seven Only)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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PART-A

**PUBLIC WORKS DEPARTMENT
O/O SUPRINTENDING ENGINEER, EDUCATION MAINTENANCE CIRCLE
UNIT-III, PWD (GNCTD)**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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

(Inviting Bid in Single bid system)

The Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012. **Email ID : eewpwddelhiedm@gmail.com** on behalf of President of India invites online Percentage Rate Bids from approved and eligible contractor of CPWD as well as other (Non-CPWD) enlisted /experienced contractor who fulfill eligibility criteria for the following work through e-procurement solutions: -

S.No.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest money	Stipulated period of completion of the work	Last date & time of submission of bid, original EMD, copy of receipt of deposition of original EMD and other Document as specified in the bid document	Date and time of opening bid
1	2	3	4	5	6	7	8
1./SE/Edu(Unit-III)/PWD/2026-27	Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.	Total Estimated Cost Rs.8,28,38,077/- (Civil work : Rs. 8,23,53,135/- + (Elect. Rs.4,84,942/-)	Rs.16,56,762/-	90 Days	Up to 3.00 pm on	At 3.30 pm on

Note: 1. The work is to be carried out in 22 Nos. running schools scattered over the district. The completion cost shall in no case exceed 1.10 times of contract amount of any school. Bidders are advised to see para No. 3 and 12 of CPWD 6 and clause 12 of Schedule “F”.

Note: 2. Work in all schools has to be started/ taken up simultaneously by deploying required manpower and other resources in each school from stipulated date of start of contract.

1. Contractors who fulfil the following requirements shall be eligible to apply. **Joint ventures are not accepted.**

2. **Eligibility Criteria: -**

(A) For CPWD enlistment contractors: -

Valid CPWD Registration Certificate of appropriate category as on late date of submission of tender. In case the last date of submission of bids is extended, the enlistment of contractor should be valid on the original date of submission of bid.

In case if the original registration order validity expired before the last date of submission of tender, all the link papers/circular/orders/OMs required to establish the link of validity of registration as on late date of tender, must be uploaded in sequence to establish the validity of the registration as on last date of tender. In case of non- uploading of required documents, eligibility will not be considered.

(B) For non-CPWD and other experience contractors.

Non-CPWD enlisted contractor i.e. contractor enlisted in MES, BSNL & other state Government Department dealing with building and Roads also other experienced contractors who are not registered with any Govt. Department but who fulfill the following criteria shall also be eligible to apply.

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- (i) Should have satisfactorily completed the works as mentioned below during the last seven years ending last day of the month previous to the one in which tenders invited:
Three similar works each costing not less than **Rs. 3.32 Crore**, or two similar works each costing not less than **Rs. 4.97 Crore**, OR one similar work costing not less than **Rs. 6.63 Crore**.

Similar work shall mean works of “**Repair, Maintenance and Finishing work of Building**”.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated to the ending last day of the month previous to the one in which tenders are invited. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent as per Form- C&D Page-22, 23

In case of work being executed in other than Govt. organization by other experience contractor, then they shall also upload the TDS Certificate of the eligible similar work (Whose work experience is submitted) duly certified by CA (Form 26AS) along with work order and payment proof.

- (ii) **Turn over:** The bidder should have average annual financial turn over on **Repair, Maintenance and Finishing work of Building** should be at least 30% of the estimated cost put to tender during the immediate last three consecutive financial years i.e. Rs. 2.49 Crore The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annual (**Scanned copy of certificate from CA with Unique Document Identification Number (UDIN) to be uploaded.**) **Form-A Page 20**
- (iii) **Profit/Loss:** The bidder should not have incurred any loss (Profit after tax should be positive) in more than two years during the available last five consecutive balance sheets (Standalone Financial Statement duly certified and audited by the Chartered Accountant)
- (iv) **Banker’s Certificate of the amount equal to 40% of ECPT:** - The bidder should have banker’s Certificate from a commercial bank for Rs. 3.32 Crore or net worth certificate from CA with unique document identification number (UDIN) of minimum 10% of ECPT (Scanned copy of original to be uploaded) **Form-B & B-1, Page-21**

Note: While considering any similar work executed by applicant Firm under joint venture, the experience of the applicant Firm in that work shall be restricted to its share/ responsibilities as reflected in the Memorandum of Understanding (MoU), signed between the parties, while forming joint venture for that work, attested/notarized copy of which shall be submitted along with the technical bid.

3. The bidder is required to quote his rate in percentage above/below the estimated cost of this work.
4. 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.
5. This Information and Instructions for bidders posted on website for Pay Order shall form part of bid document.
6. Earnest Money of Rs. **16,56,762/-** in the form of Insurance Surety Bonds, Accounts Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee (drawn **in favour of Executive Engineer, CBMD M-122 (N), PWD, Delhi** payable at New Delhi 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 Executive Engineer inviting bids or division office of any

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Executive Engineer, PWD (GNCTD) Delhi 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 Lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for 90 days or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

- a. 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 <http://govtproucurement.delhi.gov.in> free of cost.
 - b. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
 - c. The intending bidder must have valid class digital signature to submit the bid.
 - d. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the comparative bid sheets.
7. Contractor can upload documents in the form of **JPG** format and **PDF** format.
8. If a tenderer 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.
9. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
- Applicants are advised to keep visiting the mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

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

(A) For CPWD enlisted contractors

- (i) Valid CPWD Registration Certificate of appropriate composite category.
- (ii) Copy of receipt of deposition of original EMD to division office of any EE/PWD, (GNCTD) along with copy of EMD **in favour of Executive Engineer, CBMD M-122 (N), PWD, Delhi (Annexure-A Page 17)**
- (iii) PAN Card issued by Income Tax Department.
- (iv) Undertaking on structural stability & sound ness as per prescribed format (Form E, P-24)
- (v) Scanned copy of undertaking as per Annexure-X Page-73.
- (vi) 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

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be taken up, or as required by GST authorities then in such a case the bidder shall scan and upload following undertaking 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.”

- (vii) Current correspondence Address and E-mail ID for proper correspondence during execution of agreement.

(B) For non-CPWD enlisted contractors i.e. contractors enlisted in MES, BSNL& other State Government Department dealing with Building and Roads and contractors not having enlistment in appropriate class in composite category of CPWD shall upload following documents:

- (i) Documents mentioned in "A" from Serial No. (ii) to (vii).
- (ii) Experience in similar nature of work during last seven years **(Form C & D Page 22-23)**
- (iii) Letter of transmittal as per Annexure-B **Page –19.**
- (iv) Affidavit for back to back as per clause 1.2 (v) of CPWD **6 Page 11.**
- (v) The TDS Certificate of eligible similar works (whose work experience is submitted) duly certified by CA (Form 26AS) along with work order and proof of order shall be uploaded (If Private works are shown in support of eligibility and the TDS amount should tally with actual amount of work done.
- (vi) Certificate of Financial Turnover from C.A.: Average Annual Financial Turnover on maintenance works should be at least 30% of the estimated cost put to tender during the immediate last three consecutive financial years i.e. Rs. 2.49 Crore. The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annum. (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded). **(Form-A Page 20)**
- (vii) Banker's Certificate or Net worth Certificate **(Form B & B-1 Page21)**
- (viii) Statement of Profit & Loss from CA.

Certified copy of all the scanned and uploaded documents as specified in CPWD-6 shall have to be submitted by the lowest bidder only, within a week of opening of tender, physically in the office of bid opening authority.

Online financial bid submitted by intending bidders shall be opened only of those bidders, whose original Earnest Money Deposit deposited with any division office of PWD, Delhi and other scanned and uploaded documents are found in order.

11. The bid submitted shall become invalid and financial bid shall not be opened if: -

- (i) The bidder is found ineligible.
- (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, PWD (GNCTD).
- (iii) The bidder does not upload all the documents (including GST Registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
- (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.

The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen on the website <https://govtprocurement.delhi.gov.in>.

**Executive Engineer
Edu M (West), PWD**

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Insertion.....Nil.....
Overwriting.....Nil.....

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CPWD-6 FOR e-TENDERING

The Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012. **Email ID :eewpwwdelhiedm@gmail.com** on behalf of President of India invites online Percentage Rate bids from approved and eligible contractor of CPWD as well as other (Non-CPWD) enlisted experienced contractor who fulfill eligibility criteria for the following work through e-procurement solutions for the work of **Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.**

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 **Total Estimated Cost: Rs.8,28,38,077/-, (Civil work: Rs. 8,23,53,135/- + Electrical work: Rs. 4,84,942/-)**. This estimate, however, is given merely as a rough guide.
- 1.2. Intending bidder is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below: -

Criteria of eligibility for submission of bid documents.

(A) For CPWD enlistment contractors: -

Valid CPWD Registration Certificate of appropriate category as on late date of submission of tender. In case the last date of submission of bids is extended, the enlistment of contractor should be valid on the original date of submission of bid.

In case if the original registration order validity expired before the last date of submission of tender, all the link papers/circular/orders/OMs required to establish the link of validity of registration as on late date of tender, must be uploaded in sequence to establish the validity of the registration as on last date of tender. In case of non- uploading of required documents, eligibility will not be considered.

(B) Conditions For Non-CPWD enlisted contractor i.e. contractor enlisted in MES, BSNL & other state Government Department dealing with building and Roads also other experienced contractors who are not registered with any Govt. Department but who fulfill the following criteria shall also be eligible to apply.

- (i) Should have satisfactorily completed the works as mentioned below during the last seven years ending last day of the month previous to the one in which tenders invited:
Three similar works each costing not less than **Rs. 3.32 Crore**, or two similar works each costing not less than **Rs. 4.97 Crore**, OR one similar work costing not less than **Rs. 6.63 Crore**.

Similar work shall mean works of **“Repair, Maintenance and Finishing work of Building”**.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated to the ending last day of the month previous to the one in which tenders are invited. This should be certified by an officer not below the rank of Executive Engineer/Project Manager or equivalent as per Form-C Page 21.

In case of work being executed in other than Govt. organization by other experience contractor, then they shall also upload the TDS Certificate of the eligible similar work (Whose work experience is submitted) duly certified by CA (Form 26AS) along with work order and payment proof.

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- (ii) **Turn over:** The bidder should have average annual financial turnover on **Repair, Maintenance and Finishing work of Building** should be at least 30% of the estimated cost put to tender during the immediate last three consecutive financial years i.e. Rs. 2.49 Crore The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annual **(Scanned copy of certificate from CA with Unique Document Identification Number (UDIN) to be uploaded.)**
- (iii) **Profit/Loss:** The bidder should not have incurred any loss (Profit after tax should be positive) in more than two years during the available last five consecutive balance sheets (Standalone Financial Statement duly certified and audited by the Chartered Accountant)
- (iv) **Banker's Certificate of the amount equal to 40% of ECPT:** - The bidder should have banker's Certificate from a commercial bank for **Rs. 3.32 Crore** or net worth certificate from CA with unique document identification number (UDIN) of minimum 10% of ECPT (Scanned copy of original to be uploaded)

Note: While considering any similar work executed by applicant Firm under joint venture, the experience of the applicant Firm in that work shall be restricted to its share/responsibilities as reflected in the Memorandum of Understanding (MoU), signed between the parties, while forming joint venture for that work, attested/notarized copy of which shall be submitted along with the technical bid.

- (v) **To become eligible for issue of bid, the bidders shall have to furnish an affidavit asunder: -**
I/We undertake and confirm that eligible similar works(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 bidding in CPWD& PWD(Delhi) 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 Earnest Money Deposit/Performance Guarantee. **(Scanned copy to be uploaded at the time of submission of 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 **90 Days** 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.

- (i) **The site is a running school and work has to be executed keeping in mind the continuation of classes with minimum disturbance. The contractor may be required to work during night hours and on holidays to achieve the desired progress and complete the work in time.**
- (ii) **Work shall be carried out on urgent basis working during day or night as per availability of site.**
- (iii) **The work is of scattered nature and is to be carried out in 22 nos. schools located in West-B education district. The list of school with tentative work to be carried out is enclosed at Page No. 75 of NIT. However, department reserve the right of withdrawing of the work of any school or**

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adding new school in the list for similar nature of work. The successful bidder shall have no claim what so ever on account of addition or deletion of work of schools.

3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <http://govtprocurement.delhi.gov.in> free of cost.
4. 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.
5. While submitting the revised bid, contractor can revise the quoted percentage any number of times, but before last time and date of submission of bid, as notified
6. Earnest Money of **Rs. 16,56,762/-** in the form of Insurance Surety Bonds, Accounts Payee Demand Draft, Fixed Deposit Receipt, Bankers Cheque or Bank Guarantee (drawn **in favour of Executive Engineer, CBMD M-122 (N), PWD, Delhi** payable at New Delhi 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 Executive Engineer inviting bids or division office of any Executive Engineer, PWD (GNCTD) Delhi 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 Lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for 90 Days or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.
7. Bids are invited in single bid stage system. The Technical bid shall be opened first on due date and time as notified hereinafter. The time and date of opening of financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
8. 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 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 and other documents scanned and uploaded are found in order.
9. The technical bid submitted shall be opened at 3:30 pm **on.....2026**
10. The bid submitted shall become invalid 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 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 **5% percentage** of the Estimated Cost to put to tender (ECPT) or Contract amount whichever is higher, or amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety contractor shall be forfeited automatically

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without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. **If quoted bid amount is lesser than 80% of the ECPT then in addition to above, an Additional PG amount equivalent to the difference between the 80% amount of ECPT and quoted amount in the form as mentioned in NIT during the submission of PG.** 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 subcontractors, 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:
Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.**

The work is to be executed in running school building. There might be restrictions in working hours keeping in view smooth running of school and safety of students. The work is of scattered nature and is to be carried out in 22 nos. schools located in West-B education district. The list of school with tentative work to be carried out with estimated cost of each school is enclosed at Page No. 16 of NIT. However, department reserve the right of withdrawing of the work of any school or adding new school in the list for similar nature of work. The successful bidder shall have no claim what so ever on account of addition or deletion of work of schools.

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A 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 bidder shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the 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 PWD Circle 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

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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 bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of financial bid. Further**
- (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date 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 or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date 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) 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.
19. This notice inviting Bid shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of: -
- a. The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b. Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

20. For composite bid

- 20.1.1 The Executive Engineer in charge of the major component will call bid for the work. The cost of bid document will be fixed with respect to the estimated cost put to tender for the composite bid.
- 20.1.2 The bid document will include following three components:
- a. CPWD-6, CPWD-7 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2020 as amended/modified up to the last date of submission of bid, including extension, if any.
- b. General/ specific conditions, specifications and schedule of quantities applicable to major component of the work.
- c. Schedule A to F for minor component of the work. (SE-I/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.
- 20.1.3 The bidders must associate himself, with agencies as per NIT conditions.
- 20.1.4 The eligible bidders shall quote % age above/below for all schedule of major component as well as for all schedules of minor components of work.
- 20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s). EE of major component will operate **Part A** and **Part B** of the agreement. EE/DDH in charge of minor component(s) shall operate **Part A** along with **Part C** of the agreement.

- 20.1.6 Entire work under the scope of bid including major and all minor components shall be executed under one agreement.
- 20.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.8 The main contractor has to associate agency(s) for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of relevant component(s).
- 20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant specialized component(s).

The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

- 20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.
- 20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer- in-charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer-in-Charge of major and minor components.
- 20.1.12 **(A). The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.**
- 20.1.1.2 **(B). Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.**
- 20.1.13 It will be obligatory on the part of the tenderer to sign the tender documents for all components before the first payment is released.

**Executive Engineer
Edu M (West), PWD**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

List of Schools for whitewash, Toilet and both repair works

Education West Division (N)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

S. No	School Name	School ID	Estimated Cost (Civil + E&M)	Scope of Work
1	SKV No. 2, Khyala, New Delhi	1514013	5816629	Painting, Toilet & Other Minor Repair
2	SV, East Punjabi Bagh, New Delhi	1515004	2245700	Painting & Other Minor Repair
3	GGSSS No. 1, Madipur, New Delhi	1515028	2530200	Painting & Other Minor Repair
4	G.Co.SSS, H-Block, Karampura, New Delhi	1516104	4442829	Toilet Repair & Other Minor Repair
5	SKV No. 2, Madipur, New Delhi	1515024	2072129	Toilet Repair & Other Minor Repair
6	GGSSS West patel nagar, New Delhi	1516141	2545100	Painting & Other Minor Repair
7	SBV Moti nagar, New Delhi	1516010	6772366	Painting, Toilet & Other Minor Repair
8	SBV Ramesh nagar, New Delhi	1516002	2462600	Painting & Other Minor Repair
9	SBV West Patel Nagar, New Delhi	1516143	8959585	Painting, Toilet & Other Minor Repair
10	SKV Moti nagar, New Delhi	1516018	1214900	Painting & Other Minor Repair
11	SKV Ranjit nagar, New Delhi	1516021	2187000	Painting & Other Minor Repair
12	SKV West patel nagar, New Delhi	1516142	2338900	Painting & Other Minor Repair
13	SKV hari nagar Clock tower New Delhi	1514021	2663222	Toilet Repair & Other Minor Repair
14	SKV rajouri garden New Delhi	1515022	4520803	Toilet Repair & Other Minor Repair
15	GGSSS raghubir nagar New Delhi	1515030	575806	Toilet Repair & Other Minor Repair
16	GBSSS shadi khampur New Delhi	1516011	4287221	Toilet Repair & Other Minor Repair
17	SKV ramesh nagar New Delhi	1516027	4395678	Toilet Repair & Other Minor Repair
18	GBSSS west patel nagar New Delhi	1516140	4006793	Toilet Repair & Other Minor Repair
19	SBV, Chand Nagar, New Delhi	1514110	4026529	Painting, Toilet & Other Minor Repair
20	SBV No. 1, Tilak Nagar, New Delhi	1514005	3652629	Toilet Repair & Other Minor Repair
21	SKV No. 3, Tilak Nagar, New Delhi	1514016	5560729	Toilet Repair & Other Minor Repair
22	SBV No. 2, Tilak Nagar, New Delhi	1514006	5560729	Toilet Repair & Other Minor Repair
	Total		82838077	

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

AE (P)

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ANNEXURE-A

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No.#..... / date#.....)

Name of Work : **Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.**

NIT No.....

1. Estimated Cost: **Rs. 8,28,38,077/-**
2. Amount of Earnest Money Deposit: **Rs. 16,56,762/-**
3. Last date & Time of submission of Bid :**Upto 3:00 PM on**

Name of Contractor :#.....

1. Form of EMD#.....
2. Amount of Earnest Money Deposit#.....
3. Date of submission of EMD.....#

Signature, Name and Designation of EMD receiving officer (EE/AE(P)/AE/AAO) alongwith Officer stamp

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

SECTION – I
BRIEF PARTICULARS OF THE WORK

1. Salient details of the work for which bids invited are as under:

S.No.	Name of Work	Estimated Cost	Period of Completion
1.	Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.	Total Estimated Cost :- ₹8,28,38,077/- (Civil work : ₹8,23,53,135/- + Electrical work : ₹4,84,942).	90 Days

The sites of work are situated **at Sheet Attached** under jurisdiction of Executive Engineer, Education M (New Delhi), PWD, Delhi **Email ID:ewpwddelhiedm@gmail.com**

Work shall be executed according to General Conditions of Contract 2023 for Maintenance works **with correction slips/amendments issued up to the last date of submission of tender including extension, if any.**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

**SECTION-III
INFORMATION REGARDING ELIGIBILITY
LETTER OF TRANSMITTAL**

[On the letterhead paper of the bidder, or partner responsible including full postal address, telephone no., fax no. and E-Mail and communicable address]

No.-----

Date:

To,

Executive Engineer,
The Executive Engineer,
PWD, Education West Division,
I.T.I Pusa campus New Delhi-110012.

Name of Work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

Sir,

Having examined the details given in press Notice and bid document for the above work, I / We hereby submit the relevant information.

1. I / We hereby certify that all the statements made and information supplied in the enclosed forms A to H and accompanying statement are true and correct.
2. I / We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I / We submit the requisite certified Solvency Certificate and authorize the **The Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012** to approach the Bank issuing the Solvency Certificate to confirm the correctness thereof. I/ We also authorize **The Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012** to approach individuals, employers, firms and corporation to verify our competence and general reputation.
4. I / We submit the following certificates in support of our suitability, technical knowledge and capability for having successfully completed the following eligible similar works :

S.No.	Name of work	Certificate from

Certificate:

It is certified that the information given in the enclosed eligibility bid are correct. It is also certified that I/we shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/us found to be incorrect.

Enclosures:

Seal of bidder

Date of submission

SIGNATURE(S) OF BIDDER(S)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

FINANCIAL INFORMATION

1. Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last five financial years duly certified by the Chartered Accountant.

YEARS (Fig. in Lakh)

Sr. No.		FY 2021-22	FY- 2022-23	FY- 2023-24	FY- 2024-25	FY- 2025-26
(i)	Gross Annual Turn Over on Repair, Maintenance and Finishing work of Building					
(ii)	Profit / Loss					

Signature of Chartered Accountant with Seal

SIGNATURE OF BIDDER(S)

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

AE (P)

EE

FORM "B"

BANKERS' CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./ Sh.....
..... having marginally noted address, as a customer of our bank are/is respectable
and can be treated as good for any engagement upto a limit of Rs.....
(Rupees.....).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature) For the Bank

NOTE

1. Bankers Certificates should be on letter head of the Bank, addressed to tendering authority.
2. In case of Partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM "B-1"

FORM FOR CERTIFICATE OF NET WORTH FROM CHARTERED ACCOUTANT

“It is to certify that as per the audited balance sheet and profit & loss account during the financial year
....., the Net Worth of M/s (Name & Registered Address of
individual/firm/company), as on (the relevant date) is Rs. after
considering all liabilities. It is further certified that the Net Worth of the company has not eroded by more than
30% in the last three years ending on (the relevant date).”

Signature of Chartered Accountant

Name of Chartered Accountant

Membership No. of ICAI

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

**DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED DURING THE LAST SEVEN YEARS
ENDING PREVIOUS DAY OF LAST DATE OF SUBMISSION OF TENDER**

S. No.	Name of work / project & location	Owner or sponsoring organization	Cost of work in crores of Rs.	Date of commencement as per contract	Stipulated date of completion	Actual date of completion	Litigation/ arbitration pending/ in progress with details #	Name & address/ telephone number of officer to whom reference may be made for verification	Whether the work was done on back to back basis Yes/ No
1	2	3	4	5	6	7	8	9	10

Indicate gross amount claimed and amount awarded by the Arbitrator

SIGNATURE OF BIDDER(S)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

FORM 'D'

PERFORMANCE REPORT FOR SIMILAR WORK EXPERIENCE CERTIFICATE

(To be issued on the letter head of Issuing Authority having latest Correspondence Address, valid E-mail ID and Working / Operational Contact Number failing which the Experience Certificate shall not be considered)

No

Date

1.	Name of Work/Project & Location	
2.	Agency	
3.	Agreement No.	
4.	Estimated Cost	
5.	Tendered Cost	
6.	Actual Cost	
7.	Date of Start	
8.	Date of Completion	
	(i) Stipulated date of completion	
	(ii) Actual date of completion	
9	Amount of compensation levied for delayed completion, if any	
(a)	Whether case of levy of compensation for delay has been decided or not - Yes/No	
(b)	If decided, amount of compensation levied for delayed completion, if any	
10.	Amount of reduced rate items, if any	
11.	Performance Report	
	(i) Quality of Work	Outstanding/ Very Good / Good / Poor
	(ii) Financial Soundness	Outstanding/ Very Good / Good / Poor
	(iii) Technical Proficiency	Outstanding/ Very Good / Good / Poor
	(iv) Resourcefulness	Outstanding/ Very Good / Good / Poor
	(v) General Behavior	Outstanding/ Very Good / Good / Poor
12.	Details of arbitration / court cases if any including amount of claim amount of award and present position.	

Dated:

Executive Engineer or Equivalent

Note: If quality of works considered for similar work criteria is poor the bidders shall be considered as disqualified.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

Undertaking on structural stability and soundness of already completed building and infrastructure projects.

I/we undertake and confirm that any building/infrastructure constructed by our firm/partnership firm/company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (Twenty-Five) years.

I/we also undertake that in addition to above the Engineer-in-Charge shall be free to debar us forever from tendering in CPWD.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of
Notary with seal

Signature of bidder or an
Authorized person of the
firm with stamp

Note: Affidavit to be furnished on a 'Non-judicial' stamp paper of Rs. 200/- (Scanned copy of the notarized affidavit to be uploaded at the time of submission of bid.)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

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 times specified in Schedule 'F' Viz. Schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule- 1 on General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the bid open for **Thirty (30) days from the date of opening of Financial Bid** and not to make any modifications in its terms and conditions

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secrete/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

Postal Address

Witness :

Address :

Occupation :

***** To be submitted by the contractor online before quoting the rates

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

AE (P)

EE

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 President of India

Signature

Dated

Designation:

Executive Engineer
Education West Division, I.T.I Pusa
campus New Delhi-110012.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of Quantities -Attached on Page No.

SCHEDULE 'D'

- | | |
|--|-----------------------------------|
| (a) General Conditions and salient points. | (e) Particular specifications. |
| (b) Additional Conditions. | (f) Condition for finishing work. |
| (c) Special Conditions. | (g) List of Approved Make. |
| (d) Special condition for cement. | |

SCHEDULE 'E'

Reference to General conditions of contract: - CPWD form-7, GCC-2023 for maintenance works as modified & corrected up to last date of submission of the tender i/c extension if any.

NAME OF WORK

Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

Estimate cost of Work

Total = ₹8,28,38,077/-
(Civil: ₹8,23,53,135/- + Electrical ₹4,84,942/-)

Earnest Money

₹16,56,762/-

Performance Guarantee & Additional PG

- (i) **5% (five percent) of the Estimated cost put to Tender (ECPT) or Contract Amount whichever is higher.**
- (ii) **Additional Performance Guarantee (APG) if quoted bid amount is lesser than 80% of the ECPT as per circular no. DG/Mannual-2024/20 dated 27.02.2026.**

(APG = 0.80x Estimated Cost-Tendered Cost)

Security Deposit

2.5% of the tendered value of Civil Component.
2.5% of the tendered value of Electrical Component

SCHEDULE 'F' General Rules & Directions Officer Inviting Tender

Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012.

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with clauses 12.2 & 12.3.

As per agreement

Definitions:

2(vi) Engineer-in-Charge

Executive Engineer, PWD, Education West Division, I.T.I Pusa campus New Delhi-110012.

2(viii) Accepting Authority

Superintending Engineer (Education-III), PWD (GNCTD), Ring Road Bypass, under flyover, opp. I.G Stadium, Gate No.- 9, I.P. Estate, New Delhi-110002

f2(x) Percentage on cost of materials and labour to cover all overheads

15% (Fifteen Percent)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

and profits.

2(x)(b)	Standard Schedule of Rates	DSR – 2023, corrected up-to the last date prescribed for submission of tender for Civil work+ E&M work DSR-2025
2(xi)	Department	PWD (GNCTD)
9(ii)	Standard CPWD contract Form	CPWD form-7 and General Condition of Contract 2023 (Maintenance Works), as modified & corrected up-to last date submission of tender i/c extension if any.

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 there of from the date of issue of letter of acceptance 5 days

ii) Maximum allowable extension with late fee @ 0.1% per day of performance Guarantee amount beyond the period provided in (i) above in days. 2 days

Clause 2

Authority for fixing compensation under clause 2 The Superintending Engineer (Education-III), PWD (GNCTD).

Whether Clause-2/2A shall be applicable Not Applicable

Clause 5

Number of days from the date of issue of letter acceptance for reckoning date of start. 7 Days.

Site:-The site for work is available

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

Milestones As per Table Given Below:-

S. No.	Description of Milestone (Financial)	Time Allowed in days (from date of start)	Amount to be withheld in case of non achievement of mile stone
1	1/8 th (of whole work)	1/4 th (of whole work)	1.25% of the tendered value.
2	3/8 th (of whole work)	1/2 th (of whole work)	1.25% of the tendered value.
3	3/4 th (of whole work)	3/4 th (of whole work)	1.25% of the tendered value.
4	Full	Full	1.25% of the tendered value.

Time Allowed for execution of work

90 Days

Authority to decide:

- (i) Extension of time : Superintending Engineer (Education-III), PWD (GNCTD), Ring Road Bypass, under flyover, opp. I.G Stadium, Gate No.-9, I.P. Estate, New Delhi-110002.
- (ii) Rescheduling of Milestones : Superintending Engineer (Education-III), PWD (GNCTD), Ring Road Bypass, under flyover, opp. I.G Stadium, Gate No.-9, I.P. Estate, New Delhi-110002.
- (iii) Shifting of date of start in case of delay in handing over of site : Superintending Engineer (Education-III), PWD (GNCTD), Ring Road Bypass, under flyover, opp. I.G Stadium, Gate No.-9, I.P. Estate, New Delhi-110002.

Clause 5

Applicable Clause-5/Clause-5A

Clause-5

Clause 6

Computerized Measurement Book (CMB)/Electronic Measurement Book (EMB)

Applicable (Computerized Measurement Book)

Clause 7

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

₹ 274 lakh for Civil work

₹1.50 Lakh for Electrical work

Clause 7A

Whether clause 7A shall be applicable.

Yes, No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-charge.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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Clause 10A
List of testing equipment to be provided by the contractor at site lab of Plant
Clause 10B(ii) As per site requirement and as per direction of Engineer-in-Charge.
Not Applicable

Clause 10C
Component of labour expressed as percentage of value of work
25% of Civil component
5% of Electrical component

Clause 10CC Not Applicable

Clause 11
Specifications to be followed for execution of work
CPWD specifications 2019 Vol. I & II with Correction slips issued up to date of receipt of tender and also specification attached with tender documents.

Clause 12
Type of Work:- Maintenance Work
Overall work comprises of scattered work in 22 Nos. schools, List of schools along with estimated cost of each school is enclosed at Page No. 16 of NIT. The completion cost shall, in no case, exceed 1.10 times the corresponding contract amount of each school i.e. estimated cost of a particular schools (+/-) enhancement/rebate.

Clause 16
Competent Authority for deciding reduced rates
SE, Education (Unit-III), New Delhi or successor thereof upto 5% of Contract Value. ADG (Projects)- Full Powers.

Clause 18
List of mandatory machinery, tools & plants to be deployed by the contractor at site:-
As per requirement of site and direction of Engineer-in-Charge.

Clause 19
The contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work and continue to have a valid license until the completion of the work. The contractor shall be also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.

Clause 19C Authority to decide penalty for each default : Executive Engineer (C)

Clause 19D Authority to decide penalty for each default : Executive Engineer (C)

Clause 19G Authority to decide penalty for each default : Executive Engineer (C)

Clause 19 L:
The ESI & EPF contribution on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of employer paid by the contractor shall be reimbursed by the Engineer-in-Charge to the contractor on actual basis. The applicable and eligible amount of EPF and ESI shall be reimbursed preferably within 7 days but not less than 1 Month of submission of documentary proof of payment provided the same are in order.

Clause 25:- Deleted
“Any dispute arising between parties to this agreement/contract shall be subject to the exclusive jurisdiction of Courts in Delhi only.”

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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Clause 32

“Requirement of Technical representative and recovery rate”

Sl. No.	Requirement of Technical Staff		Minimum experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling
	Qualification	Number (Major + Minor Component)			
1	Graduate Engineer	1	5 (and having experience of one similar nature of work) 2 or 5 respectively	Project Manager	Rs. 25,000/- per month
	Graduate Engineer	1 (Civil) +		Project Planning /quality/ billing Engineer	Rs. 15,000/- per month per person
	Or Diploma Engineer	1 (Electrical)			

Assistant Engineers retired from Govt. services that are holding diploma will be treated at par with graduate Engineers.

Diploma holder with minimum 10 year 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) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D. DSR 2023 with correction slip issued up to the date of receipt of tender & as per nomenclature of the items.
- 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 for all works. 2.5% plus only & nil on minus side.
- c) Steel Reinforcement and structural steel sections for each diameter, section and category 2% plus/minus.
- d) All other materials NIL

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S.No.	Description of Item	Rates in figures and words at which recovery shall be made from the Contractor (Rate in schedule 'B' plus 10% in case materials issued by Department)	
		Excess beyond Permissible variation	Less use beyond permissible variation
1.	Cement in bags	NIL	*Rs.9000/- (Rs. Nineth thousand only) per tonne
2.	Steel Reinforcement	NIL	*Rs.75,000/- (Rs. Seventy Five thousand only) per tonne
3.	Structural Sections	---	---
4.	Bitumen issued free	---	---

***Subject to acceptance of quality of work by the Competent Authority. ***

Executive Engineer
The Executive Engineer, PWD,
Education West Division, I.T.I, Pusa
campus, New Delhi-110012.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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(Guarantee Offered by Bank to CPWD In Connection with the Execution of Contracts) Form of Bank Guarantee for Performance Guarantee/Security Deposit/Mobilization Advance.

(CPWD, OM No. DG/CON/311dated20.10.2020)

(To be given on Non-Judicial Stamp Paper of Minimum Rs.100)

1. Whereas, The Executive Engineer, PWD, Education West Division, Delhi on behalf of the President of India (herein after called" The Government") has invited bids under(NIT Number).....dated.....for“ **Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.**”

The Govt. has further agreed to accept irrevocable Bank Guarantee for Rs..... (Rs..... only) valid upto.....(date)*.....as Earnest Money Deposit from.....(name and address of the 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, PWD, Education West Division, Delhi 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 “**Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27..**”

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.

- i. We,.....(indicate the name of the bank).....(hereinafter referred to as “the Bank”), hereby undertake to pay to the Govt. an amount not exceeding Rs..... (Rs only) on demand by the Govt. within 10 days of the demand.
- ii. We,(indicate the name of the bank)..... do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Govt. stating that the amount claimed is reqd. 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.....(Rupees only)
- iii. We,.....(indicate the name of the bank)....., further undertake to pay the Govt. any money 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 payments made by us under this Bank Guarantee shall be a valid discharge of our liability for payment thereunder and the Contractor shall have no claim against us for making such payment.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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2. We,(indicate the name of the bank)....., further agree that the Govt. shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder 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 power exercisable by the Govt. against the said contractor and for bear 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 Govt. or any indulgence by the Govt. to the said Contractor or by any such matter or thing what over which under the law relating to sureties would, but for this provision, have effect of so relieving us.
3. We,(indicate the name of the bank), further agree that the Govt. as its options 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 Govt. may have in relation to the contractor's liabilities.
4. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
5. We,(indicate the name of the bank), undertaken or evoke This guarantee except with the consent of the Govt. in writing.
6. This Bank Guarantee shall be valid upto unless extended on demand by the Govt. 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.....

Authorized signatory Name

1. Signature....

Designation Staff Code No. Bank Seal

Name and Address

1. Signature....

Name of 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.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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GENERAL CONDITIONS

1. The work shall be carried out as per CPWD specifications 2019 (Volume I & II), modified and corrected upto date of submission of bid and specifications as per additional conditions/ specification.
2. The contractors shall quote their rates inclusive of all kind of taxes, cartage, royalties etc. complete, nothing extra on this account will be entertained later on.
3. Unless otherwise specified in the schedule of quantity, the agreement rates for all items of work are for all heights, depths, leads and lifts involved in the execution of work.
4. **All safety measures including cover with net etc should be provided. Nothing extra shall be paid on this account.**
5. **Site may be available in parts or full as per situation of site conditions.**
6. **The contractor(s) shall have to made his/their own arrangement for water required for the work and nothing extra shall be paid for the same. Water for the work shall be as per CPWD specification. On request of the contractor(s), water for the work may be supplied by the department, if it is available with department. In case water is to be supplied by the department, 1% (one percent) water charge shall be recovered from the contractor on the gross amount of bill and in case electricity is to be supplied by the department, 0.25 % (1/4 percent) electricity charge shall be recovered from the contractor on the gross amount of bill.**
7. The contractor shall make his own arrangements for obtaining electric connection required for execution of work and make necessary payment directly to the department concerned. In case additional load is required for some purpose same shall be arranged by the agency. In the absence of electric connection or failure of power supply, the contractor shall make his own arrangement of silent type generators.
8. The contractor shall comply with proper and 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 of which he may be liable.
9. The contractor shall take all precautions to avoid accidents by exhibiting caution boards, red flags, red lights and providing necessary barriers and all other measures required from time to time. The contractor shall be responsible for all damages and accidents due to negligence on his part.
10. The contractor shall give due notices to Municipality, Police and/ or other authorities that may be required under the law/ rules under force and obtain all requisite licenses for temporary obstructions/ enclosures and pay all charges which may be leviable on account of his execution of the work under the agreement. Nothing extra shall be payable on this account.
11. Other agencies working at site will also simultaneously execute the work entrusted to them and the contractor shall offer necessary co-operation wherever required to other agencies.
12. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials. The contractor shall be bound to follow all such restrictions and adjust the programme for execution accordingly.
13. The work shall be carried out in a manner complying in all respects with the requirements of relevant bye laws of the local bodies, labour laws, minimum wages act, workmen compensation act and other statutory laws enacted by Central Govt. as well as State Govt.
14. **All malba/rubbish/silt/waste/garbage etc. generated due to any operation shall be disposed off by the contractor to the specified common disposal point and nothing extra shall be paid on this account. After the collection of full truck load of the said**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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malba (approx 4.5 cubic meters), the same shall be disposed off by the contractor to the authorized ~~municipal dhalao~~ /dumping ground With in Seven (7) days. In case of non-removal/disposal within seven days period from the specified common disposal point, a Penalty of Rs. 1,000/- (One Thousand only) per day shall be recovered from the contractor.

15. No residential accommodation shall be provided to any of the staff engaged by the contractor. The contractor shall also not be allowed to erect any temporary set up for staff in the campus.
16. No claims of the labors shall be entertained by the Department including that of providing employment, regularization of services etc.
17. The contractor shall depute required engineers who shall remain present at on all days. Work is required to be executed during day and night without any holiday.
18. All required register will be issued by Engineer-in-charge duly marked in chronological order but the contractor will have to arrange all such registers/stationery etc. Nothing extra shall be paid on this account.
19. Police verification of every staff deployed by the contractor shall be got done by the contractor compulsorily and a copy of police verification shall be provided to Engineer-in-Charge after which an identity card duly countersigned by Engineer-in-Charge or his representative shall be issued to each employee of the contractor for proper identification. The contractor shall provide uniform along with Badge and shoes within 15 days of start of work. In the event of non compliance recovery of Rs.25/- per day per employee shall be made. The employee and labours engaged by the contractor under this contract shall wear neat and clean uniforms along with name badges as approved by Engineer-in-Charge.
20. The Engineers and Supervisor shall carry mobile telephone(s) to enable the Engineer-in-charge to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be inclusive of this obligation.
21. Materials used shall be in order of preferences as under: -
 - (i) As mentioned in Nomenclature of the item.
 - (ii) As per list of approved makes of materials provided in NIT.
 - (iii) Direction of the Engineer-in-Charge.
22. Staff employed by the contractor should be well behaved, Polite & courteous. Any complaint against staff on behavior should be taken very seriously and such staff should be removed by the contractor immediately from the site and arrange replacement for the same failing which the Engineer-in-Charge has to recover as per condition
23. Safety of the staff employed will be the responsibility of the contractor, CPWD will not be responsible for any mishap, injury/accident or death of the staff. No. claim in this regard shall be entertained/ accepted by the department.
24. Contractor shall be fully responsible for any damages caused to govt. property or allottee's property by his or his labour in carrying out the work and shall be rectified by the contractor at his own cost.

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

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PART – B

CIVILWORK

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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ADDITIONAL CONDITIONS

1. Chases, holes & drilling works etc. shall be done using power operated tools. Dismantling of cement concrete slabs, floors etc. inside the quarters/building shall be done with the help of mechanized vibratory hammer, drills etc. The work shall be carried out in such a way that there should be least disturbance to the nearby/ adjoining allotments /occupants and running classes of the schools. The work should be completed within least possible time. The contractor must ensure that there should be no damage to the supporting RCC/structural member of the buildings.
2. The contractor shall deputise his representative daily to the site of work. His name and signature shall be attested by the contractor for record in the department. Claim for idle labours on any account shall not be entertained.
3. Any work carried out without the approval of the Engineer-in-charge at the site of work shall be rejected and will not be measured and paid for and he shall be liable to remove and make site good as early as possible.
4. Contractor shall mobilize all the resources like material and labour etc. in sufficient quantity for execution of work in a planned manner so, that progress of work shall not suffer due to lack of resources.
5. All the T&P and other machinery required for execution of work shall be deployed in such a way so that the progress of work at all locations not suffered due to non-availability/ deployment like JCB, T&P and other machinery.
6. The manufacturing date and batch No. of materials like paint etc. will be inscribed or printed on packs/containers by manufacturers are only acceptable for all the above said materials. Fresh material shall be brought at site as far as possible and material more than 2 (Two) Months old from the date of manufacturing will be rejected.
7. The contractor shall have to get the shades of all types of paints, distemper, water proofing cement paint etc. approved from the Engineer-in-charge before procurement of materials.
8. The paints/other materials shall be issued by the Junior Engineer/Assistant Engineer to the contractor after breaking the seal of the containers / packing and quantity to be issued shall be as per the daily requirement at the site. After days use balance quantity of paints etc., if any left, will be returned by the contractor to the Department. After use, the empty container shall have to be returned to the Department and shall be preserved by JE-in-charge and will not be disposed off till the finalization of the work.
9. The site for the collection and stacking of the material shall be got approved from the Engineer- In- charge.
10. In order that the contractor may take daily instructions regarding work, a site order book shall be maintained.
11. The theoretical consumption of materials like, satna lime, distemper, paint, water proof cement paint etc. shall be computed, as per the consumption given in the schedule of Theoretical consumption of materials. If there is variation between the actual and the theoretical calculations action shall be taken as below:-
 - A) In case the materials used are less than theoretical requirements, the cost for the materials used less shall be recovered from the contractor, subject to acceptance of quality of work accepted by the competent authority as below:-
 - i) If quoted rates of agency are above the estimated rates:-

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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Recovery shall be made at 2 times of basic rate as given in D.S.R. 2023/ market rate for items not available in DSR 2023 plus carriage, plus 1% W.C., plus 18% GST, plus 15% contractor profit and over heads, plus 1% Labour Cess plus contractor's enhancement / abatement as per the clause 12 of the agreement.

ii) If quoted rates of agency are below the estimated rates :-

Recovery shall be at 2 times of basic rate as given in D.S.R. 2023/ market rate for items not available in DSR 2023 plus carriage, plus 1% W.C., plus 18% GST, plus 15% contractor profit and over heads, plus 1% Labour Cess.

- B) For all excess use of materials over the theoretical consumption no extra payment shall be made to the contractor.
12. The sample of all the items shall have to be got approved by the Contractor from the Engineer-in-charge before the supply commences and shall be without prejudice to the right of Engineer-in-Charge to get random samples tested out of the actual lot received.
 13. The contractor shall if required furnish the manufacturer's test certificate that the material supplied satisfy the requirements of the relevant specifications.
 14. The Engineer-in-Charge shall be at liberty to take respective sample(s) of each item of schedule of quantity in any approved laboratory as decided by him. The sample for testing shall be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance and packing & testing charges etc. shall be borne by the contractor himself. In case any sample particular lot fails in testing the contractor shall be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot shall be returned to the contractor only after fresh lot is supplied. All testing charges shall be borne by the contractor.
 15. Rejected materials shall have to be removed by the contractor at his own cost immediately of the instructions of doing so.
 16. In case of any dispute regarding rejection of quality of materials the decision of the Engineer-in-Charge shall be final and binding upon the contractor.
 17. Royalty octroi terminal, tax etc. at prevalent rates shall have to be paid by the contractor himself and the rates quoted by him shall include all taxes and duties, nothing extra shall be payable, on this account.
 18. The contractor shall have to produce the cash memo / bill to satisfy department that the material has been purchased from the authorized dealer and the GST tax has been paid.
 19. The contractor shall have to get the shades of all types of paints, distemper, water proofing cement paint etc. approved from the Engineer-in-charge before procurement of materials.
 20. The contractor shall prepare one sample of item which shall be got approved from the Engineer-in-charge. Only on acceptance of sample work, contractor will be allowed to commence the work and sample is to be preserved by the JE-in-charge of work till the whole work is completed. The quality of entire work should confirm to the approved samples.
 21. The contractor or his authorized representative should see the site order book every day and get the compliance noted by the junior Engineer/Assistant Engineer/Engineer-in-charge.
 22. **The contractor will not pitch up tents for labors, material and his stores etc, except cement godown, paint godown if required which will be covered as per relevant agreement clause.**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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- 23. No temporary huts/structures will be constructed by the contractor at the site of work or at any government land within the jurisdiction of Division. Such structures, if any, found at the site or at Government land will be demolished and removed without any notice.**
24. Any damage to the building structure, fitting or any other articles etc. done by the contractor or his workman during the execution of the work shall be made good by the contractor at his own cost.
25. The contractor shall clear the site properly after the completion of the work.

26. CEMENT

26.1. The contractor shall procure 43 grade OPC as required in the work from reputed manufacturers of cement having a production capacity not less than one million tones or more per annum, such as ACC, Ultra Tech, J.P. Rewa, Vikram, Shri Cement, Birla Jute & cement corporation of India etc., as approved by the Ministry of Industry, Government of India and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name (s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer fully or partially.

The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractors shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

- 26.2.** The cement shall be brought to site as decided by the Engineer-in-charge.
- 26.3.** The cement godown shall be maintained as per CPWD specification
- 26.4.** The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor.
- 26.5.** The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment need to be made.
- 26.6.** The Cement brought to site and the cement remaining unused after completion of work shall not be removed from site without written permission of Engineer-in-Charge.
- 26.7.** 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 three days of receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

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27. STEEL

Special Condition for Steel Reinforcement

- (a) The agency shall procure Fe 550D grade Low Alloy Steel reinforcement TMT bars conforming to IS:1786 as per amendment 3, para 4.2 note 3 (Indian standard specification for high strength deformed steel bars and wires for concrete reinforcement) as presently applicable and any further amendments issued during & up to the period of execution/completion. The primary producers of such Low Alloy Steel reinforcement TMT bars shall be as per approved list given in the “Preferred makes of the materials” incorporated in this tender document.

The procured steel should have following qualities: -

i. Excellent ductility, bendability and elongation of finished product due to possible refining technology.

i. Consumption of steel should be accurate as per design.

ii. Steel should have no brittleness problem in finished product.

iii. Steel should carry the quality of corrosion and earthquake resistance.

iv. Quality steel with achievement of proper level of sulphur and phosphorus as per IS:1786-2008.

(b) Selection Criteria of steel manufacturers

The supply of reinforcement steel for all CPWD works should have following selection criteria of steel manufacturers: -

Steel producers of any capacity using iron ore/ processed iron ore as the basic raw material adopting advanced refining technologies as given hereunder,

- (i) DRI-EAF=Direct Reduced iron- Electric arc furnace.

or

- (ii) BF-BOF = Blast furnace - Basic

oxygen furnace Or

- (iii) COREX-BOF=COREX-Basic oxygen furnace

for production of liquid steel to finish product at single/multiple locations with NABL or any other similarly placed accrediting Government body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 conforming to IS:1786-2008 (Amendment-1 November 2012). The checklist for incorporation any quality steel producer is enclosed for technical assessment is given in Annexure-1.

Chief Engineer/CPM/PM shall approve the steel manufacturers for projects under their jurisdiction.

NIT approving authority shall specify the manufacturers in the tender document. The contractor shall have to obtain and furnish manufacturer’s test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.

- (i) 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, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time on written orders from the Engineer-in-Charge to do so.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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

Size of bar	For consignment below 100 tonnes	For consignment above 100 tonnes
Under 10mm dia bars	One sample for each 25 tonnes Or part thereof	One sample for each 40 tonnes part thereof
10mm to 16mm dia bars	One sample for each 35 tonnes Or part thereof	One sample for each 45 tonnes part thereof
Over 16mm dia bars	One sample for each 45 tonnes Or part thereof	One sample for each 50 tonnes part thereof

- (v) The contractor shall supply free of charge the steel required for testing including its transportation of testing laboratories. The cost of test shall be borne by the contractor.
- (vi) The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by condition laid the rein. In case the consumption is less than the theoretical consumption including permissible variations recovery at the rates prescribed shall be made, subject to acceptance of quality of work by competent authority. In case of excess consumption, no adjustment need to be made.
- (vii) 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.

Correction.....Nil.....
 Deletion.....Nil.....
 Insertion.....Nil.....
 Overwriting.....Nil.....

AE (P)

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SPECIAL CONDITIONS

1. All the building material like sand, aggregate etc. shall be stacked at site in a proper manner and covered with green cloth as per direction of Engineer-in-charge/his representatives otherwise a penalty will be imposed Rs. 500/- per day or as decided by the local authorities like MCD.
2. Contractor shall require to submit the daily program to the Engineer in charge or his representative. The Engineer in charge or their representative will give orders through site order book or through letter to carry out the work. The contractor shall have to carry out the work according to programme given by the Executive Engineer / Assistant Engineer / Junior Engineer-in-charge. The contractor shall not carry out any work without permission of Engineer-in-charge or his authorized representatives. The contractor shall have to adhere to this programme, failing which he shall be wholly responsible for any inconvenience caused to the users. No claim for idle labour on any account shall be entertained. The contractor shall depute his representative daily to the site of work. His name and Signature shall be attested by the contractor for record in the department. Any work carried out without such approvals, the work shall be rejected and shall not be measured and paid for.
3. Agency to keep such semi-skilled/skilled/Highly skilled persons such that the person who has been assigned the main task will ensure that the related main task is carried out in one go by the same skilled preferably so as to ensure minimum inconvenience and interference to the allottee.
4. The Contractor has to upload following details by using their PAN No. as user ID on CPWD website for the works mentioned there in:-
 - i. Address & Contact details of Contractor.
 - ii. Number of labour employed for the work
 - iii. Copy of labour licenses.
 - iv. Registration details with EPFO ESIC, BOCW Welfare Board.
 - v. ESI smart card
 - vi. Details and mode of payment made to the labour along with details of ESI and EPF contribution paid on the part of employer
 - vii. Prosecution launched by CIRM.
5. The contractor will employ ~~separate labour for Civil, Electrical & Horticulture~~ work and deposited ESI and EPF contribution (Vide separate ECR and challans) deducted from the employee and contribution on the part of employer paid by the contractor to the concerned authorities for reimbursement of ESI & EPFO from the department the contractor shall submit an affidavit on stamp paper of Rs. 10 along with the duly paid challans stating “ I have not claimed the reimbursement of this bill from anywhere else. I shall also not claim this from any other office in future.”
6. All the finished exposed surfaces including horizontal/vertical edges, must be in true line & levels and in true horizontal / vertical planes. All vertical edges must be in true plumb. Any undulation in surfaces and defect in edges shall have to be rectified to the entire satisfaction of Engineer-in-charge. Appropriate amount for defects as above from concerned items shall be withheld, which shall only be released after rectification of defect.
7. During execution of major/minor repair works, all necessary safety precautions by providing appropriate screen for protection of windows/ doors/ glass panes/ grills/ railings must be ensured by the agency against cement slurry/ cement mortar/ paint splashes etc. for which nothing extra shall be payable.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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SPECIAL CONDITION FOR FINISHING WORK

1. CEMENT PLASTER

1.1 Preparation of Surface

The joints shall be raked out properly. Dust and loose mortar shall be brushed out. Efflorescence if any shall be removed by brushing and scrapping. The surface shall then be thoroughly washed with water, cleaned and kept wet before plastering is commenced. In case of concrete surface if a chemical retarder has been applied to the form work, the surface shall be roughened by wire brushing and all the resulting dust and loose particles cleaned off and care shall be taken that none of the retarders is left on the surface.

1.2 Mortar

The mortar of the specified mix using the type of sand described in the item shall be used. It shall be as specified in Subhead 3.0. For external work and under coat work, the fine aggregate shall conform to grading IV. For finishing coat work the fine aggregate conforming to grading zone V shall be used.

1.3 Application of Plaster

Plastering shall be started from the top and worked down towards the floor. All putlog holes shall be properly filled in advance of the plastering as the scaffolding is being taken down. To ensure even thickness and a true surface, plaster about 15 × 15 cm shall be first applied, horizontally and vertically, at not more than 2 meters intervals over the entire surface to serve as gauges. The surfaces of these gauged areas shall be truly in the plane of the finished plaster surface. The mortar shall then be laid on the wall, between the gauges with trowel. The mortar shall be applied in a uniform surface slightly more than the specified thickness. This shall be brought to a true surface, by working a wooden straight edge reaching across the gauges, with small upward and side ways movements at a time. Finally the surface shall be finished off true with trowel or wooden float according as a smooth or a sandy granular texture is required. Excessive troweling or over working the float shall be avoided.

All corners, arrises, angles and junctions shall be truly vertical or horizontal as the case may be and shall be carefully finished. Rounding or chamfering corners, arrises, provision of grooves at junctions etc. where required shall be done without any extra payment. Such rounding, chamfering or grooving shall be carried out with proper templates or battens to the sizes required. When suspending work at the end of the day, the plaster shall be left, cut clean to line both horizontally and vertically. When recommencing the plastering, the edge of the old work shall be scrapped cleaned and wetted with cement slurry before plaster is applied to the adjacent areas, to enable the two to properly join together. Plastering work shall be closed at the end of the day on the body of wall and not nearer than 15 cm to any corners or arrises. It shall not be closed on the body of the features such as plasters, bands and cornices, nor at the corners of arrises. Horizontal joints in plaster work shall not also occur on parapet tops and copings as these invariably lead to leakages. The plastering and finishing shall be completed within half an hour of adding water to the dry mortar. No portion of the surface shall be left out initially to be patched up later on. The plastering and finishing shall be completed within half an hour of adding water to the dry mortar.

Correction.....Nil.....
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Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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Thickness: Where the thickness required as per description of the item is 20 mm, the average thickness of the plaster shall not be less than 20 mm whether the wall treated is of brick or stone. In the case of brick work, the minimum thickness over any portion of the surface shall be not less than 15 mm while in case of stone work the minimum thickness over the bushings shall be not less than 12 mm.

1.4 Curing

Curing shall be started as soon as the plaster has hardened sufficiently not to be damaged when watered. **Water jet pump with sprinkler nozzle shall be used for Curing.** The plaster shall be kept wet for a period of at least 7 days. During this period, it shall be suitably protected from all damages at the contractor's expense by such means as the Engineer-in-Charge may approve. The dates on which the plastering is done shall be legibly marked on the various sections plastered so that curing for the specified period thereafter can be watched.

1.5 Finish

The plaster shall be finished to a true and plumb surface and to the proper degree of smoothness as required. The work shall be tested frequently as the work proceeds with a true straight edge not less than 2.5 m long and with plumb bobs. All horizontal lines and surfaces shall be tested with a level and all jambs and corners with a plumb bob as the work proceeds.

1.6 Precaution

Any cracks which appear in the surface and all portions which sound hollow when tapped, or are found to be soft or otherwise defective, shall be cut out in rectangular shape and redone as directed by the Engineer-in-Charge. (i) When ceiling plaster is done, it shall be finished to chamfered edge at an angle at its junction with a suitable tool when plaster is being done. Similarly, when the wall plaster is being done, it shall be kept separate from the ceiling plaster by a thin straight groove not deeper than 6 mm drawn with any suitable method with the wall while the plaster is green. (ii) To prevent surface cracks appearing between junctions of column/beam and walls, 150 mm wide chicken wire mesh should be fixed with U nails 150 mm centre to centre before plastering the junction. The plastering of walls and beam/column in one vertical plane should be carried out in one go. For providing and fixing chicken wire mesh with U nails payment shall be made separately

2. REPAIR STOPPLASTER

2.1 Cutting

The mortar of the patch, where the existing plaster has cracked, crumbled or sounds hollow when gently tapped on the surface, shall be removed. The patch shall be cut out to a square or rectangular shape at position marked on the wall as directed by the Engineer-in-Charge or his authorized representative. The edges shall be slightly under cut to provide a neat joint.

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2.2 Preparation of Surface

The masonry joints which become exposed after removal of old plaster shall be raked out to a minimum depth of 10 mm in the case of brick work and 20 mm in the case of stone work. The raking shall be carried out uniformly with a raking tool and not with a basuli, and loose mortar dusted off. The surface shall then be thoroughly washed with water, and kept wet till plastering is commenced. In case of concrete surfaces, the same shall be thoroughly scrubbed with wire brushes after the plaster had been cut out and pock marked. The surface shall be washed and cleaned and kept wet till plastering is commenced.

2.3 Application of Plaster

Mortar of specified mix with the specified sand shall be used. The surface shall be finished even and flush and matching with the old surrounding plaster. All roundings necessary at junctions of walls, ceilings etc. shall be carried out in a tidy manner. All dismantled mortar & rubbish etc. shall be disposed off within 24 hours from its dismantling promptly as directed by the Engineer-in-Charge.

2.4 Protective Measure

Doors, windows, floors, articles of furniture etc. and such other parts of the building shall be protected from being splashed upon. Splashing and droppings, if any, shall be removed by the contractor at his own cost and the surface cleaned. Damages, if any, to furniture or fittings and fixtures shall be recoverable from the contractor.

2.5 Curing

Curing shall be started as soon as the plaster has hardened sufficiently not to be damaged when watered. **Water jet pump with sprinkler nozzle shall be used for curing.** The plaster shall be kept wet for a period of at least 7 days. During this period, it shall be suitably protected from all damages at the contractor's expense by such means as the Engineer-in-Charge may approve. The dates on which the plastering is done shall be legibly marked on the various sections plastered so that curing for the specified period thereafter can be watched.

3. PAINTING

Materials Paints, oils, varnishes etc. of approved brand and manufacture shall be used. Only ready mixed Paint (Exterior grade) as received from the manufacturer without any admixture shall be used. If for any reason, thinning is necessary in case of ready mixed Paint, the brand of thinner recommended by the manufacturer or as instructed by the Engineer-in-Charge shall be used. Approved Paints, oil or varnishes shall be brought to the site of work by the contractor in their original containers in sealed condition. The material shall be brought in at a time in adequate quantities to suffice for the whole work or at least a fortnight's work. The materials shall be kept in the

Correction.....Nil.....
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joint custody of the contractor and the Engineer-in -Charge. The empties shall not be removed from the site of work, till the relevant item of work has been completed and permission obtained from the Engineer-in-Charge.

3.1 Commencing Work

Painting shall not be started until the Engineer -in-Charge has inspected the items of work to be painted, satisfied himself about their proper quality and given his approval to commence the painting work. Painting of external surfaces should not be done in adverse weather condition like hail storm and dust storm. Painting, except the priming coat, shall generally be taken in hand after practically finishing all other building work. The rooms should be thoroughly swept out and the entire building cleaned up, at least one day in advance of the Paint work being started.

3.2 Preparation of Surface

The surface shall be thoroughly cleaned and dusted off. All rust, dirt, scales, smoke splashes, mortar droppings and grease shall be thoroughly removed before painting is started. The prepared surface shall have received the approval of the Engineer-in-Charge after inspection, before painting is commenced.

3.3 Application

Before pouring into smaller containers for use, the Paint shall be stirred thoroughly in its containers, when applying also, the Paint shall be continuously stirred in the smaller containers so that its consistency is kept uniform. The painting shall be laid on evenly and smoothly by means of crossing and laying off, the latter in the direction of the grains of wood. The crossing and laying off consists of covering the area over with Paint, brushing the surface hard for the first time over and then brushing alternately in opposite direction, two or three times and then finally brushing lightly in a direction at right angles to the same. In this process, no brush marks shall be left after the laying off is finished. The full process of crossing and laying off will constitute one coat.

Where so stipulated, the painting shall be done by spraying. Spray machine used may be (a) high pressure (small air aperture) type, or (b) a low pressure (large air gap) type, depending on the nature and location of work to be carried out. Skilled and experienced workmen shall be employed for this class of work. Paints used shall be brought to the requisite consistency by adding a suitable thinner.

Spraying should be done only when dry condition prevails. Each coat shall be allowed to dry out thoroughly and rubbed smooth before the next coat is applied. This should be facilitated by thorough ventilation. Each coat except the last coat, shall be lightly rubbed down with sand paper or fine pumice stone and cleaned off dust before the next coat is laid.

No left over Paint shall be put back into the stock tins. When not in use, the containers shall be kept properly closed.

No hair marks from the brush or clogging of Paint puddles in the corners of panels, angles of moldings etc. shall be left on the work.

In painting doors and windows, the putty round the glass panes must also be painted but care must be taken to see that no Paint stains etc. are left on the glass. Tops of shutters and surfaces in similar hidden locations shall not be left out in painting. However, bottom edge of the shutters where the painting is not practically possible, need not be

Correction.....Nil.....
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done nor any deduction on this account will be done but two coats of primer of approved make shall be done on the bottom edge before fixing the shutters.

On painting steel work, special care shall be taken while painting over bolts, nuts, rivet overlaps etc.

The additional specifications for primer and other coats of Paints shall be as according to the detailed CPWD specifications under the respective headings.

3.4 Brushes and Containers

After work, the brushes shall be completely cleaned of Paint and linseed oil by rinsing with turpentine. A brush in which Paint has dried up is ruined and shall on no account be used for painting work. The containers when not in use, shall be kept closed and free from air so that Paint does not thicken and also shall be kept safe from dust. When the Paint has been used, the containers shall be washed with turpentine and wiped dry with soft clean cloth, so that they are clean, and can be used again.

3.5 Precautions

All furnitures, fixtures, glazing, floors etc. shall be protected by covering and stains, smears, splashings, if any shall be removed and any damages done shall be made good by the contractor at his cost.

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Minimum Quality Assurance Plan

1. Tests which are mandatory as per CPWD specification amended up to date are to be carried out by the contractor. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor as per requirement. A proper time schedule by which each Machinery & T&P is to be brought at site should be submitted by the contractor to the site staff before start of the work.
3. Field laboratory is required for this work. All the testing equipment's to be arranged by the contractor.
4. Maintenance of Register of Tests-
 - (i) All the registers of tests carried out at Construction Site or in outside laboratories, as approved by competent authority, shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge at the time of issue of award letter.
 - (ii) All Samples of materials including Cement Concrete Cubes shall be taken by Contractor jointly with JE in charge of work and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by contractor in presence of AE in charge of work. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
 - (iii) All the test in field lab at Construction Site shall be carried out by the Engineering Staff deployed by the contractor in presence of JE-in-charge and at least 50% of tests in presence AE-in-charge. At least 10% of tests shall be carried out in presence of Executive Engineer.
 - (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be presented before JE/AE/Divisional Engineer for their review.
 - (v) Contractor shall be responsible for safe custody of all the test registers.
5. It is mandatory to the contractor to submit copy of all test registers, Material at Site Register and hindrance register along with each alternate Running Account Bill and Final Bill. These registers shall further be checked by AE(P)/Senior Draughtsman in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

If all the test registers and hindrance register is not submitted by contractor along with each alternate R/A Bill & Final Bill, no payment shall be released to the contractor.
6. Maintenance of Material at Site (MAS) Register-
 - (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge along with the award letter.
 - (ii) The contractor shall get 100% test checked by JE or by AE (if there is no JE) after each entry of receipt of material at site in MAS register.
 - (iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If there is no JE is available then MAS register must be checked by AE at least twice a week.
 - (iv) Cement register shall be got reviewed by Divisional Engineer at least once in a month.
7. Contractor will co-operate with the staff of Third-Party Quality Control, if appointed/authorized by the Engineer-in-Charge. Contractor will provide all the sample of the material/Items as desired by the Third Party Quality Control Team free of cost including packing and it's transportation upto testing laboratory.

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Overwriting.....Nil.....

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SPECIAL CONDITION FOR WATER PROOFING TREATMENT/SANITARY & WATER SUPPLY

WORK/ ALUMINIUM WORK

1. A sample of Armour Crete or Tape Crete proposed to be used shall be submitted to the Engineer-in-Charge along with such test results which conform to the satisfactory performance requirements.
2. Total quantity of aforesaid compounds required shall be arranged after obtaining the approval of Engineer-in-Charge in writing. Material shall be kept under double lock and key and proper account of the same to be used on the work shall be maintained to ensure proper consumption.
3. **The contractor shall be fully responsible for and shall guarantee proper performance of the entire waterproofing system for a period of 10 (Ten) years from the final completion of works. In addition, specific 10 years written guarantee (to be furnished in a non-judicial stamp paper of value not less than Rs.100/-) in approved proforma shall be submitted for the performance of the system, before final payment and shall not in any way limit any other rights the Employer may have under the contract.** Guarantee for water proofing shall comprise of all the items described above in particular specification.
4. All water-proofing work shall be carried out through experienced agency as per method of working approved by the Engineer-in-charge. However the Contractors shall be solely responsible for waterproofing treatment until the expiry of the above guarantee period.
5. Ten years guarantee in prescribed proforma attached shall be given by the contractor for the water proofing treatment. **In addition, 10% (ten percent) of the cost of these items of water proofing under this sub head shall be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after five years from the date of completion of the work, if the performance of the waterproofing works is satisfactory.** The remaining withheld amount shall be released after completion of ten years from the date of completion of work, if the performance of the waterproofing work is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialized agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the department.
6. Five years guarantee in prescribed proforma attached shall be given by the contractor for the sanitary & water supply work. **In addition, 5% (Five percent) of the cost of these items of sanitary & water supply work under this sub head shall be retained as guarantee to watch the performance of the work executed. The withheld amount shall be released after completion of five years from the date of completion of work, if the performance of the sanitary & water supply work is satisfactory.** If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialized agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the department.
7. **Two years guarantee in prescribed proforma attached shall be given by the contractor for the aluminium work. In addition 5% (Five percent) of the cost of these items of aluminium work under this sub head shall be retained as guarantee to watch the performance of the work executed. The withheld amount shall be released after completion of two years from the date of completion of work, if the performance of the**
8. **aluminium work is satisfactory.** If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialized agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the department.

Correction.....Nil.....
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LIST OF PREFERRED MAKE OF MATERIALS (FOR CIVIL WORKS)

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the Architect/ Engineer-in-Charge are listed below. However, approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market and subject to approval of the alternate brand by the Architect/ Engineer-in-Charge, (See also conditions of contract).

Sl. No.	Material	Preferred Make
1.	OPC, PPC	ACC, Birla, Ultratech, Ambuja.
2.	White Cement	J.K. White, Birla White, Ultratech.
3.	Reinforcement bars Fe-500	TATA, SAIL, RINL, JSW, Jindal Panther.
4.	Structural Hollow Tubes/Pipes, Hot Finished Welded Tubes Seamless & ERW types tubes	TATA, SAIL, RINL, JSW.
5.	Structural M.S. Section, I-Section, Channels, Angle, Tee & Flats etc.	TATA, SAIL, RINL, Jindal (Hissar).
6.	Stainless steel pipe and fittings	Jindal Stainless Steel Ltd., J-Press, Tata Steel, VSH.
7.	Aluminum Door, Window (Factory Made)	Fenesta Building Systems, Encraft India Pvt. Ltd., Beautex, Arcuzo Décor.
8.	Aluminium Section	Jindal, Hindalco, Indalco, Nalco.
9.	Anodised Aluminium Hardware (Heavy duty)	Hardima, Everite, Jindal Aluminium, Hindalco.
10.	Aluminum Extruded Profiles	Hindalco, Jindal, Nalco.
11.	Aluminum Composite Panels	M/s Alutech Industries, Alucobond, Alpolie
12.	Block Board & Plywood, Veneer	Greenlam, Century Ply, Merino, Green Ply
13.	Flush Door shutters (Decorative/ Non Decorative) Factory made	Century ply board, Merino Greenply, Archid Ply
14.	Fire Check Door (Wooden)	Promat, Greenlam, Mikasa.
15.	Lamination sheet (Mica)	Greenlam, Marino, Century,
16.	Prelaminated HD Board (Fungus, Termite, Borer, Moisture Resistant.)	Action Tesa, Century, Archidpanel, Greenlam, Merino
17.	BWP-High density fibre board – Marine grade	Century, Marino, Green Ply
18.	MS Fittings	Ashish, Oxford, Garg, Adarsh
19.	Aluminium Fittings	Dorma, Godrej, Hettich, Hafele
20.	Brass Fittings	Dorma, Godrej, Hettich, Hafele
21.	SS Fittings	Dorma, Godrej, Hettich, Hafele
22.	Sliding door bolt	Dorma, Godrej, Hettich, Hafele

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 Insertion.....Nil.....
 Overwriting.....Nil.....

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23.	Automatic sliding door system and Fittings	Ozone, Dorma, Godrej
24.	UPVC window/ doors	Fenesta, Saint-Gobain, Veka, Kommerling
25.	Synthetic Enamel paint	Asian Paints (Apolite Gloss), Berger (Luxol Hi-Gloss & Luxol Satin), ICI Dulux (Gloss),
26.	Water proofing cement paint	Super Snowcem, Asian Paints, Berger (Durocem)
27.	Acrylic emulsion paint	Asian (Apolite All Protek), Berger (Silk Glamor), Dulux (Velvet Touch/Pearl Go)
28.	Premium Acrylic Emulsion	Berger (Rangoli Total Care), Asian Paints (Apolite Premium Emulsion), Nerolac (Beauty Gold Washable)
29.	Premium Acrylic Smooth Exterior	Berger (Weather Coat Long Life), Asian Paints (Apex Ultima Protek), Nerolac Excel Everlast
30.	Primer for interior	Berger (Walmasta Exterior Interior), Asian (True Care), Nerolac (Premium Primer)
31.	Acrylic exterior paint	Asian Paints (Apex Ultima), ICI Dulux (Weather Shield Ultra clean), NEROLAC (Excel Top Guard), Berger (Weather Coat All Guard)
32.	Texture Exterior Paint	Berger (Florentina Sand Stone), Asian (Rustic Texture), Dulux (Weathershield Signature)
33.	POP	Snowcem Paint, Dulux, Asian Paints
34.	Wall Putty	J.K. Cement, Birla white, Asian Paints
35.	Acrylic distemper	Asian Paints (Tractor Uno), ICI Dulux (Duwel), Nerolac (Beauty Gold)
36.	Duco Paint	Asian Paints, Dulux, ICI Duco Paint
37.	Powder coating Paint	Asian Paints-PPG, ICI Paint.
38.	Metallic Paint	Asian Paints (with Royale Play Metallics), Kansai Nerolac, Nippon Paint, Jotun
39.	Bituminous Paint	Makphalt, STP, Asian.
40.	Thermoplastic Road Marking Paint	Alcolite, Zigma Paints, Prime Roads, Asian Paints PPG.
41.	Cement Primer	Asian Paint, Dulux, Berger Paint, Snowcem Paint
42.	Steel Primer – Red oxide	Asian Paints, Nerolac, ICI Dulux
43.	Wood Primer	Asian Paints, Nippon Paint, Dulux
44.	Wooden Flooring	Vista, Greenlam (Mikag), Action Tesa,
45.	Terrazzo Tiles (Precast), Plain, Chequered.	Nitco, Hindustan, Modern, Ultra, Unistone
46.	Glazed Vitrified Tiles, Double Charge tile, Polished tile.	Kajaria, Somany, RAK
47.	Cement Concrete Tiles, Hardonite Tiles	Nitco, NTC, Hindustan, KK, Dalal, Unistone
48.	Glazed Ceramic tiles	Somany, Kajaria, Rak
49.	C.C. Pavers	Nitco-(Rockard), K.K., Dalal
50.	Interlocking Paver Block, Grass Paver, Precast CC Slab, Kerbstone, Kerb channel.	K.K., Nitco & Dalal tiles Ind.

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51.	G.I. Metallic Tiles of False Ceiling, Gypsum board alongwith frame, GRG tile alongwith frame.	Armstrong, Saint-Gobain (Gyproc), Dexune
52.	Calcium Silicate False Ceiling System Along with supporting.	Aerolite, Armstrong,
53.	Baffle False Ceiling-Aluminum/G.I.	Armstrong, Hunter Douglas, Durlum
54.	Open cell steel ceiling	Aerolite, Armstrong, Durlum
55.	Mineral Fibre	Armstrong, Hunter, Douglas, Durlum
56.	G.I. Pipes	Tata, Jindal (Hissar)
57.	G.I. Fittings (Malleable Cast Iron)	UNIK, Sury, KS
58.	C.P. Brass Fittings	Jaquar, Roca, Kohler
59.	UPVC Pipe	Supreme, Prince, Finolex, Astral
60.	CPVC Pipe	Supreme, Prince, Finolex, Astral
61.	PE-AL-PE Pipes & Fittings (Polyethylene/ Aluminum/ Polyethylene)	Jindal, KiTEC Industries (India) Pvt. Ltd., Nexgen
62.	PVC/ Synthetic Water Tank/ Loft Tank	Sintex, Sheetal, Tirupati
63.	PTMT Fittings	Prayag, Shakti, Polytuf
64.	Gunmetal Valves	Leader, Sant, Zoloto
65.	Ball Valves	Zoloto, IBP, Leader, SANT
66.	Butterfly Valves	Audco, Zoloto
67.	Self Closing Pillar Taps (Pressmatic)	Jaquar, Roca, Kohler
68.	Fully Hygiene hand dryer	Jaquar, Roca, Kohler
69.	SMC (Sheet Moulded Compound Panel Tank)	Sintex, Amitex, Sovisy
70.	Centrifugal Cast Iron LA pipes	Electro Steel, Klinga, Jai Balaji
71.	Ductile Iron pipe (DI Pipe)	Jindal, Electro Steel, Tata
72.	Sanitary Fixture (Chinaware)	Jaquar, Roca, Kohler, Grohe
73.	Soil, Waste & Vents Pipes & Fittings	NECO, RIF, SRIF, RPMF, Hepco
74.	Stone Ware Pipe & Gully Traps	Perfect, Parry, Hind, HDP
75.	RCC Pipes-(NP-2)	Lakshmi, Sood & Sood Jain & Co., Jain & Co.
76.	C.I. Double Flanged Sluice Valves	Kirloskar, Sant, Zoloto
77.	C.I Double Flanged Non Return Valves	Kirloskar, Sant, Zoloto
78.	FRP Cover	Thermodrain, Fibreone, HP, Fibre Light
79.	C.I. Double Covers with Frame	Neco, RIF, SKF, Electro Steel

Correction.....Nil.....
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Insertion.....Nil.....
Overwriting.....Nil.....

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80.	DI (Ductile Iron) Manhole cover & grating	NECO, RBAC, Plazma, Nindi
81.	Stainless Steel Sinks	Nilkanth, Cobra, Jayana,
82.	Steel Fibre Reinforced Concrete, Manhole covers with frame	K.K. Manholes, Nitco& Dalal
83.	Hubless Centrifugally Cast (Spun) Iron Pipes & Fittings	Neco, Hepco, SKF, RPMF
84.	Admixture	Forsroc, Sika, BASF
85.	Tile Adhesive	Pidilite, MYK Latticrete, Sika
86.	Adhesive Tape, Antiskid Tapes	Norton, 3M Tapes
87.	APP	Apex, M/s IWL India Limited, Asian Paints
88.	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum.
89.	Bevelled Edge Mirror	Saint-Gobain, Modiguard, AIS
90.	Damp Proof Material	Pidilite Dr. Fixit, Sika, MYK, Fosroc
91.	Dash Fasteners	Hilti, Fischer, Canon, Howorth
92.	Glass Door Closer Lock	Dorma, Hardwyn, Hafele
93.	Drapery Rod, Venetian Blinds	Mac, Vista, Deck.
94.	Roller Blinds	Vista, Hunter Douglas, Deck.
95.	Epoxy Mortar	Fosroc, MYK, Sika
96.	Welding Electrodes	ADVANI-OERLIKON, MODI, TATA
97.	Friction Stay Hinges	Hafele, Hettich, Dorma.
98.	Grass Paver	Unistone, Ultra, Shree, Dalal
99.	Hydraulic Door Closer/ Floor Spring	Godrej, Dorma, Hafele, Hettich
100.	Injection Grouting	Pidilite, Fosroc, Sika, BASF
101.	Locks, Mortice lock, Latch, Cupboard	Dorma, Hettich, Hafele
102.	Ms Pipe	Tata, Jindal (Hissar)
103.	Nuts, Bolts and Screws, Steel	Kundan, Priya, Atul
104.	Non-Metalic Surface Hardner	MC Deritop F.H. Armstrong, NITOFLOOR, Fosroc
105.	Poly-Sulphide Sealant	Pidilite, Choksey, Makphalt
106.	Polyster Powder Coating Shades	Nerolac, J&N, Asian Paints.
107.	Rolling shutters	Rama Rolling Shutters, Jyoti Rolling Shutters, Anand Industries.
108.	Fire Sealant/ Fire Smoke Seal	HILTI, 3M INDIA, Fischer

Correction.....Nil.....
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Overwriting.....Nil.....

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109.	Structural Silicone	Dow Corning, Wacker.
110.	Spider Fittings	Dorma, Sevax.
111.	Tempered Glass	Modi Float, Saint-Gobain,
112.	Clay Tiles on Roof	Kenzai, Johnson.
113.	Water Proofing Compound	Fosroc, Pidilite, MYK, Sunanda Specialty Coating
114.	S.S. Wire mesh	Sterling Enterprises, Trimurty Welded Mesh, Tiger Brand, Grand Metal Corporation.
115.	Polycarbonate Sheet	GE LEXAN, Danpalon, Gallina, DPI System, MPP
116.	Glass Film for interior & Exterior	3M, Shibuza, Saint-Gobain
117.	FRP Door & Chajja	Rajshree, Fiber Engineer, Selected Door Co., Fiber Techno Products.
118.	Anti-termite chemicals- Chloropyriphos	Srchloro 20 TC, Vadh, Durban-20, Pyramid-20
119.	RMC	ULTRATECH, ACC, LAFARGE
120.	Modular Kitchen accessories (Basket, Handle, Hinges, Telescopic channels etc.)	Stallion, Hettich, Hafele
121.	G.I. Profile sheet of all patterns	SAIL, Tata & Jindal (Hisar)
122.	APP water proofing Treatment	Fosroc, Pidilite, Makphalt, Sika, Velosit
123.	PVC door frames & shutters	Sintex, Rajshri Plastiwood, Finolex Plastics
124.	Anti-corrosive epoxy coating	FOSROC, Sikka, Pidilite
125.	Float Glass	Saint-Gobain, Modi, Ashai India
126.	Reinforcement cleaning agents	FOSROC, Sikka, Armstrong Chemicals Private Limited
127.	Non-re-emulsifying latex bonding	NITOBOND, FOSROC, Sikka Latex,
128.	Frosted decorative sparkle film	LLUMAR, 3M
129.	Glazed GRC Tiles	Unistone, Nitco, Hindustan Tiles
130.	Silicon Sealant	Pidilite, Forsoc, Mcoy
131.	Fibre Glass sheet	Koemmerling, Greenply
132.	Melamine Polish	Asian Paints, Melamine Gold wudfin, Dulux, Pidilite
133.	Wood Plastic Composite Board	Alstone, Century, Aluplast
134.	Hybrid Poly urea / Elastomeric water proofing material	Fosroc, Pidilite, Sika, Sunanda, Mapei
135.	Furniture Items	Rockworth, Godrej, Haworth,
136.	Rock Wool	ROCKWOOL Asia, Roxul Rockwool, Kanuf
137.	Toughened Glass	Saint-Gobain, Asahi,
138.	Polysulphide sealant	FOSROC, SIKA, Pidilite, MYK, Laticrete, STP LTD

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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139.	High Pressure Laminate (HPL)	Greenlam, Century, Archid Ply, Merino
140.	Sunglass Film for interior & Exterior	Saint-Gobain, Shibuza, 3M
141.	PVC Self adhesive decorative film	Reatec, Proton, Bodaq
142.	Glass fiber wall coverings	Saint-Gobain Classic, Novelio, Newmore, Nilaya.
143.	Fiber Glass Ready made door shutter & frame.	Ashoo, Everdoor Composites, Fibreways Technology, Ashish Industries FRP.
144.	Glass Mosaic Tiles	Bisazza, Mridul, OPIO, Palladio, IT
145.	Waterproofing Compound (Crystalline)	Kryton, Penetron, MYK, Arment, Velosit, STP Ltd.
146.	Elastomeric Acrylic UV resistant liquid applied coating	Pidilite, Sika, Fosroc, Mapei
147.	Moisture Resistant HDF/MDFBoard	Action Tesa, Greenpanel, Century, Greenply
148.	Rock Wool Insulation	LLOYDS, ROXUL Rockwool, KANUF
149.	uPVC Door/Windows Hardware	G-U, YALE, HOPPE, HIVIK
150.	Cement Fibre Board	Lafarge, Century, NCPL, Everest
151.	Gypsum Plaster	Ultratech, Ferrouscrete, Sakarni, Berg ER, JK Plasto MAX, Elite (90) of Gyprock
152.	Cement based Ready Mix Plaster	Ultratech, MYK Arment, Saint Gobain, Ardex Endura, Ferrouscrete
153.	Pre-Cast GRC Jali	Birla GRC, Unistone, Dalal
154.	Polysulphide sealant	Fosroc, Sika, Pidilite, MYK, Laticrete, STP Ltd
155.	Stainless Steel	JSW, SAIL, TATA Steel, JSPL
156.	Curing Compound	Sika, Pidilite, Fosroc, BASF, MYK Arment, STP LTD
157.	Metal / Glazed- Fire rated Door System	Pacific Fire Controls, Shakti-Hormann, Bhawani Fire
158.	Anodised Aluminium Hardware (Heavy Duty)	Jindal Aluminium, BALCO, NALCO, INDALCO, HINDALCO
159.	Aluminium Structural Members –Windows, Glazing and Partitions	Jindal, Hindalco, Nalco, INDALCO
160.	Acoustical Tile False ceiling	Armstrong, SAINT Gobain, DEXUNE, Aerolite
161.	Tile Grout	MYK Laticrete, Pidilite, BASF, Ferrouscrete
162.	Modular Toilet Cubicles	Merino, Greenlam, Dormakaba
163.	Hardware for Fire Check Door/ panic bar/panic trim/ door closer/ hinges/ mortise lock / Dead Lock, etc.	Dormakaba, Geze, Hormann, Briton, Becker FS
164.	EPDM Gasket	IGP, Crown Gasket, Osaka
165.	SS Wire Mesh	GKD, WMW, Equivalent AS Approved by Engineer in Charge

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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166.	Deck Sheet	JSW, TATA Bluescope, Interarch, JSPL, Roofclad
167.	SELF-Drilling Screws	TW Buildex&Bousted, Corroshield, Atul Faterners ltd., Wurth, HP
168.	Tactile	Somany, Kajaria, Orient Bell, Johnson, Asian(Agl), Restile, Pavit
169.	Ready Mix Plaster	Birla Aerocon, Ultratech, Ramco, Weber, Laticrete
170.	LGSF Frame	Tata Blue Scope, J.S.W, Essar, Ispat Steel,
171.	Fibre Glass Sheet	Simcryl (Simba), Fibreways, Advance Fibre, ROOFCLAD
172.	FRP Chajja, Sheet & Doors, FRP Shutters, Railings, Covers	Fibreways, Kutty, Jindal Stainless, Bhatt Fibreways, Wurth, Sika
173.	Hdpe Pipes & Fittings	Supreme, Aashirvad, Oriplast
174.	Revolving Doors	Dorma, Geze, Kone, Boonedam
175.	Glass Railing	Q RAIL, NEKI, KICH, FAÇADE ONE, ALLY DZINE Services Pvt. Ltd
176.	PU Based Elastomeric Water Proofing Material	Fosroc (Brassbond roof guard), Sikka (Sikalastic-562 IN), Mapei, Sunanda,
177.	Water Proofing Primer	Fosroc (Nitoproof WB Primer), Sikka (Sikalastic-11 Primer W), Mapei, Sunanda

- Note:-**
- 1) Contractor has to bring samples as per above preferred brands only and Engineer in Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.**
 - 2) Items which are not included in the list but required at site, brand will be approved before use from the NIT approving authority.**

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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GENERAL CONDITIONS FOR SUPPLY OF MATERIALS

1. The sample of all the items shall have to be got approved by the Contractor from the Engineer-in-charge before the supply commences and shall be without prejudicated right of Engineer-in-Charge to get random samples tested out of the actual lot received.
2. The contractor shall, if required, furnish the manufacturer's test certificate of the material supplied, satisfying the requirements of the relevant specifications.
3. The Engineer-in-Charge shall be at liberty to take respective sample(s) of each item of schedule of quantity in any approved laboratory as decided by him. The sample for testing shall be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance and packing & testing charges etc. shall be borne by the contractor himself. In case any sample particular lot fails in testing the contractor shall be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot shall be returned to the contractor only after fresh lot is supplied. Testing charges shall be borne by the contractor.
4. Rejected materials shall have to be removed by the contractor at his own cost immediately on the instructions of doing so.
5. In case of any dispute regarding rejection of quality of materials the decision of the Engineer-in-charge shall be final and binding upon the contractor.
6. Royalty octroi terminal, tax etc. at prevalent rates shall have to be paid by the contractor himself and the rates quoted by him, shall include these taxes / duties and nothing extra shall be payable on this account.
7. The contractor shall have to produce the cash memo / bill to satisfy department that the material has been purchased from the authorized dealer and the GST has been paid.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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Annexure-XVIII (FORM 31)

INDENTURE FOR SECURED ADVANCES

(Referred to in paragraphs 10.2.20 and 10.2.22 of CPWA Code)

(For use in cases in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time)

THIS INDENTURE made the day of20.....

BETWEEN (hereinafter called the Contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) of the one part and the PRESIDENT OF INDIA (hereinafter called the President which expression shall where the context so admits or implies be deemed to include his successors in office and assigns) of the other part.

WHEREAS by an agreement dated (hereinafter called the said agreement) the Contractor has agreed AND

WHEREAS the Contractor has applied to the President that he may be allowed advances on the security of materials absolutely belonging to him and brought by him to the site of the works, the subject of the said agreement, for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges) AND WHEREAS the President has agreed to advance to the Contractor the sum of Rupees on the security of materials, the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account Bill for the said works signed by the Contractor on and the President has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees on or before the execution of these presents paid to the Contractor by the President (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid, the Contractor doth hereby covenant and agree with the President and declare as follows: -

- (1) That the said sum of Rupees so advanced by the President to the Contractor as aforesaid and all or any further sum or sums advanced as aforesaid shall be employed by the Contractor in or towards expediting the execution of the said works and for no other purpose whatsoever.
- (2) That the materials detailed in the said Account of Secured Advances which have been offered to and accepted by the President as security are absolutely the Contractor's own property and free from encumbrances of any kind, and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind, and the Contractor indemnifies the President against all claims to any materials in respect of which an advance has been made to him as aforesaid.
- (3) That the materials detailed in the said Account of Secured Advances and all other materials on the security of

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Divisional Officer Division (hereinafter called the Divisional Officer) and in the terms of the said agreement.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid, the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Divisional Officer or any officer authorised by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof, the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same as required by the Divisional Officer.

(5) That the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorised by him on that behalf.

(6) That the advances shall be repayable in full when or before the Contractor receives payment from the President of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done, then on the occasion of each such payment the President will be at liberty to make a recovery from the Contractor's bill for such payment by deducting therefrom the value of the said materials then actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.

(7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents, the total amount of the advance or advances that may still be owing to the President shall immediately on the happening of such default be repayable by the Contractor to the President together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the President in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor, and the Contractor hereby covenants and agrees with the President to repay and pay the same respectively to him accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the President of the said sum of Rupees and any further sum or sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein, if and whenever the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid in accordance therewith, the President may at any time thereafter adopt all or any of the following courses as he may deem best: -

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement, debiting the Contractor with the actual cost of effecting such completion and the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor, he is to pay the same to the President on demand.

(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the President under these presents and pay over the surplus (if any) to the Contractor.

(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except in the event of such default on the part of the Contractor as aforesaid, interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement, the provisions of these presents shall prevail, and in the event of any dispute or difference arising over the construction or effect of these presents, the settlement of which has not been herein before expressly provided for, the same shall be finally resolved as per provisions of clause 25 of the contract.

In witness whereof the said and by the order and under the direction of the President have hereunto set their respective hands the day and year first above.

written. Signed, sealed and delivered by the said contractor in the presence of

Signature.....
Witness Name
..... Address
Signedby.....
by the order and direction of the President in the presence of Signature
Witness Name
..... Address

APPENDIX–XVII(ReferClause5)

FORM OF APPLICATION BY THE CONTRACTOR FOR SEEKING EXTENSION OF TIME

1. Name of contractor
2. Name of work as given in the agreement
3. Agreement no
4. Estimated amount put tender
5. Date of commencement of work as per agreement
6. Period allowed for completion of work as per agreement
7. Date of completion stipulated in agreement
8. Period for which extension of time if has been given by authority in Schedule 'F' previously

	Letter no. and date	Extension granted	
		Months	Days
(a) 1 st extension.....			
(b) 2 nd extension			
(c) 3 rd extension			
(d) 4 th extension			
(e) Total extension previously given			

9. Reasons for which extension have been previously given (copies of the previous applications should be attached)
10. Period for which extension if applied for
11. Hindrances on account of which extension is applied for with dates on which hindrances Occurred and the period for which these are likely to last (for causes under clause 5.2/ and 5.3) . Submitted to the Authority indicated in Schedule F with copy to the Engineer-in-charge and Sub Divisional Officer

Signature of
Contractor Dated.

FORM OF BANK GUARANTEE BOND FOR EARNEST MONEY

1. In consideration of the President of India (hereinafter called “The Government”) having agreed to exempt _____ (hereinafter called the said contractor(s) from the demand under the terms and conditions of Tender No. _____ invited for the work of _____ (hereinafter called “The said tender”) part earnest money for compliance of his obligations in accordance with the terms and conditions of the said tender, on production of a irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only), we _____ (indicate the name of the bank) (hereinafter referred to as “the Bank) hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the Government.

2. We _____ (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, 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(s). 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. _____ (Rupees _____ only).

3. We _____ (indicate the name of the bank) the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We _____ (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the said tender and that it shall continue to be enforceable till all the dues of the government under or by virtue of the said tender have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Government certified that the terms and conditions of the said tender have been fully and properly carried out by the said contractor (s) and accordingly discharges this guarantee.

5. We _____ (indicate name of the bank) further agree with the Government that the government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said tender or to extend time of tender by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to for bear or enforce any of the terms and conditions relating to the said tender and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any for-balance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter of thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

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8. This guarantee shall be valid up to _____ unless extended on demand by 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 six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Date the _____ day of _____ for

(Indicate the name of Bank)

Form of Performance Security (Guarantee)
Bank Guarantee Bond

In consideration of the President of India (hereinafter called “The Government”) having offered to accept the terms and conditions of the proposed agreement between.....and (hereinafter called “the said Contractor(s)”) for the work..... (hereinafter called “the said agreement”) having agreed to production of an irrevocable Bank Guarantee for Rs. Rupees only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, (hereinafter referred to as “the Bank”) hereby undertake to pay to the Government an amount not exceeding ₹. (Rupees..... Only) on demand by the Government.
2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as 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 ₹. (Rupeesonly)
3. We, the said bank further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in- Charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, (indicate the name of the Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) 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(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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7. We, (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid uptounless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to ₹. (Rupees) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated theday offor.....(indicate the name of the Bank)

FORM OF BANK GUARANTEE BOND FOR SECURITY DEPOSIT

1. In consideration of the President of India (hereinafter called “The Government”) having agreed to exempt _____ (hereinafter called the said contractor(s)) from the demand, under the terms and conditions of the Agreement No. _____ dated _____ made between _____ and _____ for the work of _____ (hereinafter called “The said Agreement”) security deposit beyond first 2.5% of tendered value for the due fulfillment by the said contractor(s) of the terms & conditions contained in the said Agreements on production of a irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only), we _____ (indicate the name of the bank) (hereinafter referred to as “the Bank) hereby undertake to pay to the Government an amount not exceeding Rs. _____ (Rupees _____ only) on demand by the Government.

2. We _____ (indicate the name of the bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, 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(s). 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. _____ (Rupees _____ only).

3. We _____ (indicate the name of the bank) further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We _____ (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Government certified that the terms and condition of the said agreement have been fully and properly carried out by the said contractor (s) and accordingly discharges this guarantee.

5. We _____ (indicate name of the bank) further agree with the Government that the government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to for bear 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(s) or for any for-bearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter of thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

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7. We _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid up to _____ unless extended on demand by 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 six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date the _____ day of _____ for

(Indicate the name of Bank)

**GUARANTEE TO BE EXECUTED BY CONTRACTOR FOR REMOVAL OF DEFECTS AFTER
COMPLETION OF WORK IN RESPECT OF WATER PROOFING
WORKS/SANITARY/ALUMINIUM WORK.**

The agreement made this..... day of (Two Thousand _____ only)..... betweenS/o(hereinafter called the GUARANTOR of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part)

Whereas this agreement is supplementary to a contract (hereinafter called the Contract) date _____ and made between the GUARANTOR of the one part and the GOVERNMENT of the other part where by the Contractor inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak proof.

And whereas the Guarantor agreed to give a guarantee to the effect that the said structures will remain water / leak proof for ten years from the date of completion of work.

Now the Guarantor hereby guarantees that water proofing treatment given by him will render the structures completely leak proof and the minimum life of such water proofing treatment shall be ten years to be reckoned from the date completion of work.

Provided that the Guarantor will not be responsible for leakage caused by earthquakes or structural defects or misuse of roof or alterations and for such purpose

- a) Misuse of roof shall mean by operation, which will damage roofing treatment, like chopping of firewood and things of the same nature, which might cause damage to the roof.
- b) Alteration shall mean construction of an additional storey or a part of roof or construction adjoining to existing roof, where by roofing treatment is removed in parts.

The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

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

That if the Guarantor fails to execute the necessary rectification or commits breach there under then the Guarantor will indemnify the Principal Employer and his successors against all loss, damage, cost expense or otherwise which may be incurred by him by reasons of any default on the part of GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and / or cost incurred by the Government, the decision of the Engineer-in-Charge will be final and binding on the parties.

In witness where of these presents has been executed by the Obligator _____ and _____ by _____ for and on behalf of the PRESIDENT OF INDIA on the day month and year first above written.

Signed, sealed and delivered by (OBLIGATOR) in the presence of:

1.

2.



Signed for and on behalf of THE PRESIDENT OF INDIA BY _____ in the presence of:

1.

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

	लोक निर्माण विभाग सचिवालय PUBLIC WORKS DEPARTMENT SECRETARIAT, दिल्ली सरकार GOVT OF NCT OF DELHI, तृतीय तल, एम० एस० ओ० भवन, इंद्रप्रस्थ सम्पदा, आई० टी० ओ०, नई दिल्ली -०२ 3rd FLOOR, MSO BUILDING, IP ESTATE, ITO, NEW DELHI-02	
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F.10(31)/2023/PWD-I/Court Matters/ 4309-17

Dated: 21/04/2025

OFFICE ORDER

Subject: Deletion of Arbitration Clause (Clause 25) from GCC of all future Contracts of PWD.

The Competent Authority has decided that the Arbitration Clause (Clause 25: Settlement of Disputes & Arbitration) shall be deleted from the GCC of all future contracts of PWD with effect from the date of issuance of this order.

Further, the following clause may be added in place of Arbitration Clause:-

"Any disputes arising between the parties to this agreement/contract shall be subject to the exclusive jurisdiction of Courts in Delhi only."

This issues with the approval of Competent Authority.


 (RUCHIKA KATYAL)
 Spl. Secretary (PWD)

F.10(31)/2023/PWD-I/Court Matters/ 4309-17

Dated: 21/04/2025

Copy for information and compliance to:-

1. PS to Principal Secretary (PWD), 3rd Floor, MSO Building, PWD, New Delhi.
2. E-in-C, PWD, 12th Floor, MSO Building, PWD, New Delhi.
3. Pr. Chief Engineer (Projects), 9th Floor, MSO Building, PWD, New Delhi..
4. Pr. Chief Engineer (Maintenance), 12th Floor, MSO Building, PWD, New Delhi.
5. All the Chief Engineers/Superintendent Engineers/Executive Engineers.
6. The COA, PWD, 13th Floor, MSO Building, PWD, New Delhi
7. The Director (Works), 3rd Floor, MSO Building, PWD, New Delhi
8. DS (Works), PWD, 3rd Floor, MSO Building, PWD, New Delhi
9. M/s Calibre Pvt. Ltd. for updation on PWD FMS Portal.


 (RUCHIKA KATYAL)
 Spl. Secretary (PWD)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/Manual-2024/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 27.02.2026

Sub: Modification in Para 5.2 for CPWD Works Manual 2024.

Following modification is made in Para no. 5.2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
<p>5.2 Performance Guarantee</p> <p>Sl. No. 1</p> <p>2. PG shall be 5% of the contract amount or as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.</p> <p>Sl. No. 3</p> <p>4. No provision</p> <p>5. No provision</p>	<p>5.2 Performance Guarantee</p> <p>No Change</p> <p>2. PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher, or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.</p> <p>No Change</p> <p>4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.</p> <p>5. Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be</p>

[Signature] P. Jindal
Contract

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

	<p>0.8A – 0.7A). 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.</p>
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This is issues with the approval of DG CPWD.

(चन्द्र पाल)
अधीक्षण अभियंता (सी.एण्ड.एम.)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/16(1)/2026 e-file 9212995 (DFA/ 9365789)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनवि वेबसाईट के माध्यम से)

D.P. Jindal
21/2/26

D.P. Jindal
EE (Contract)

UNDERTAKING

Our firm/Company is not debarred, backlisted, or banned by any Government Department, Public Sector Undertaking (PSU), Autonomous Body, or Local Authority in India. In case any declaration or information furnished by us is found to be incorrect, the department shall have absolute rights to cancel our bid/contract and take suitable action against us as per rule.

SIGNATURE OF BIDDER(S)

Correction.....Nil.....
Deletion.....Nil.....
Insertion.....Nil.....
Overwriting.....Nil.....

AE (P)

EE

List of Schools for White Wash, School wise breakup Quantities and Schedule of Quantities (Civil)

School wise breakup of Quantities of SOQ of Civil work (Part-B)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

SOQ Item No.	DSR-2023 Code	Short Description of Item	Unit	SKV No. 2 Khyala	SV East Punjabi Bagh	GGSSS No.1 Madipur	Go Co-ed SSS Karampura H Block	SKV No. 2, Madipur-Toilet	GGSSS West Patel Nagar	SBV Moti nagar	SBV Ramesh Nagar	SBV West Patel Nagar	SKV Moti Nagar	SKV Ranjit nagar	SKV West Patel Nagar	SKV Hari Nagar Clock Tower	SKV Rajouri garden	GGSSS raghubir nagar	GBSSS shadi khampur	SKV Ramesh nagar	GBSSS west patel nagar	SBV Chand Nagar	SBV No. 1, Tilak Nagar	SBV No. 3, Tilak nagar	SBV No. 2, Tilak nagar	Total Qty.
		School ID		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
		Building ID		1514013	1515004	1515028	1516104	1515024	1516141	1516010	1516002	1516143	1516018	1516021	1516142	1514021	1515022	1515030	1516011	1516027	1516140	1514110	1514005	1514016	1514006	
1	4.1	Providing and laying in position cement concrete All work up to plinth level :																								
1.1	4.1.10	1:5:10	Cum	8	0	0	8	8	0	12	0	3	0	0	0	3	6	0	5	5	6	3	5	5	5	82
2	4.2	Providing and laying cement concrete.....																								
2.1	4.2.3	1:2:4.....	Cum	4	0	0	4	4	0	6	0	7	0	0	0	5	6	1	6	9	6	1	4	9	9	81
2.2	4.2.8	1:5:10.....	Cum	16	0	0	16	5	0	24	0	27	0	0	0	16	24	2	19	26	24	5	19	32	32	287
3	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished.....																								
3.1	8.2.3	Granite stone slab of all colour and texture except black, Cherry/Ruby red																								
3.1.1	8.2.3.1	Area of slab upto 0.50 sqm	Sqm	7	0	0	7	4	0	9	0	7	0	0	0	5	7	1	10	10	7	1	6	10	10	101
3.1.2	8.2.3.2	Area of slab over 0.50 sqm	Sqm	22	0	0	22	11	0	26	0	26	0	0	0	15	22	4	30	30	22	4	19	30	30	313
4	8.10	Providing and fixing stone slab with table																								
4.1	8.10.2	Granite Stone of approved shade	Sqm	10	0	0	10	3	0	6	0	5	0	0	0	1	19	3	2	2	19	3	16	26	26	151
5	8.31	Providing and fixing 1st quality ceramic glazed wall tiles....	Sqm	721	0	0	961	360	0	841	0	911	0	0	0	480	721	92	840	840	721	100	721	961	961	10231
6	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised....																								
6.1	9.96.2	250x16 mm	Each	36	0	0	36	24	0	42	0	36	0	0	0	24	36	5	48	48	36	6	36	48	48	509
7	9.97	Providing and fixing aluminium tower bolts,																								
7.1	9.97.2	250x10 mm	Each	36	0	0	36	24	0	42	0	36	0	0	0	24	36	5	48	48	36	6	36	48	48	509
7.2	9.97.4	150x10 mm	Each	36	0	0	36	24	0	42	0	36	0	0	0	24	36	5	48	48	36	6	36	48	48	509
8	9.100	Providing and fixing aluminium handles,																								
8.1	9.100.2	100 mm	Each	72	0	0	72	48	0	84	0	72	0	0	0	48	72	8	96	96	72	12	72	96	96	1016
9	11.39	Providing and laying rectified Glazed Ceramic floor tiles	Sqm	216	0	0	288	144	0	287	0	246	0	0	0	164	246	24	216	216	238	36	180	288	288	3077
10	11.56	Providing and laying Polished Granite stone																								
10.1	11.56.2	Polished Granite stone slab	Sqm	21	0	0	21	14	0	32	0	27	0	0	0	18	27	5	27	27	27	5	23	36	36	346
11	13.41	Distemping with 1st quality acrylic distemper.....																								
11.1	13.41.1	New work (two or more coats)	Sqm	2599	2770	2695	454	227	3155	2820	3000	4596	1340	2490	2785	303	454	76	605	605	454	4241	378	605	605	37257
12	13.46	Finishing walls with Acrylic.....																								
12.1	13.46.1	New work (Two or more coat).....	Sqm	123	77	888	0	0	77	169	153	1400	169	306	215	0	0	0	0	0	0	77	0	0	0	3654
13	13.80	Providing and applying white cement based putty	Sqm	2268	2847	3583	0	0	3232	2459	3153	5800	1509	2796	3000	0	0	0	0	0	0	4242	0	0	0	34889
14	13.81	Distemping with 1st quality acrylic distemper.....																								
14.1	13.81.1	Old work (one or more coats) Removing dry or oil bound distemper.....	Sqm	6450	8310	8090	0	0	9460	6880	9000	12800	4020	7470	8360	0	0	0	0	0	0	12100	0	0	0	92940
15	13.91	Painting with synthetic enamel paint	Sqm	2574	2700	3440	454	227	3090	2840	3010	5954	1360	2650	2850	303	454	76	605	605	454	4176	378	605	605	39410
16	13.99	Painting with synthetic enamel paint																								

School wise breakup of Quantities of SOQ of Civil work (Part-B)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

SOQ Item No.	DSR-2023 Code	Short Description of Item	Unit	SKV No. 2 Khyala	SV East Punjabi Bagh	GGSSS No.1 Madipur	Go Co-ed SSS Karampura H Block	SKV No. 2, Madipur-Toilet	GGSSS West Patel Nagar	SBV Moti nagar	SBV Ramesh Nagar	SBV West Patel Nagar	SKV Moti Nagar	SKV Ranjit nagar	SKV West Patel Nagar	SKV Hari Nagar Clock Tower	SKV Rajouri garden	GGSSS raghubir nagar	GBSSS shadi khampur	SKV Ramesh nagar	GBSSS west patel nagar	SBV Chand Nagar	SBV No. 1, Tilak Nagar	SBV No. 3, Tilak nagar	SBV No. 2, Tilak nagar	Total Qty.
16.1	13.99.1	One or more coats on old work	Sqm	4432	5510	3110	182	91	6340	4552	5850	6262	2590	4880	5380	121	182	31	182	182	182	8211	152	242	242	58906
17	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :																								
17.1	13.111.1	Old work (Two or more coat....	Sqm	370	230	2670	0	0	230	510	460	3720	510	920	650	0	0	0	0	0	0	230	0	0	0	10500
18	14.1	Repairs to plaster of thickness 12 mm to 20 mm																								
18.1	14.1.2	With cement mortar 1:4 ...	Sqm	210	150	150	60	30	150	453	150	215	150	150	150	44	434	10	24	24	48	160	50	80	80	2972
19	14.82	Dismantling W.C. Pan of all sizes	Each	30	0	0	30	15	0	42	0	30	0	0	0	20	30	5	40	40	30	5	25	40	40	422
20	15.2	Demolishing cement concrete																								
20.1	15.2.1	Nominal concrete 1:3:6 or richer....	Cum	4	0	0	4	4	0	6	0	7	0	0	0	5	6	1	6	9	6	1	4	9	9	81
20.2	15.2.2	Nominal concrete 1:4:8	Cum	24	0	0	24	13	0	36	0	30	0	0	0	19	30	2	24	31	30	8	24	37	37	369
21	15.23	Dismantling tile work in floors and roofs																								
21.1	15.23.1	For thickness of tiles 10 mm	Sqm	937	0	0	1249	504	0	1128	0	1157	0	0	0	644	967	116	1056	1056	959	136	901	1249	1249	13308
22	15.25	Dismantling stone slab flooring....	Sqm	30	0	0	30	15	0	35	0	30	0	0	0	20	30	5	24	24	30	5	25	40	40	383
23	15.42	Dismantling C.I. or asbestos rain water pipe																								
23.1	15.42.2	100 mm dia pipe	Metre	150	0	0	150	75	0	175	0	150	0	0	0	100	150	25	200	200	150	25	125	200	200	2075
24	15.60	Disposal of building rubbish / malba /	Cum	100	10	10	90	45	10	115	10	100	10	10	10	60	90	10	120	120	90	25	75	120	120	1350
25	16.90	Providing and laying tactile tile	Sqm	7	0	0	7	4	0	8	0	7	0	0	0	5	7	1	10	10	7	1	6	10	10	100
26	17.1	Providing and fixing water closet																								
26.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	30	0	0	30	15	0	35	0	30	0	0	0	20	30	5	40	40	30	5	25	40	40	415
27	17.2	Providing and fixing white vitreous china pedestal type water closet																								
27.1	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	6	0	0	6	3	0	7	0	6	0	0	0	4	6	2	8	8	6	1	5	8	8	84
28	Based on DSR Item 17.5.1	Providing and fixing white vitreous china flat																								
28.1	17.5.1	Half stall urinal	Each	24	0	0	24	12	0	14	0	12	0	0	0	2	4	4	6	6	4	4	20	32	32	200
29	17.7	Providing and fixing wash basin																								
29.1	17.7.4	White Vitreous China Flat back wash basin	Each	6	0	0	6	3	0	7	0	6	0	0	0	4	6	2	8	8	6	1	5	8	8	84
30	17.28	Providing and fixing P.V.C. waste pipe....																								
30.1	17.28.2	Flexible pipe																								
30.1.1	17.28.2.1	32 mm dia	Each	54	0	0	54	27	0	40	0	32	0	0	0	21	32	9	44	44	32	9	45	72	72	587
31	17.32	Providing and fixing mirror of superior glass ...																								
31.1	17.32.2	Rectangular shape 453x357 mm	Each	24	0	0	24	12	0	28	0	24	0	0	0	16	24	4	24	24	24	4	20	32	32	316
32	17.35	Providing and fixing soil, waste and vent pipes :																								
32.1	17.35.1	100 mm dia																								
33	17.35.1.2	Centrifugally cast (spun) iron socket & spigot....	Metre	240	0	0	240	120	0	301	0	246	0	0	0	164	360	10	200	200	180	40	200	320	320	3141

School wise breakup of Quantities of SOQ of Civil work (Part-B)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

SOQ Item No.	DSR-2023 Code	Short Description of Item	Unit	SKV No. 2 Khyala	SV East Punjabi Bagh	GGSSS No.1 Madipur	Go Co-ed SSS Karampura H Block	SKV No. 2, Madipur-Toilet	GGSSS West Patel Nagar	SBV Moti nagar	SBV Ramesh Nagar	SBV West Patel Nagar	SKV Moti Nagar	SKV Ranjit nagar	SKV West Patel Nagar	SKV Hari Nagar Clock Tower	SKV Rajouri garden	GGSSS raghubir nagar	GBSSS shadi khampur	SKV Ramesh nagar	GBSSS west patel nagar	SBV Chand Nagar	SBV No. 1, Tilak Nagar	SBV No. 3, Tilak nagar	SBV No. 2, Tilak nagar	Total Qty.
34	17.37	Providing and fixing M.S. holder-.....																								
34.1	17.37.1	For 100 mm dia pipe	Each	30	0	0	30	15	0	35	0	30	0	0	0	20	30	2	40	40	30	5	25	40	40	412
35	17.38	Providing and fixing bend																								
35.1	17.38.1	100 mm dia																								
35.1.1	17.38.1.2	Sand cast iron S&S as per IS - 3989	Each	30	0	0	30	15	0	35	0	30	0	0	0	20	30	2	40	40	30	5	25	40	40	412
36	17.39	Providing and fixing plain bend of required degree.																								
36.1	17.39.1	100 mm dia																								
36.1.1	17.39.1.2	Sand cast iron S&S as per IS : 3989	Each	48	0	0	48	24	0	63	0	48	0	0	0	32	48	5	64	64	48	8	40	64	64	668
37	17.44	Providing and fixing single equal plain junction of required degree :																								
37.1	17.44.1	100x100x100 mm																								
37.1.1	17.44.1.2	Sand cast iron S&S as per IS - 3989	Each	60	0	0	60	30	0	70	0	60	0	0	0	40	60	5	80	80	60	10	50	80	80	825
38	17.56	Providing and fixing terminal guard :																								
38.1	17.56.1	100 mm																								
38.1.1	17.56.1.2	Sand cast iron S&S as per IS - 3989	Each	12	0	0	12	6	0	21	0	12	0	0	0	8	12	2	16	16	12	2	10	16	16	173
39	17.57	Providing and fixing collar :																								
39.1	17.57.1	100 mm																								
39.1.1	17.57.1.2	Sand cast iron S&S as per IS - 3989	Each	60	0	0	60	30	0	70	0	60	0	0	0	40	60	5	64	64	60	10	50	80	80	793
40	17.60	Providing and fixing trap																								
40.1	17.60.1	100 mm inlet and 100 mm outlet																								
40.1.1	17.60.1.1	Sand cast iron S&S as per IS: 3989	Each	48	0	0	48	24	0	56	0	48	0	0	0	32	36	6	64	64	36	8	40	64	64	638
41	18.7	Providing and fixing Chlorinated																								
41.1	18.7.3	25 mm nominal dia Pipes	Metre	150	0	0	150	75	0	175	0	150	0	0	0	100	240	20	200	200	210	25	125	200	200	2220
41.2	18.7.5	40 mm nominal dia Pipes	Metre	90	0	0	90	45	0	105	0	90	0	0	0	60	90	10	120	120	102	15	75	120	120	1252
42	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC).....																								
42.1	18.8.2	20 mm nominal dia Pipes	Metre	240	0	0	240	120	0	280	0	240	0	0	0	160	300	30	240	240	240	40	200	320	320	3210
43	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :																								
43.1	18.21.2	45 cm length																								
43.1.1	18.21.2.1	15 mm nominal bore	Each	54	0	0	54	27	0	70	0	54	0	0	0	35	54	7	72	72	66	9	45	72	72	763
44	18.48	Providing and placing on terrace	Litre	2000	0	0	2000	2000	0	5000	0	2000	0	0	0	2000	5000	2000	2000	2000	2000	1000	3000	3000	3000	38000
45	18.49	Providing and fixing C.P. brass bib cock																								
45.1	18.49.1	15mm nominal bore	Each	10	0	0	10	15	0	35	0	30	0	0	0	20	30	5	40	40	30	5	25	40	40	375
46	18.53	Providing and fixing C.P. brass angle valve.....																								
46.1	18.53.1	15mm nominal bore	Each	72	0	0	72	34	0	86	0	68	0	0	0	48	68	13	88	88	68	14	70	112	112	1013
47	26.86	Providing and fixing factory made single extruded WPC																								
		Note: For WPC solid																								
47.1	26.86.2	Frame size 45 x 85 mm	Metre	149	0	0	149	74	0	173	0	149	0	0	0	99	178	20	158	158	178	25	124	198	198	2030
48	26.87	Providing and fixing factory made single extruded WPC																								
48.1	26.87.1	30 mm thick	Sqm	44	0	0	44	22	0	51	0	44	0	0	0	29	53	6	47	47	53	7	37	59	59	602

School wise breakup of Quantities of SOQ of Civil work (Part-B)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

SOQ Item No.	DSR-2023 Code	Short Description of Item	Unit	SKV No. 2 Khyala	SV East Punjabi Bagh	GGSSS No.1 Madipur	Go Co-ed SSS Karampura H Block	SKV No. 2, Madipur-Toilet	GGSSS West Patel Nagar	SBV Moti nagar	SBV Ramesh Nagar	SBV West Patel Nagar	SKV Moti Nagar	SKV Ranjit nagar	SKV West Patel Nagar	SKV Hari Nagar Clock Tower	SKV Rajouri garden	GGSSS raghubir nagar	GBSSS shadi khampur	SKV Ramesh nagar	GBSSS west patel nagar	SBV Chand Nagar	SBV No. 1, Tilak Nagar	SBV No. 3, Tilak nagar	SBV No. 2, Tilak nagar	Total Qty.
		Multiplying correction factor 0.973 on DSR 2023 items (as Per DG, CPWD OM Dated 08.08.2024) on (X)																								
		Add Cost Index @ 4.03% above on (Y)																								
49	NS/MR	Providing and fixing white vitreous china.....	Each	18	0	0	18	9	0	35	0	18	0	0	0	12	18	3	24	24	18	3	15	24	24	263
50	NS/ MR	Providing "NECO pipe joint Sealant/ Drip Seal PJS - 43"																								
50.1	(i)	100 mm	Each	360	0	0	360	180	0	343	0	480	0	0	0	240	360	30	240	240	360	60	300	480	480	4513
51	NS/ MR	Providing and fixing adjustable ceiling hanger clamp	Each	180	0	0	180	90	0	210	0	180	0	0	0	120	180	20	200	200	180	30	150	240	240	2400
52	NS/ MR	Making core cutting in slab/beam/ retaining walls any other R.C.C. masonry without vibration.....																								
52.1	(i)	100 to 125 mm dia. and depth 150 mm	Each	90	0	0	90	45	0	105	0	108	0	0	0	60	90	10	96	96	90	15	75	120	120	1210
53	NS/ MR	Providing and fixing C.P. brass																								
53.1		15mm nominal bore	Each	48	0	0	48	24	0	56	0	48	0	0	0	32	48	8	64	64	48	8	40	64	64	664
54	NS/ MR	Providing and fixing Stainless steel grating... Circular type																								
54.1		100 mm nominal dia	Each	30	0	0	30	15	0	35	0	30	0	0	0	20	30	5	40	40	30	5	25	40	40	415
55	NS/ MR	Credit of M.S. steel	Kg	300	0	0	300	150	0	350	0	331.58	0	0	0	200	200	50	400	466	200	50	250	400	400	4047.58

Schedule of Quantity (Civil Works)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

Sr. No.		Description of Item	Total Qty.	Unit	Rate (Rs)	Amount (Rs)
1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
1.1	4.1.10	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	82.00	Cum	6518.60	534525.00
2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
2.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	81.00	Cum	9895.20	801511.00
2.2	4.2.8	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	287.00	Cum	8519.20	2445010.00
3	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
3.1	8.2.3	Granite stone slab of all colour and texture except black, Cherry/Ruby red				
3.1.1	8.2.3.1	Area of slab upto 0.50 sqm	101.00	Sqm	4170.70	421241.00
3.1.2	8.2.3.2	Area of slab over 0.50 sqm	313.00	Sqm	3848.70	1204643.00
4	8.10	Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
4.1	8.10.2	Granite Stone of approved shade	151.00	Sqm	4051.85	611829.00
5	8.31	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.	10231.00	Sqm	1267.95	12972396.00
6	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
6.1	9.96.2	250x16 mm	509.00	Each	260.60	132645.00
7	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				0.00
7.1	9.97.2	250x10 mm	509.00	Each	115.15	58611.00
7.2	9.97.4	150x10 mm	509.00	Each	82.55	42018.00
8	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
8.1	9.100.2	100 mm	1016.00	Each	59.55	60503.00
9	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4(1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	3077.00	Sqm	1330.00	4092410.00

10	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.				
10.1	11.56.2	Polished Granite stone slab of all colour and texture except Black, Cherry/Ruby Red	346.00	Sqm	3071.05	1062583.00
11	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
11.1	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	37257.00	Sqm	185.65	6916762.00
12	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
12.1	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	3654.00	Sqm	160.60	586832.00
13	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	34889.00	Sqm	156.05	5444428.00
14	13.81	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour				
14.1	13.81.1	Old work (one or more coats)	92940.00	Sqm	62.70	5827338.00
15	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	39410.00	Sqm	25.15	991162.00
16	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
16.1	13.99.1	One or more coats on old work	58906.00	Sqm	102.80	6055537.00
17	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :				
17.1	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface).	10500.00	Sqm	120.75	1267875.00
18	14.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
18.1	14.1.2	With cement mortar 1:4 (1cement: 4 coarse sand)	2972.00	Sqm	560.50	1665806.00
19	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	422.00	Each	134.10	56590.00
20	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
20.1	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	81.00	Cum	2434.25	197174.00
20.2	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	369.00	Cum	1503.60	554828.00
21	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
21.1	15.23.1	For thickness of tiles 10 mm to 25 mm	13308.00	Sqm	73.40	976807.00
22	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	383.00	Sqm	266.45	102050.00
23	15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
23.1	15.42.2	100 mm dia pipe	2075.00	Metre	78.00	161850.00
24	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	1350.00	Cum	263.95	356333.00
25	16.90	Providing and laying tactile tile (for vision impaired persons as per standards) of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS:15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	100.00	Sqm	2017.60	201760.00

26	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
26.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	415.00	Each	6767.40	2808471.00
27	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
27.1	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	84.00	Each	6515.55	547306.00
28	Based on DSR Item 17.5.1	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556 and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :				
28.1		Half stall urinal	200.00	Each	7506.35	1501270.00
29	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
29.1	17.7.4	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	84.00	Each	1879.20	157853.00
30	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
30.1	17.28.2	Flexible pipe				
30.1.1	17.28.2.1	32 mm dia	587.00	Each	119.55	70176.00
31	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
31.1	17.32.2	Rectangular shape 453x357 mm	316.00	Each	1361.80	430329.00
32	17.35	Providing and fixing soil, waste and vent pipes :				
32.1	17.35.1	100 mm dia				
33	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	3141.00	Metre	1180.75	3708736.00
34	17.37	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :				
34.1	17.37.1	For 100 mm dia pipe	412.00	Each	362.85	149494.00
35	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
35.1	17.38.1	100 mm dia				
35.1.1	17.38.1.2	Sand cast iron S&S as per IS - 3989	412.00	Each	705.20	290542.00
36	17.39	Providing and fixing plain bend of required degree.				
36.1	17.39.1	100 mm dia				
36.1.1	17.39.1.2	Sand cast iron S&S as per IS : 3989	668.00	Each	570.05	380793.00
37	17.44	Providing and fixing single equal plain junction of required degree :				
37.1	17.44.1	100x100x100 mm				
37.1.1	17.44.1.2	Sand cast iron S&S as per IS - 3989	825.00	Each	811.90	669818.00
38	17.56	Providing and fixing terminal guard :				
38.1	17.56.1	100 mm				
38.1.1	17.56.1.2	Sand cast iron S&S as per IS - 3989	173.00	Each	506.00	87538.00
39	17.57	Providing and fixing collar :				
39.1	17.57.1	100 mm				
39.1.1	17.57.1.2	Sand cast iron S&S as per IS - 3989	793.00	Each	513.15	406928.00
40	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
40.1	17.60.1	100 mm inlet and 100 mm outlet				
40.1.1	17.60.1.1	Sand cast iron S&S as per IS: 3989	638.00	Each	1996.50	1273767.00
41	18.7	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				
41.1	18.7.3	25 mm nominal dia Pipes	2220.00	Metre	401.55	891441.00
41.2	18.7.5	40 mm nominal dia Pipes	1252.00	Metre	702.95	880093.00

42	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
42.1	18.8.2	20 mm nominal dia Pipes	3210.00	Metre	537.60	1725696.00
43	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
43.1	18.21.2	45 cm length				
43.1.1	18.21.2.1	15 mm nominal bore	763.00	Each	97.75	74583.00
44	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	38000.00	Litre	11.00	418000.00
45	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
45.1	18.49.1	15mm nominal bore	375.00	Each	506.80	190050.00
46	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
46.1	18.53.1	15mm nominal bore	1013.00	Each	574.30	581766.00
47	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory 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.				
47.1	26.86.2	Frame size 45 x 85 mm	2030.00	Metre	926.35	1880491.00
48	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm 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)				
48.1	26.87.1	30 mm thick	602.00	Sqm	4346.70	2616713.00
		Total			(X)	77544911.00
		Multiplying correction factor 0.973 on DSR 2023 items (as Per DG, CPWD OM Dated 08.08.2024) on (X)			(Y)	75451198.00
		Add Cost Index @ 4.03% above on (Y)				3040683.00
49	NS/MR	Providing and fixing white vitreous china oval shape counter wash basin of size 560x470 mm with 15 mm CP Brass pillar cock, 32 mm CP brass waste coupling of standard pattern, including cutting and making good the walls/floor wherever required. All complete as per directions of Engineer-in-charge.	263.00	Each	2464.25	648098.00
50	NS/ MR	Providing "NECO pipe joint Sealant/ Drip Seal PJS - 43" (of approved make) caulked joints or equivalent to sand cast iron/ centrifugally cast (spun) iron pipes and fittings of diameter i/c testing to ascertain leak proof joints as per the direction of Engineer in-charge.				
50.1	(i)	100 mm	4513.00	Each	389.45	1757588.00

51	NS/ MR	Providing and fixing adjustable ceiling hanger clamp for Hubless centrifugally cast iron pipe comprising of 02 nos. full threaded 8 mm dia. rod length upto 600mm, fixed/ connected to ceiling by dash fastner M8 and bottom support of M.S. angle 30x30x3mm with nut & washer including drilling holes in CC/ RCC surface. All complete as per direction of Engineer-in-charge	2400.00	Each	218.10	523440.00
52	NS/ MR	Making core cutting in slab/ beam/ retaining walls any other R.C.C. masonry without vibration with wet drilling through diamond coring system for creating hole in slab/ beam for passing sanitary pipes etc. the diamond coring system should be done with hilti DD-160/DD 200/equivalent and 2-3 speed gearing system in slab and making good the same after housing pipe as per direction of Engineer-in-charge.				
52.1	(i)	100 to 125 mm dia. and depth 150 mm	1210.00	Each	460.15	556782.00
53	NS/ MR	Providing and fixing C.P. brass Push cock of approved quality. All complete as per directions of Engineer-In-Charge.				
53.1		15mm nominal bore	664.00	Each	735.85	488604.00
54	NS/ MR	Providing and fixing Stainless steel grating of approved quality and colour.				
		Circular type				
54.1		100 mm nominal dia	415.00	Each	68.45	28407.00
55	NS/ MR	Credit of M.S. steel received from dismantling of existing M.S. gate/ frame, CI pipes & fittings etc.. All complete as per directions of Engineer-In-charge.	4047.58	Kg	-35.00	-141665.00
		Total			(Z)	82353135.00

**Schedule A to F of Minor Components (E&M) Works
Technical Specifications of (E&M)
Additional Conditions of (E&M)**

CONSENT LETTER

I/we, hereby give my/our consent to work as electrical/Civil/Horticulture contractor till the completion of work and I/we will be responsible for necessary action to hand over the work and for rectification of defects and repair during the maintenance period. I/we will execute the work as per CPWD specification and additional conditions of the works.

I/we will also engage a suitable engineer for the work as per condition of the work. I further certify that the above particulars pertaining to me are correct.

Contractor Signature

FORM OF PERFORMANCE SECURITY (GUARANTEE) BANK
GUARANTEE BOND

1. In consideration of the President of India (hereinafter called “the Government”) having agreed under the terms and conditions of agreement No. _____ dated _____ made between _____ and _____ {here in after called “the said contractor(s)”} for the work _____ (hereinafter called “the said agreement”) having agreed to production of an irrevocable Bank Guarantee for Rs. _____ (Rupees _____ only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement,
 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.
2. We _____ do hereby undertake to (indicate the name of the Bank)
 Pay the amounts due and payable under this Guarantee without any demure, 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(s). 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. _____/- (Rupees _____ only).
3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating there to, our liability under this present being absolute and unequivocal.
 The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
4. We _____ further agree that the guarantee (indicate the name of the Bank)
 herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge, on behalf of the Government, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.
5. We _____ further agree with the Government that (indicate then name of the Bank)
 the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) 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(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing what soever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We _____ lastly undertake not to (indicate the name of bank) revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid upto _____ unless extended on demand by Government. Not with standing 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 Four Months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____

for _____
 (indicate the name of the Bank)

PERFORMANCE GUARANTEE

- 1) The contractor shall submit an irrevocable PERFORMANCE GUARANTEE of **5% (Five Percent) of the tendered amount** in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/ or without prejudice to any other provisions in the contract) within 7 days of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge upto a maximum period of 7 days on written request of the contractor stating the reason for delays in procuring the Bank Guarantee to the satisfaction of the Engineer-in-Charge.

This guarantee shall be in the form of Govt. securities or fixed deposit receipts or Guarantee Bonds of any Commercial Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Commercial Bank is furnished by the contractor the Govt. as part of the performance guarantee & the Bank is unable to make payment against the said fixed deposit receipt, the loss caused there by shall fall on the contractor and the contractor shall forth with on demand furnish additional security to the Govt. to make good the deficit.

- 2) A letter of acceptance shall be issued informing the successful tenderer of the decision of the competent authority to accept his tender and to submit the Performance Guarantee within 7 days in any of the prescribed form. On receipt to prescribed performance guarantee, necessary letter to commence the work shall be issued and site of work shall be handed over thereafter. In case of failure by the contractor or to furnish the performance guarantee within the specified period, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money absolutely.
- 3) The Performance Guarantee shall be initially valid upto the stipulated date of completion plus 60 Days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
- 4) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/ or without prejudice to any other provisions in the contract agreement) in the event of :-
 - a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
 - b) Failure by the contractor to pay President of India any amount due, either as agreed by the contract or determined under any of the clauses/ conditions of the agreement, within 30 Days of the service of notice to this effect by Engineer-in-Charge.

In the event of the contract being determined or rescinded under provision of any of the clause/ condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

AFFIDAVIT

I/We have submitted a bank guarantee for the work:-

(Name of work).

Agreement No. _____

Dated _____ from _____

(Name of the Bank with full address) _____

to the Executive Engineer _____ (Name of Division) with a view to seek exemption from payment of security deposit/performance guarantee/guarantee money for expansion joint/Elastomeric Bearings/Bituminous Macadam/Dense Bituminous Macadam/Bituminous Concrete work/Bitumen Mastic work in cash. This bank guarantee expires on

I/We undertake to keep the validity of the bank guarantee intact by getting it extended from time to time at my/our own initiative upto a period of _____ months after the recorded date of completion of the work or as directed by the Engineer-in-Charge.

I/We also indemnify the government against any losses arising out of non-encashment of the bank guarantee, if any.

Deponent

(Signature of Contractor)

Note:- The affidavit is to be given by the executants before a first class Magistrate.

GUARANTEE BOND FOR ALL TYPE OF LED FITTING, CEILING FAN AND PUMP:-

A Guarantee bond in prescribed performa shall be submitted by the contractor which shall also be signed by the contractor to meet their liability/ liabilities under the guarantee bond. The sole responsibility about efficiency of equipment rest with the contractor. **5% (Five per cent) of the cost of respective component shall be retained as Security Deposit from each bill and the amount so deducted would be released after guarantee period from as detailed below from the date of completion of the entire work under the agreement, if the performance of the equipment's is found satisfactory.** If any defect is noticed during the guarantee period, the contractor shall rectify it within 15 days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done from another agency at the risk and cost of contractor.

S. No.	DESCRIPTION OF ITEMS	GUARANTEE PERIOD	SECURITY DEPOSIT
1	All type LED Fixture	05 Years	5%
2	Ceiling Fan	02 Years	5%
3	Pump	02 Years	5%

GUARANTEE BOND TO BE EXECUTED BY THE CONTRACTOR FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF ALL TYPE LED FITTING, CEILING FAN AND PUMP:-

The agreement made this..... day of (Two Thousand ____ only) betweenS/o(hereinafter called the GUARANTOR of the one part) and the President of India (hereinafter called the Government of the other part)

WHEREAS THIS agreement is supplementary to a contract (Hereinafter called the Contract) dated and made between the GUARANTOR OF THE ONE PART AND the Government of the other part whereby the contractor inter alia undertook to render the work in the said contract recited structurally stable workmanship, finishing and use of sound materials.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the affect that the said work will remain structurally stable and guaranteed against faulty workmanship, improper slope, finishing and materials.

NOW THE GUARANTOR hereby guarantee that work executed by him will be free from any material defects, structural defects, cracks, hollow pockets, improper slope, faulty joints etc. for five years to be reckoned from the date after the expiry of maintenance period prescribed in the contract.

The decision of the Engineer-in-charge with regard to nature and cause of defect shall be final.

During this period of guarantee, the guarantor shall make good all defects to the satisfaction of the Engineer-in-charge calling upon him to rectify the defects failing which the work shall be got done by the Department by some other contractor at the Guarantor's cost and risk. The decision of the Engineer-in-charge as to the cost payable by the Guarantor shall be final and binding.

That if the guarantor fails to make good all the defects, commits breach there under, then the guarantor will indemnify the principal and his successor against all loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and or cost incurred by the Government, the decision of the Engineer-in-charge will be final and binding on both the parties.

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

SIGNED, sealed and delivered by OBLIGATOR in the presence of:-

- 1.
- 2.

SIGNED FOR AND BEHALF OF THE PRESIDENT OF INDIA BY in the presence of:-

- 1.
- 2.

(LIST OF APPROVED MAKES)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27. (SH:- minor Electrical repair work)

S.No.	Detail of Materials	Manufacture's Name
1	GI/MS/PVC Conduit (ISI Marked)	1. BEC 2. AKG 3. MK 4. Steel Craft
2	MCB/MCCB/ELCB/Double Door Distribution Board	1. Legrand 2. L&K 3. Schneider Electric 4. Siemens 5. ABB
3	LT Cables PVC/XLPE Insulated	1. Polycab 2. Finolex 3. Havells 4. RR Kabel
4	DWC/HDPE PIPE (ISI MARKED)	1. REX 2. DURALINE 3. Supreme 4. Himalaya
5	Pump	1. Kirloskar 2. Wilo 3. Crompton 4. KSB
6	Nonreturn Valve/Butterfly Valve	1. Kirloskar 2. Sant 3. Zoloto 4. Kartar
7	MS Pipe	1. Jindal 2. Tata 3. Jindal Hissar
8	Starter	1. Siemens 2. L&K 3. BCH 4. Havells
9	Gland	1. HEX 2. Dowess 3. Commet 4. Gripwell 5. Raychem

10	ElectricalPanels/FeederPillars(CPRI Approved)	<ol style="list-style-type: none"> 1. Neptune 2. ASPL 3. Advance 4. RP Controls
11	Ceiling Fan/ Exhaust Fan	<ol style="list-style-type: none"> 1. Crompton 2. Orient 3. Havells 4. Atomberg
12	LED Fitting (all type)	<ol style="list-style-type: none"> 1. Wipro 2. Havells 3. Philips 4. Crompton
13	Modular type Switches / Sockets / Fan regulators / Call Bell/GI Box	<ol style="list-style-type: none"> 1. Legrand (Myrius) 2. Schneider (opal) 3. North West (NOWA) 4. Crabtree (Athena) 5. MK Honeywell (Citric)
14	OtherItems	All otheritemsshallbeasperapprovalofEngineer inCharge

Note: The firm has to ensure that equipment manufacturer comes under definition of local manufacturers as per Govt. of India, Policy of Public Procurement (Preference to make in India) order, 2017 (PPM-MII order 2017) issued by Department of Industrial Policy and Promotion. Only products conforming to above policy shall be allowed to be used in the work.

Assistant Engineer (E) P
PWD, Edu. Elect. Div. M-1(N)
ITI Campus, Pusa
New Delhi

Executive Engineer (E)
PWD, Edu. Elect. Div. M-1(N)
ITI Campus, Pusa
New Delhi

GENERAL TERMS AND CONDITION

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27.

1. The work will be carried out as per CPWD specification and amended up to date as per direction of Engineer-in-Charge.
2. All the materials, whatsoever, to be supplied and provided by the contractor should be of standard and approved make as per NIT. The material to be used for work shall be got approved from the Engineer-in-Charge or his authorized representative before installation. No payment will be made for any unapproved or sub-standard/ rejected materials used on the work. Rejected materials should be removed from the site of work within 48 hours, failing which the same will be liable for removal by the department at the risk and cost of the contractor without any liability.
3. The electrical work shall be done strictly in close co-ordination with civil works wherever these are in control of this office.
4. Any damage done to the building while executing the electrical work should be made good to the same to satisfaction of the department. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed from the site on the same day and dump into MCD dumping ground for which nothing will be paid by the department. In case of failure to do so, it will be got done by the Engineer-in-Charge or his authorized representative at contractor's risk and cost.
5. All watch and ward of the materials outside installed at work will be the responsibility of the contractor till their handing over to the department on completion of work. Merely recording of measurement and running payments made to contractor will not mean handing over of installation. There will be regular handing over /taking over of the installation. Any missing item shall have to be made good by the contractor.
6. Contractor shall submit neatly prepared electrical inventory of fittings provided along with completion plan in triplicate (one of them on tracing cloth) and also test report of the electrical installation, failing which necessary recovery will be affected.
7. Laying of the conduits, position of switches, fittings and cable routes etc. should be got approved from the Engineer-in-charge or his authorized representative. It will be in the interest of the contractor to mark the above layout at site and get it approved before actual execution of the work otherwise it will not be accepted and the contractor will have to get it redone for which no extra payment will be made.
8. Persons executing electrical work should have a valid electrical license as required under I.E Act.
9. All inter-connections in the switch-boards shall be carried out with suitable cables commensurate with the current carrying capacity.
10. Where-ever conduits are laid without wiring, they shall be provided with fish wire and nothing extra shall be paid for the later.
11. All Control switches and DB's where-ever required will be numbered and marked with paint and nothing will be paid extra on this account. In case of failure to do so, it will be got done by the Engineer-in-Charge or his authorized representative at contractor's risk and cost.
12. All Metal Boxes and junction boxes should be cleared and cleaned properly and painted before fixing the accessories.
13. Supply items are to be got checked from Engineer-in-charge in advance, otherwise no payment

- shall be released.
14. If any condition is put by the contractor, which is not as per CPWD specifications/terms and conditions of NIT, his tender is liable to be rejected.
 15. All termination of electrical cables for sizes higher than 4 sq.mm shall have to be done with proper thimbles/reducer uncrimping Process. Copper thimble reducer shall be used for copper cable and aluminum ones for Al. cables.
 16. Before cable is laid in the ground the route must be got approved from Engineer-in-Charge. The cable trench shall be as straight as possible.
 17. 'B' class GI pipe/ PVC and CPVC pipes & conduit pipe shall be ISI marked only. Conduit accessories and fittings should confirm to relevant I.S specifications.
 18. All screws/nuts/bolts should be galvanized/cadmium plated only, as the case may be.
 19. Contractor will have to abide by the instructions contained in CPWD Manual.
 20. Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost:-
 - i. Foundations for equipment's and components wherever required, including foundations bolts.
 - ii. Cutting and making good all damages caused during installation and restoring the same to their original finish.
 - iii. Sealing of all floor openings provided by him for pipes and cables, from fire safety point of view, after laying of the same.
 - iv. Painting at site of all exposed metal surfaces of the installation other than pre-painted, items like fittings, fans, switchgear /distribution gear items, cubicles switch board etc. Damages to finished surfaces of these items while handling and erection, shall however be rectified to the satisfaction of the Engineer-in-Charge.
 - v. Testing and commissioning of completed installation.
 - vi. Storage space for all equipment's, components and materials for the work
 21. Bad workmanship shall not be accepted.
 22. No payment will be made to the contractor on account of idle labour at site.
 23. No T&P will be issued to the contractor
 24. The firm has to submit copy of bill of material and test certificates etc. otherwise no payment shall be made.
 25. The material has to be got approved from the Engineer-in-Charge before use at site. The firm is bound to provide the approved item.
 26. 5% Security deposit of LED cost should be withheld for 5 year from date of completion of agreement.
 27. The chase for conduit laying shall be made with chase cutting machine only.
 28. In all the items to be executed, dismantling of the existing materials are included in the scope of work. Nothing extra shall be paid on this account.
 29. The guarantee/warranty of Fans as per manufacturer and also submitted guarantee/warranty card at the time of handover of the equipment's to concern department.

Assistant Engineer (E)-P
PWD, Edu. Elect. Div. M-1 (N)

Executive Engineer (E)
PWD, Edu. Elect. Div. M-1 (N)
ITI Campus, Pusa
New Delhi

Schedule of Quantities (E&M Works)

Name of work: Minor repairs, internal & external finishing and toilet repair works of Schools under West A, Education District during 2026-27. (SH:- minor Electrical repair work)

S.No.	Description of Item	Total Qty.	Rate	Unit	Amount	Remarks
	EI & WIRING					
1	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.					DSR 2025
(a)	20 mm	80.00	254.00	Mtr.	20320.00	1.20.1
(b)	25 mm	80.00	289.00	Mtr.	23120.00	1.20.2
2	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.					DSR 2025
(a)	3 x 1.5 sq. mm	160.00	104.00	Mtr.	16640.00	1.17.3
(b)	3 x 4 sq. mm	272.00	222.00	Mtr.	60384.00	1.17.21
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connectionS etc. as required.	48.00	659.00	Each	31632.00	DSR 2025 1.32
4	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.					DSR 2025
(a)	Group C	128.00	1064.00	Point	136192.00	1.15.3

5	<p>Supplying, Installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85%, Operating voltage AC 140 270 Volt, frequency 50/60 hz, Operating temp range -5 °C to 40 °C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10%, P. F.≥0.95, IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy ≥105 <120 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder Coated CRCA Sheet Body (Thickness > 0.50 mm)</p>					DSR 2025
(a)	18-22 watt	80.00	629.00	Each	50320.00	8.9.5
6	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of					DSR 2025

	following size on wall surface as required.					
(a)	Upto 35 sq. mm (clamped with 1mm thick saddle)	32.00	64.00	Mtr.	2048.00	10.7.1
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/HUME/METAL pipe as required.					DSR 2025
(a)	Upto 35 sq. mm	32.00	47.00	Mtr.	1504.00	10.5.1
	Total				₹ 3,42,160.00	
	Add Cost Index @ 1%				3422.00	
	Total				345582.00	
	MARKET RATE					
5	SITC of heavy-duty exhaust fan of the following sizes having copper winding, 900-950 RPM, single phase, suitable for mounting in the existing opening including making the hole to suit the size of the above fan and fixing wire mesh of suitable size as required & making good the damage, i/c connection, testing and commissioning etc. complete as required.					
(a)	300 mm sweep	32.00	4046.00	Each	129472.00	MR
7	Supplying of following size XLPE insulated and PVC sheathed aluminium conductor armoured power cable of 1.1 KV grade conforming to IS 7098 (Part I) ISI as required.					
(b)	3 x 10 Sqm	48.00	206.00	Mtr.	9888.00	MR
	Total Rs.				₹ 4,84,942.00	