GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

NOTICE INVITING e-TENDER

The Executive Engineer, Mumbai–I, CPWD, Mumbai-20 invites on behalf of the President of India, online Percentage rate in single bid from approved and eligible contractors of CPWD enlisted in appropriate class for the following work: -

NIT No.: 57 / EE / MUMBAI I / 2026 – 27

Name of Work: Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.

Estimated Cost : Rs. **16,81,586/-**

Earnest Money : Rs. **33,632/-**

Period of completion : 02 (Two) Months.

Last time and date of submission of bid : 28.10.2026 upto 15:00 Hrs.

The bid forms and other details can be obtained from the website www.etender.cpwd.gov.in

Note: - Applicants are advised to keep visiting the above-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 updated thereof, if any. An incomplete application may be liable for rejection.

EXECUTIVE ENGINEER
MUMBAI - I, CPWD, MUMBAI - 20

C – Nil, I – Nil, O - Nil **AE (P) / EE**

Name of work : Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.

NIT No. : 57 / EE / MUMBAI I / 2026 – 27

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Certified that this N.I.T. contains page 1 to 66

This NIT is approved for Rs. 16,81,586/-.

Prepared By: - D. Man / MUMBAI - I

EXECUTIVE ENGINEER
MUMBAI - I, CPWD, MUMBAI - 20

C – Nil, I – Nil, O - Nil **AE (P) / EE**

NOTICE INVITING e-TENDER

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID DOCUMENT

The EXECUTIVE ENGINEER, Mumbai - I, C.P.W.D, 5th Floor, Old CGO Building, MUMBAI - 20 on behalf of the President of India invites online percentage rates bids from approved and eligible contractors of CPWD for the following work ;

S. No.	NIT N0-	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of completion	Last date & time of online submission of bid, original EMD, copy of receipt for deposition of original EMD, and other documents as specified in the press notice.	Time & date of opening of bid
1	**57 / EE / MUMBAI I / 2026 – 27**	**Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.**	**Rs. 16,81,586/-**	Rs. **33,632/-**	**02 (Two) Months**	28.10.2026 upto 15:00 Hrs.	28.10.2026 at 15:30 Hrs.

1. 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.

2. Information and Instructions for bidders posted on website shall form part of bid document.

3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://etender.cpwd.gov.in free of cost.

4. The bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated) and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft or Banker's Cheque or Fixed Deposit Receipts or / and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to Division Office of any Executive Engineer, CPWD and other documents as specified.

A part of earnest money (EMD) is acceptable in the form of bank guarantee also. In such cases, 50% of earnest money or Rs. 20 Lakh whichever is less, will have to be deposited in shape prescribed above and balance can be accepted in form of Bank Guarantee issued by a Commercial bank. The bank guarantee submitted as a part of Earnest Money shall be valid for a period of six months or more from the last date of submission of bid.

5. 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. The necessary training materials including videos with step to step process are available on downloaded section of https://etender.cpwd.gov.in.

6. The intending bidder must have valid class-III digital signature to submit the bid with encryption key (combo type) to perform any operations/ transactions on the e-tendering portal/ website and the bidder should download and install the eMsigner on their system as per instructions available on download section of https://etender.cpwd.gov.in.

7. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

8. Contractor can upload documents in the form of JPG format and PDF format.

9. Bidder should ensure that the document uploaded is legible and full documents page is properly scanned.

10. Contractor must ensure to quote his percentage rate (above/below) in the attached schedules. However, 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 bid submitted shall become invalid and e-tender processing fee shall not be refunded if:

(i) The bidder is found ineligible.

(ii) The bidder does not upload the scan copies of all the documents stipulated in Bid document.

(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.

(iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section/subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

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

i. Copy of receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE), CPWD.

ii. Scan copy Banker's cheque of commercial bank or Account payee Demand Draft of commercial bank or Fixed Deposit receipt (FDR) of commercial bank or insurance surety bonds and/or bank guarantee or e-bank guarantee (for balance amount as prescribed) of commercial bank against EMD **drawn in favour of Executive Engineer, MCD-I, CPWD, Mumbai.**

iii. Valid Enlistment order of the contractor as per latest enlistment rules.

iv. GST registration certificate, if already obtained by the bidder.

If the bidder has not obtained GST registration 'as applicable', then he shall scan and upload following undertaking along with bid documents.

"lf work is awarded to me, l/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which l/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST Department in this regard".

v. ERP (Enterprise Resource Planning) Training Certificate in the name of the Proprietor/ Agency/Authorized representative issued by the Competent Authority of CPWD.
If the above-mentioned documents are not scanned and uploaded within the period of bid submission, the bid shall be treated as invalid and cancelled.

vi. Undertaking on Structural stability and soundness as per prescribed format **Form 'F'. s**

vii. EPF & ESIC Registration copy.

All modifications/addendums/corrigendum issued regarding this bidding process, shall be uploaded on website only and shall not be published in any Newspaper.

If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.

After submission of the bid the agency can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

While submitting the revised bid, agency can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) in case of item rate tender and / or revise the percentage in case of percentage rate tender, within the last time and date of submission of bid as notified.

Executive Engineer
Mumbai – I, CPWD, MUMBAI - 20.

Receipt of deposition of original EMD (Receipt No. /date)			
1.	Name of work		**Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.**
2.	NIT No.		**57 / EE / MUMBAI I / 2026 – 27**
3.	Estimated Cost		Rs. **16,81,586**.00
4.	Amount of Earnest Money Deposit		Rs. **33,632**.00
5.	Last date of submission of bid		28.10.2026 upto 15:00 Hrs.
1.	Name of Contractor		
2.	Form of EMD		
3.	Amount of Earnest Money Deposit		
4.	Date of submission of EMD		
			Signature, Name and Designation of EMD Receiving officer (EE/AE(P)/AE/AAO) Along with Office stamp

C – Nil, I – Nil, O - Nil **AE (P) / EE**

Form 'F'

Undertaking on structural stability and soundness of already completed buildings 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, eitherdue 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, further, undertake that if such information comes to the notice of CPWD, then Engineer- in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

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 ofthe firm and stamp.

(Note: Affidavit to be furnished on a 'Non-Judicial' Stamp paper of Rs. 200/- (scanned copy of thenotarized affidavit to be uploaded at the time of submission of bid).

CPWD-6

Government of India CPWD
Notice Inviting Tender for e-Tendering

1. **The Executive Engineer, Mumbai - I, (Formerly EE, MCD-I), CPWD**, Old CGO building, Pratishtha Bhavan, 5th floor, MK Road, Mumbai-20 (Telephone No. 022-22031115, Email Id- eemcd1@yahoo.co.in) on behalf of the President of India invites online Percentage rate tenders from approved and eligible contractors of CPWD in appropriate class for the following work:-

NIT No. 57 / EE / MUMBAI I / 2026 – 27

Name of work : Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.

Joint ventures / Consortium and Special Purpose Vehicles (SPV) are not acceptable.

1.1 The work is estimated to cost **Rs. 16,81,586/-.** This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids.

For composite bids, the bidders, besides indicating the percentage above/below the combined estimated cost put to bid, should also indicate the amount in word for each component separately. The eligibility of bidder will correspond to the combined estimated cost of different components put to bid.

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD-7 (updated up to date correction slips) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder 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 **02 (Two) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. **(i)** ~~The site for the work is available.~~

OR

The site for the work shall be made available in parts as available.
(As per Schedule of Handing over of site specified in Schedule A to F)

……*……

(ii) The architectural ~~and structural~~ drawings for the work are available. The same may also be seen in the Office of Executive Engineer, Mumbai – I, during office hours on working days.

Or

~~**The architectural and structural drawings if any, shall be made available in phased manner, as per requirement of the same as per approved program of completion submitted by the contractor after award of work.**~~

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents and Standard General Conditions of Contract Maintenance work 2023 (updated up to date correction slips) can be seen from the website www.etender.cpwd.gov.in or www.cpwd.gov.in free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times, but before last time and date of submission of tender as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the components) but before last time and date of submission of tender as notified.

8. Earnest Money in the form of Insurance Surety Bond, Demand Draft or Pay order or Banker`s Cheque or Deposit at Call Receipt or Fixed Deposit Receipt **(drawn in favour of Executive Engineer, MCD-I, CPWD, Mumbai)** 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, CPWD within the period of bid submission. The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (**FORM-A**) provided in the NIT. The EMD document shall be issued from the place in which the office of EMD receiving division is situated.
This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

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 lacs, 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 six months or more after the last date of receipt of Bids which is to be scanned and uploaded by the intending bidders.

Copy of Enlistment Order and other documents as specified in NIT 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 shall have to be submitted by the lowest bidder only within the period specified physically in the office of tender opening authority.**

Online bid documents submitted by intending bidders shall be opened only of those bidders, **whose original EMD deposited with any division office of CPWD** and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 15:30 Hrs. on 28.10.2026.

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
   (i) The bidders are found ineligible.
   (ii) The bidders do not deposit original EMD with division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of EMD receiving division office is situated).
   (iii) The bidders do not upload all the documents 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 tenderer in the office of tender opening authority.

10. The contractor whose bid is accepted, will be required to furnish **Performance Guarantee of (a) 5% (Five Percent) of the ECPT (Estimated Cost Put to Tender) or Tender Cost (whichever is higher) (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount** with in the period specified in Schedule F. This guarantee shall be in the form of **Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank** in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board and Program Chart (Time and Progress) within the period specified in Schedule F. No Running Account Bills will be paid without the above documents being submitted to Engineer-in-Charge.

11. **The description of the work is as follows :-**
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 bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the 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.

12. 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 bidder shall be summarily rejected.

13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejection.

14. 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.

15. The enlisted contractor in CPWD shall not be allowed to participate in the tender for working the CPWD Zone/Circle/Division/Subdivision responsible for award and/or execution of contract in which his near relative is posted as an officer in any capacity between the grades of the Chief Engineer and Junior Engineer (both inclusive) or Divisional Accountant. He shall also intimate the names of persons who are working or are subsequently employed by him and who are near relatives to any officer working in the Central Public Works Department. Any breach of this condition by the contractor would render him liable to be debarred for a period up to two years from tendering in CPWD as decided by the tender accepting authority mentioned in Schedule-F and his decision will be excepted from Clause 25.

16. No Engineer of gazette 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 previous 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 tender or engagement in the contractor's service.

17. The bid for the works shall remain open for acceptance for a period of **Thirty (30) days** from the last date of receipt of bid in case of single bid system.

    i) If any bidder withdraws his bid or makes any modifications in the terms and conditions of the bid which are not acceptable to the department within 7 days after last date of submission of bid then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

    ii) If any bidder withdraws his bid or makes any modifications in the terms and conditions of the bid which are not acceptable to the department after expiry of 7 days after last date of submission of bid then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 100% of the said 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) & ii) above, the bidders shall not be allowed to participate in the re-bidding process of the same work.

18. This notice inviting bid shall form a part of the contract document. The successful bidder /contractor, on acceptance of his bid by the Accepting Authority shall within 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, particular specifications, special conditions, minutes of pre-bid meeting, schedule of quantities 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.

19. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty of forfeit the entire earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

20. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer, Mumbai-I, CPWD, Mumbai-20 (Telephone No. 022-22031115, Email Id- eemcd1@yahoo.co.in) or ERP helpline no. 1800 180 3286 or e-mail Id cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

Executive Engineer,
Mumbai - I, CPWD, Mumbai-20.

C – Nil, I – Nil, O - Nil **AE (P) / EE**

CPWD FORM NO. 7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE	**:**	**Maharashtra**	**ZONE**	**:**	**CE, Mumbai – I**
BRANCH	**:**	**B/R**	**DIVISION**	**:**	**Mumbai – I**

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the work of**: - "Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27."**

(i) To be uploaded by ……. hours on ……. to/upload at
(ii) To be opened in presence of tenderers who may be present at 15:30 Hrs. on **28.10.2026** in the office of Executive Engineer, Mumbai – I, CPWD, Mumbai – 20.

T E N D E R

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

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

I/We agree to keep the tender open for 30 days from the due date of its opening in case of single bid system from the date of opening of technical bid in case tenders are invited on 2 /3 bid/ system for specialised work and not to make any modification in its terms and conditions.

I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

CPWD FORM NO. 7

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

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

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety & integrity of the State.

Dated.....
Witness:- .....
Address:- .....
*
Occupation …… *
Fax:-
E-Mail:-
* To be filled by contractor.

Signature of Contractor.....
Postal Address:- .....

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.
i)
ii)
iii)

Dated: .....

For & on behalf of the President of India.

Signature.....

Designation.....

Executive Engineer
Mumbai - I, CPWD, Mumbai – 20.

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of Quantities (As per PWD 3)	-	As per sheets attached

SCHEDULE 'D'

Extra schedule for specific requirements/ documents for the work, if any.	-	NIL

SCHEDULE 'E'

Reference to General Conditions of Contract	**:**	**General Conditions of Contract Maintenance work 2023 with correction slip received upto the last date of receipt of tender.**

Name of work **: - "Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27."**

Estimated cost of work			**Rs. 16,81,586/-**
(i)	Earnest Money		Rs. **33,632/-** (to be returned after receiving Performance guarantee)
(ii)	Performance Guarantee	a)	5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).
		b)	Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	Security Deposit		2.5% of tendered value.

SCHEDULE 'F'

General Rules & Directions:-

Officer Inviting Tender:-	Executive Engineer, Mumbai – I, CPWD, Mumbai–20.

Definitions:-

2(vi)	Engineer-In-Charge	Executive Engineer, Mumbai – I, CPWD, Mumbai–20.
2(viii)	Accepting Authority	Executive Engineer, Mumbai – I, CPWD, Mumbai–20.
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(x)(b)	Standard Schedule of Rates	DSR – 2023 with upto date Correction Slips.
2(xi)	Department	Central Public Works Department
9(ii)	Standard CPWD contract Form-7 as modified & Corrected up to last date of submission of bids	Standard CPWD contract Form General Condition of Contract Maintenance Works 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender.

Clause 1 :-

i) Time allowed for submission of Performance Guarantee, **Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof** from the date of issue of letter of acceptance, in days. 7 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. 3 days

Clause-2:-	Authority for fixing compensation Under Clause 2 / 2A	Chief Engineer, Mumbai - I CPWD, Mumbai - 20.
Clause 2A:-	Applicable Clause 2 / 2A	Clause 2.
Clause-5:-	Number of days from the date of issue of letter of acceptance for reckoning date of start	7th day after the date of written Orders for submitting the performance guarantee or from the 1st day of handing over of the site whichever is later.

Milestones as per table given below

TABLE OF MILE STONE (S)

Sl. No.	Description of Milestone (Physical Progress)	Time allowed in days (From date of start)	Amount to be withheld In case of non-achievement of Milestone.
1	1 / 8th (of the whole work	1 / 4th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1.25 % of the tendered value of work will be withheld for failure of each milestone subject to maximum 5% (Five percent).
2	3 / 8th (of the whole work)	1 / 2 (of the whole work)	
3	3 / 4th (of the whole work)	3 / 4th (of the whole work)	
4	Full	Full	

Time allowed for execution of work **02 (Two) Months** after award of work

Authority to decide		
Authority to convey the decision of shifting of milestone and Extension of time	:	Executive Engineer, Mumbai – I, CPWD, Mumbai–20
Authority to decide Rescheduling of mile stones and extension of time	:	Chief Engineer, Mumbai – I, CPWD, Mumbai–20
Shifting of date of start in case of delay in handing over of site		Chief Engineer, Mumbai – I, CPWD, Mumbai–20

Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Entire site	Available
Part B	Portion with encumbrances	Nil	NA
Part C	Portions dependent on work of other agencies	Nil	NA
Clause 5.1 (iv)	Recovery per week for delay in submission of Time and progress chart and monthly progress report	Rs. 1,000/-	
Clause 5.4	Recovery per day for delay in submission of revised programme	Rs. 1,200/-	

Clause 5 –	Applicable Clause 5 / 5A		**Clause 5.**
Clause 6 –	**Mode of measurement CMB / EMB :**	**a)** **b)**	**Applicable Computerized Measurement Book (CMB)** **Measurement to be recorded jointly by department and contractor.**
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		Rs. 8,40,793/-
Clause-7 A :-	Whether clause 7A shall be applicable		Yes
Clause 8 :-	Competent authorities to inspect and issue completion certificate		Executive Engineer, Mumbai – I, CPWD, Mumbai – 20.
Clause 10 A List of testing equipment to be provided by the contractor at site lab.			As required as per the direction of Engineer in charge.
Clause 10 B	Whether Clause 10 B shall be applicable.		Applicable
Clause 10C :	Component of labour expressed as percent of value of work		Not applicable

Clause 10CC: **NOT Applicable**
Schedule of component of other Materials, Labour etc. for price escalation.
Component of civil (except materials covered under clause 10CA) /Electrical construction Xm ..... %
value of work. - Component of Labour - expressed as percent of total value of work.
Y ....%
Note : Xm .....% should be equal to (100) - (materials covered under clause 10CA i.e. Cement, Steel, POL and other material specified in clause 10CA + Component of Labour)

Clause-11:-	Specifications to be followed for	C.P.W.D. Specifications 2019 Volume – I and II execution of work.(with upto date Correction slips).
Clause – 12	**Authority to decide deviation upto 1.5 times of tender amount**	**Chief Engineer, Mumbai – I CPWD, Mumbai – 20.**
Clause-16:	Competent Authority for deciding reduced rates.	Chief Engineer, Mumbai – I, CPWD, Mumbai – 20.

Clause 18 :- **List of mandatory machinery, tools and plants to be deployed by the contractor at site. - NIL -**

Clause 19 (C)	**Executive Engineer is the authority to decide penalty for each default.**
Clause 19 (D)	**Executive Engineer is the authority to decide penalty for each default.**
Clause 19 (G)	**Executive Engineer is the authority to decide penalty for each default.**
Clause 19 (K)	**Not Applicable**
Clause 19 (L)	**Executive Engineer is the authority to decide penalty for each default.**

Clause 25 :

(i) Conciliator – SDG, PRM, CPWD, Mumbai.
(ii) Arbitrator Appointing Authority – Chief Engineer, Mumbai I, CPWD, Mumbai.
(iii) Place of Arbitration – Mumbai.

Clause- 32 :-

REQUIREMENT OF TECHNICAL STAFF

Requirement of Technical Representative (s) and Recovery Rate

Sl No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum experience	No.	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32.	
						Figure	Words
1	Graduate Engineer Or Diploma Engineer	Civil	Project Manager cum Planning/ quality / site/ billing Engineer	2 years OR 5 years respectively	1	Rs. 15,000/- per month per person	Rupees Fifteen Thousand per month per person

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

Diploma holder with minimum 10 year relevant experience with reputed construction co. can be treated at par with Graduate Engineers for the purpose such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of Degree engineer.

Clause-38:-

Schedule / Statement for determining theoretical quantity of cement	On the basis of Delhi Schedule of Rates 2023 C.P.W.D with C.S. upto date of receipt of tender.
i) 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.
Bitumen all works	~~2.5% plus and only and nil on minus side~~
b) Steel Reinforcement and structure steel sections	2% plus / minus wastages
c) All other materials	NIL
G.I. & C.I. or other pipes, conduits, wires and cables, pig lead and G.I. / M.S. sheets.	5% Plus wastages (except G.I. / M/S/ Sheets it shall be 10%)
d) For any other materials.	As per actual requirement.

ADDITIONAL CONDITIONS WHEN CEMENT IS TO BE ARRANGED BY THE CONTRACTOR.

CONDITIONS FOR CEMENT:

The contractor shall procure 43 grade ordinary portland cement conforming to IS : 8112 / Portland Pozzolana Cement confirming to IS – 1489 (Part – I) as required in the work, from reputed manufacturers of cement such as A.C.C., Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement, and J.K. Cement or from any other reputed cement manufacturer having a production capacity not less than one million tones per annum as approved by ADG for that sub region. Supply of cement shall be taken in 50 Kg bags bearing Manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer in charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so. Cement for concrete work shall be 53 grade OPC as per relevant IS Codes.

The cement shall be brought at site in bulk supply of approximately 10 tonnes or as decided by the Engineer-in-Charge.

The cement godown of sufficient capacity shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorised representative and the key of the other lock shall remain with the contractor. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor.

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 38 of the contract and shall be governed by conditions laid therein.

Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

PARTICULAR SPECIFICATION

1.0 Unless otherwise specified, CPWD specifications 2019 volume I & II with upto corrections slips and revised CPWD Specifications 2002 for cement mortar, cement concrete and RCC works shall be followed in general. Any additional item of work if taken up subsequently, shall also conform to the relevant CPWD specifications mentioned above. If Should there be any difference between description of items as given in the schedule of quantities, nomenclature and specifications for individual items of work (special conditions) and I.S. Codes, work shall be got done in the following order of precedence :

I) Description of items as given in Schedules of quantities.
ii) Special conditions and particular specifications.
iii) CPWD Specifications.
iv) I.S. Codes.
v) Decision of Engineer-in-Charge.

1.1 Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of receipt of tenders.

1.2 Unless otherwise specified in the schedule of quantities, the rates for all items of work shall be considered as inclusive of pumping out or bailing out water, if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, sub soil water table being high and/or due to any other cause whatsoever.

1.3 The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).

2.0 The following modifications to the above specifications and some additional specifications shall however apply.

2.1 All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries at Chandvilli, New Bombay or any other source to be got approved by the Engineer-in-charge.

2.2 Coarse sand should be obtained from Vaitarna or any other source to be got approved by the Engineer-in-charge and screened as required. The same shall be clean and sharp angular grit type. If the sand brought to site is dirty it must be washed in clean water.

2.3 Fine sand should be obtained from Mahad or any other source to be got approved by the Engineer-in-charge and screened as required. The same shall be clean and sharp angular grit type. If the sand brought to site is dirty it must be washed in clean water.

2.4 **The grading of sand shall be as follows:**

(i) For general purpose work and for concrete work: the fineness module may range between 2.6 to 3.6.

(ii) For masonry work and for the under cost at cost plaster the fineness module shall not exceed 2.75. Alternatively, the mixture of sand and stone dust in proportion 1:1 may be used in which case, the fineness module of the mixture shall not exceed 2.4.

(iii) For plastering single coat and top coat of two plaster and for items where fine sand is specified, stone dust mixed with sand in proportion 1:1 with fineness modules not exceeding 2.4 for the mixture shall be used. Alternatively, if sand without mixing stone dust is used the fineness module shall not exceed 2.2.

2.5 Bricks shall be of crushing strength not less than 3.5 MPa. The average water absorption of bricks when immersed in water for 24 hours shall not be more than 20% of the dry weight.

2.6 The rates for all items of work, shall unless clearly specified otherwise, include cost of all labour, materials, scaffolding and other inputs involved in the execution of the item at all floors and heights.

2.7 The rate for all items in which use of cement is involved is inclusive of curing.

2.8 Water is available in the building. 1% of total work done shall be deducted from each bill as water charges.

SPECIAL CONDITIONS

1.0 The contractor will have to work according to the programme of work, decided by the Engineer-in-charge for which purpose the contractor should submit a tentative program of the work within 7 days from the date of issue of award letter.

2.0 The contractor shall take instructions from the Engineer in charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services or compound walls are to be constructed.

3.0 If, as per municipal rules the huts for labour are not to be erected at the site of work, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

4.0 Unless otherwise provided in the Schedule of quantities the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depth of the building and nothing extra shall be payable to him on this account.

5.0 The work shall be carried out in accordance with the Architectural drawings and structural drawings. The structural and architectural drawings, shall have to be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing ,of the Engineer-in-charge shall be obtained by the contractor. In case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings related to the relevant items, the former shall prevail unless and otherwise given in writing by the Engineer in charge. Samples shall be prepared before starting particular items of work for prior approval of the Engineer in charge and nothing extra shall be payable on this account.

6.0 All the material to be used on works shall bear ISI certification mark unless otherwise the make is specified in the item or special conditions appended with this tender document. In case ISI mark materials or the materials mentioned in the tender documents are not available, as per opinion of Engineer-in-charge, which shall be final and binding, the material to be used shall conform to CPWD specifications applicable in this tender or IS Code. In such cases Engineer-in-charge shall satisfy himself about the quality of such materials and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used unless otherwise specified. All material not having ISI mark shall be tested as per relevant ISI specification. The Engineer in charge may relax the condition regarding testing if the quantity of the materials required for the work is small. In all cases of use of ISI marked materials proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer in charge.

7.0 All materials equivalent to the one specified should be got approved by the Engineer- in- Charge before using the said materials in the work.

8.0 Specifications for steel centering, shuttering and form work shall be generally followed as per para 5.2 and its subparas of CPWD Specifications except at few inevitable places.

9.0 The contractor shall be responsible for the protection of sanitary and water supply fittings and fixtures against pilferage and breakage during that period of installation and thereafter until the building is handed over.

10.0 Any damage to work resulting from rains or from any other cause until the work is taken over by the Department after completion of work shall be made good by the contractor, at his own cost.

Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.

11.0 The contractor shall comply with the provision of any Government acts which relate to the work and to the regulations and laws of any local authorities. The contractor shall give all notices required by the said acts, laws etc. and pay all fees payable to such authorities and allow for those contingencies, cost of restorations etc. and all other fees payable to the local authorities.

Water and sewerage charges for execution of the work shall be payable by the Contractor directly to the local bodies under intimation to the Department. In case Such charges are not paid by the contractor, the same shall recovered from the Bill for remittance or if already remitted to the local bodies.

12.0 Tendered rates are inclusive of all taxes and levies payable under the respective States.

12.1 Rates quoted shall be inclusive of the GST levitable by the State Governments on the transfer of property in goods involved in the execution of works contract and nothing extra will be payable on that account.

13.0 Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bye-laws and specifications of the municipal body/corporation where CPWD specifications are not applicable. The work of water supply, internal sanitary installations, drainage etc. shall be carried out as per local Municipal Corporation or such local body bye-laws. The contractor shall get the materials (fixtures/fittings) tested by the Municipal body/Corporation authorities wherever required at his own cost and after completion of work shall produce necessary completion certificates from such authorities.

13.1 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by the rules and regulations and pay all fees and charges which he may be liable.

The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.

The tenderer should not quote unnecessary conditions contradicting the general conditions and particular specifications given in this tender, as such conditions apart from being not agreed to, can lead to rejection of the tender.

14 BRIEF WORDING OF ITEMS:

14.1 For the purpose of recording measurements and preparing running account bills, the underlined portions of the nomenclature of items included in the Schedule of Quantities shall be adopted as the abbreviated nomenclature of the particular item. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant item in the agreement and relevant specifications. In the case of items for which abbreviated nomenclature is not indicated in the Schedule of Quantities, the full nomenclature shall be reproduced while recording measurements and preparing the bills.
Also following abbreviations may be adopted.

(A)	P/L for	:	Providing and Laying
(B)	P/F for	:	Providing and Fixing.
(C)	C.C. for	:	Cement Concrete.
(D)	C.M. for	:	Cement Mortar.

14.2 In case of extra items of work for which brief wording is not provided in the agreement, the full nomenclature of the item shall be reproduced in the measurement books and bill forms of running bills.

14.3 The full nomenclature of the items shall be adopted in preparing abstract of final bill in the measurement books and also in the forms for final bills.

14.4 The tenderer should not quote unnecessary conditions contradicting the general conditions and particular specifications given in this tender, and such conditions apart from being not agreed to, can lead to rejections of the tender.

15 The components of materials, labour and P.O.L. as indicated in para 3 of the sub-clause 10 (CC) have been predetermined as below:

a)	Materials	75 percent.
b)	Labour	25 percent
c)	D.P.G.L.	Nil percent
	Total	100 percent

16 **GUARANTEE FOR WATER PROOFING TREATMENT**

Five years guarantee in prescribed perform attached must be given by the contractor for the water proofing treatment. In addition 10% (ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after two monsoon seasons after the date of completion of the work, if the performance of the waterproofing works is satisfactory. The remaining withheld amount can be released after completion of five monsoon seasons after the date of completion of work, if 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 and, if not attended to, the same shall be got done by other agency at the risk and cost of the contractor. In any case the guaranteeing firms during the guarantee period should inspect and examine the treatment once in every year and make good any defect observed. However, the security deposit can be released in full, if bank guarantee of equivalent amount for five (5) years is produced and deposited with the department.

17. ISSUE OF CEMENT

17.1 The contractor shall construct separate godowns for storage of O.P.C and P.P.C at site with weather proof roof and walls and the contractor will not claim anything extra on this account. Cement bags shall be stacked and stored as per CPWD specifications. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Junior Engineer in charge of the work and that of the other lock shall remain with the authorised agent of the contractor at the site of the work so that cement is removed from the godown according to daily requirements with the knowledge of both the parties.

17.2 No cement will be issued for factory made items and those items not manufactured at site.

17.3 For all kinds of RCC works only O.P.C shall be allowed to be used. However, P.P.C may be used for work other than RCC as per the directions of the Engineer-in-charge.

17.4 The day to day receipts and issue account shall be maintained by the J.E in-charge and signed daily by the contractor or his authorized agent. Separate cement consumption account shall be maintained for water proofing works.

17.5 Separate cement registers showing the receipt and issue of O.P.C & P.P.C shall be maintained at site.

17.6 The contractor shall be fully responsible for the safe custody of the material issued to him even though the materials are stored under double lock system.

17.7 Materials brought by the contractors. The contractors shall have to deposit the approved paints of required colour and shade and as per actual requirements of the work to be done, with the Engineer-in-Charge at his departmental stores at the site of work.

17.8 The paints will be issued to the contractor from time to time according to his requirements for the work in the same manner as the issue of materials stipulated to be issued departmentally.

17.9 Similar procedure shall be followed for water proofing compound. The day to day receipt and issue quantity account of water proofing compound, paints etc. shall be maintained by the Junior Engineer and signed daily by the contractor or his authorized agent.

17.10 Empty containers should not be removed without written permission of the Engineer-in-charge.

18 Rate for every work to be done under this contract shall be for all lifts and leads, heights and depths, lengths and widths except when specially mentioned otherwise and nothing extra shall be paid in any account.

19 Any damage to work resulting from rains or any other cause until the work is taken by the department after completion shall be made good by the contractor at his own cost.

20 The contractor shall comply with the provision of any Govt. related to the work and to the regulations and laws of any local authorities. The contractor shall give all notices required by the said laws, acts etc. and pay all fees payable to each authorities and allow for encroachments, cost of restorations etc. and other fees payable to the local authorities.

21 The tank fittings and accessories shall conform to the local by-laws and specifications. The contractor shall engage licensed plumber for the work and get the work materials tested by the local authorities wherever required at his own cost. The work of water supply, internal sanitary installations and drainage etc. shall be carried out as per local municipal corporation or such local body by-laws and contractor shall produce necessary completion certificate from such authorities after completion of the work. Nothing extra shall be paid to the contractor for this..

22 The steel windows & ventilators shall be factory made and ISI marked.

22.1 VARIATION IN CONSUMPTION OF MATERIALS
The variation in consumption of material shall be governed as per CPWD specification and clauses of the contract (Clause 38) to the extent applicable. The following specific clauses shall govern the variation in consumption of pig lead.

23 TESTING OF MATERIALS

23.1 The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work.

23.2 The contractor's rates for the items involving the use of materials shall be deemed to cover the cost of samples. The cost of packaging, sealing, transportation, loading, unloading etc**.** including testing charges shall be borne by the contractor. The testing should be carried out by Contractor through approved laboratories for testing as approved by ADG / SDG.

23.3 The contractor shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the department concerned.

23.5 Any cement slurry if added over base surface (or for continuation of concreting) for bond, its cost shall be deemed to have been included in the respective items, unless otherwise, explicitly stated and nothing extra shall be payable nor extra cement considered in the cement consumption on this account.

ADDITIONAL CONDITIONS

1. The contractor shall assume all liability, financial or otherwise in connection with his contract and shall protect and indemnify the Engineer-in-Charge from any and all damages and claims that may arise on any account. The contractor shall indemnify the Department against all claims in respect of patent rights, royalties, damages to adjacent buildings, roads or members of public in course of execution of work or any other reason whatsoever and shall himself defend all actions arising from such claims and shall keep the department saved harmless and indemnified in all respect from such actions, costs and expenses.

2. The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. There may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respect. All these incidental works which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted for various items in the schedule of quantities by the tenderer. No adjustment of rates shall be made for any variation in quantum of incidental works with respect to drawings and/or instructions of the Engineer-in-Charge, as deviation in any such elements of work which are incidental to the items of work or are necessary to complete such items in all respects. Nothing extra shall be payable on this account.

3. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for contractor, watch and ward, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of electricity/telephone/water, liaison works, protection works, barricading etc. during execution or any other activity which is necessary for execution of work in the opinion of Engineer-in-Charge, shall be deemed to be included in rates quoted for various items in the schedule of quantities, by the contractor. Nothing extra shall be payable on these accounts.

4. The rates quoted for various items in the schedule of quantities shall include cost of preliminary works like setting out the lines, alignment of various services, establishing temporary bench marks, reference points etc. as per the drawings and directions of the Engineer-in-Charge. It shall also include making adjustments in layout, if required as per site conditions and as directed by the Engineer-in-Charge. Nothing extra shall be payable on this account.

5. Unless otherwise provided in the Schedule of Quantities, the rates tendered by the contractor shall be inclusive and shall apply to all heights, lifts, leads and depths and nothing extra shall be payable.

6. The contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc. they require, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their tenders. No claim, whatsoever, shall be entertained from the contractor, on the plea that the information supplied by the department is insufficient or is at variance with the actual site conditions.

7. The contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of bodies, tribunals having any jurisdiction or authority which in any manner affect those engaged or employed and any thing related to carrying out the work. All the bye-laws laid down by CIDCO / NMMC and any other local bodies while executing the work shall be adhered to. All taxes / levies payable to local bodies shall be borne by the contractor. The contractor shall arrange to give all notices required by any authority and to pay to such authority all the fees that may have to be paid for execution of the work. All traffic restrictions notified by the local authorities shall also be adhered to by the contractor. He shall protect and indemnify the Department and its officials & employees against any claim or liability arising out of violations of any such laws, ordiances, orders, decree, whether by himself or by his employees or his authorised representatives. Nothing extra shall be payable on these accounts.

8. All care shall be taken by the contractor, as not to damage any other adjacent existing property or other services permanent or temporary, running in the plot. If any damage is carried, the same shall be made good by the contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. Also the contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction to have minimum construction time and minimum hindrance to users in the plot and to the occupants in the campus etc. Nothing extra shall be payable on this account.

9. The contractor shall maintain in good condition all work till the completion of entire work allotted to him. The contractor is to be held responsible for and to make good all injuries, damages and repairs, rendered necessary by fire, rain, traffic, floods or other causes. Engineer-in-Charge shall not be held responsible for any claims for injuries to person/workmen or for structural damage to existing property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or of any other of his authorised representatives in his employment during the execution of the work. The compensation, if any shall be paid directly to the department/authority / persons concerned, by the contractor at his own cost.

10. Arrangement of temporary water and electricity and telephone connection required, by him, shall be made by the contractor at his own cost and also necessary permissions directly from relevant departments shall be obtained by him under intimation to the Department. Also all initial and running charges, and security deposit, if any, in this regard shall be borne by him. The contractor shall abide by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules / bye-laws in this regard.

11. The contractor shall be responsible for maintenance and watch and ward of the complete installation and meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The contractor shall indemnify the department against any claim arising out of pilferage / theft, damage, penalty etc. whatsoever on this account. Security deposit for the work shall be released only after the clearance is obtained from the local authorities from whom temporary electrical / water / telephone connection have been obtained by the contractor.

12. The department shall in no way be responsible for either any delay in getting electric and / or water and / or telephone connections for carrying out the work or not getting connection at all and no claim whatsoever on this account shall be entertained from the contractor. Also contingency arrangement of stand-bye water and electric supply shall be made by the contractor for smooth progress of the work on account of power failure or disconnection for any reason whatsoever it may be. No claim of any kind whatsoever shall be entertained on this account from the contractor. Nothing extra shall be payable on this account.

13. All incidental charges of any kind including cartage, storage, wastage and safe custody of material etc. shall be borne by the contractor and no claim whatsoever shall be entertained on this account.

14. The contractor shall make available, on request from the Department, for record, copies of challan, cash memos, receipts and other and certificates, if any, vouchers towards the quantity and quality of various materials procured and the same shall be kept in record. These shall also provide information on the name of the manufacturer, manufacturer's product identification, manufacturers instructions, warning, date of manufacturing, test certificates from manufacturers for the product for each consignment delivered at site, shelf life, if any, for the department to ensure that the material have been procured from the approved source and of the approved quality, as directed by the Engineer-in-Charge.

15. The contractor shall depute Site Engineer & skilled workers as required for the work. Necessary protective and safety equipment's shall be provided to them by the contractor at his own cost and used at site.

16. The contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at site office.

17. The contractor shall be entirely and exclusively responsible for the horizontal, vertical and other alignment, the level and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.

18. The approval by the Engineer-in-Charge of the setting out of the alignment of services / pipe lines by the contractor shall not relieve the contractor of any of his responsibilities and obligation to rectify the error/ defect, if any, which may be found at any stage during the progress of the work or after the completion of the work.

19. The contractor shall prepare an integrated programme chart for the execution of work, showing clearly all activities from the start to completion, and submit the same for approval of the Engineer-in-Charge, within fifteen days of the award of the contract. The submission for approval by the Engineer-in-charge shall not absolve or relieve the contractor of any of his duties or responsibilities under the contract to complete the whole work within the prescribed / stipulated time for the contract. This is without prejudice to the right of the Engineer-in-Charge to take action against contractor as per terms and conditions of the agreement.

20. The contractor shall at his own risk and cost make all arrangements and shall provide all such facilities the Engineer-in-Charge may require for collecting, preparing, forwarding the required number of samples for testing and for analysis as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer-in-Charge, at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be payable for the above and including cost of materials to be tested.

21. The contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate himself, the result of such tests and consequences thereon shall be binding on the contractor .The contractor or his authorized representative shall remain in contact with the Engineer – in – Charge or his authorized representative associated for all such operations. No extra payment or claim whatsoever shall be entertained on this account.

22. The Contractor at his own expense shall supply all materials, Labour for preparing and testing samples as required by the Engineer-in-Charge . The testing shall be carried out in the presence of the representative of the Engineer- in- Charge. All material shall be got tested in an independent laboratory as approved by the Engineer-in-Charge.

23. The contractor shall construct suitable godowns / sheds as per specification of work for storing the materials safe against damage due to sun, rain, dampness, fire, theft etc. He shall also employ necessary watch and establishment for the purpose.

24. The day today receipts and issue accounts of cement shall be maintained by the Engineer-in-Charge and signed daily by the contractor or his authorized agent.

25. EXISTING SERVICES :

Existing drains, pipes, cables, overhead wires, sewer lines, water lines and similar services encountered , if any , in the course of the execution of the work shall be protected / maintained against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. Also the contractor shall not have any claim of any kind in case of any delay on account of the removal of trees or shifting, directing, raising, removing telegraph, telephone or electric lines(over head or under ground) water and sewer lines and other structures etc, if any which may come in the way of work. Nothing extra shall be payable on these accounts. Also any loss of time on this account, shall have to be made up by generating additional resources etc.

26. SECURITY & TRAFFIC ARRANGEMENTS

In event of any restriction being imposed by the Security Staff of CPWD or RAF, OR the client Department, OR traffic or any other authority having control over the project, on the working or movement of labour, materials, the contractor shall strictly follow all such restrictions or instructions issued regarding the same and nothing extra shall be payable to the contractor on account of such restrictions or instructions. The loss of time on this account if any, shall have to be made up by generating additional resources etc.

General security restrictions are given as under :

The movement of trucks and vehicles shall be regulated in accordance with rules and regulations as approved by Competent authorities.
The contractor shall inform in advance, if required, the truck registration numbers ownership of the trucks, names and addresses of the drivers for necessary action by the security agency.
As and when there will be security requirements, certain additional restrictions can be imposed as per the requirement of the situation.
No claim whatsoever will be entertained by the department on account of any restriction that can be imposed as per the requirement of the situation.

The contractor shall ensure the stability of the excavation so that the surrounding ground and all adjoining structures and plants will be safe against settlement, subsidence, and damage and that there is no risk of injury to any personnel.

27. PREVENTION OF NUISANCE AND POLLUTION :

The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants in the client Department campus and to the public in general and to prevent any damage to such properties and any pollution. He shall make good at his own cost and to the entire satisfaction of the Engineer in Charge any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be cleaned away by the contractor without any reservations entirely to the satisfaction of the Engineer in charge.

28. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings. No claim what so ever on account of site constraints mentioned above or any other site constraints not specifically stated here, shall be entertained from the contractor. Therefore, the contractors are advised to visit site and get first hand information of site constraints. Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.

29. No inflammable materials including P.O.L shall be allowed to be stored in huge quantity at site. However, reasonable quantity may be permitted for storage, subject to the compliance of all rules / instructions issued by the relevant authorities and as per the direction of Engineer -in- Charge in this regard.

30. No Waiving of Legal Rights and Powers:
The Engineer-in-Charge shall not be precluded or stopped from taking any measurements, and framing of estimates or detaining any certificates made either before or after the completion and acceptance of the work and payment, from showing the true amount and character of the works performed and materials furnished by the contractor and from showing that any such measurements, estimates or certificates untrue or incorrectly made and that Engineer-in-charge shall not be precluded or stopped from recovering from the contractor such damages as it may be sustained by reasons of his failure to comply with the terms and conditions of the contract.

31. The contractor shall take into account the element of wastage/wastages those are likely to be there in all elements of the work and quote his price, taking that into account. The contractor shall study all the items from the point of view of wastage / wastages, which are likely to take place.

32. The contractor shall ensure that at no point of time there should be any hindrance to the other construction activities giving on in the Campus. Therefore, he shall sequence his construction activity in different stretches accordingly. Nothing extra shall be payable on this account.

33. No stacking of malba / debris shall be allowed at site. The material / malba created shall be disposed off immediately after its generation or as directed by Engineer in Charge. No extra cost shall be claimed by contractor for this reason.

34. The transportation of Labour / Supervisors / Engineers / Manager as engaged by Contractor responsibility of Contractor. No extra Cost shall be claimed by Contractor for this reason.

35. All mandatory health checkups, tests, vaccinations as directed by Govt. Bodies for the Labour / Supervisors / Engineers / Manager shall be carried out by the Contractor as per existing rules. No extra cost shall be claimed by Contractor for this reason.

36. If any complaint regarding to cleanliness is observed by the Engineer in Charge received or his authorized representative, an additional recovery of Rs. 2000/- per complaint per day shall be done from the bills of the contractor.

37. The payment to the personnel shall be paid on or before 7th of the Every month invariably. The delay of payment to the personnel engaged will attract a penalty of Rs 300/- per person engaged per day after 7th of successive month.

38. The payment shall be made in to the Bank Accounts of the Staff Employed and proof has to be submitted to the Engineer-in-charge / the wages may be disbursed in the presence of JE CPWD.

39. **The minimum wages shall be paid as given below**:
Agency shall make payment to staff engaged by him not less than the Minimum Wage Act in force/ the wages as detailed below whichever is more. The minimum amounts detailed below shall be inclusive of the employee contribution towards EPF and ESI at the rates in force from time to time.

a) For Highly skilled person minimum wages to be paid as per Govt. Orders from time to time.
b) For Semi Skilled person minimum wages to be paid as per Govt. Orders from time to time.
c) For Multi Tasking Staff person minimum wages to be paid as per Govt. Orders from time to time.

40. The Contractor shall be instructed to execute the work as per site availability

SPECIAL CONDITIONS (REPAIR WORK)

1 The Special Repair work has to be carried out in a multi-storied building (occupied residential building / an occupied non -residential building) with occupants and the contractors shall quote his rates after studying site conditions.

1.1 They are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of the site, the means of access to the site, the constraints of accommodation and want of space, they require, if any or any other circumstances which may affect or influence their tenders as the work is to be carried out in occupied buildings.

2 All bye-laws laid down by BMC and any other local bodies while executing the work shall be adhered to. All taxes / levies payable to BMC and other local bodies shall be borne by the contractor. All traffic restrictions notified by local authorities shall be adhered to. Nothing extra on these account shall be payable on these accounts.

3 Being a repair work all precautions, as not to damage the property, shall be taken by the contractor. If any damage is done to any structure etc., the same shall be made good by the contractor at his own cost and to the entire satisfaction of Engineer -in-Charge.

4 The required dismantling works shall not be carried out on Monday to Friday 10:00 AM to 6 PM hence, dismantling should be scheduled accordingly so as to complete the project within the mentioned timelines.

5 SCAFFOLDING SYSTEM:

All the scaffolding work required for the execution of work, either internal or external shall be provided by the contractor, nothing extra shall be payable on this account. It shall be provided strictly with double scaffolding system with all the accessories etc., with adjustable suitable working platforms to access the area to be repaired safely and with ease for surface preparation, application of repairs, inspection etc. It shall be able to take all incidental loads. It should also cater to the safety features for workmen. It shall be stiffened with bracings, runners, connection with the building etc. It shall be ensured that no damage is caused to the building due to scaffolding. Inadvertent damages caused, if any, shall be made good by the contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge.

6 PROTECTIVE FABRIC SCREENS:

Protective Fabric screening shall be provided in at least 3 layers with the first 2 layers facing the working designed with rope / netting of sufficient strength to prevent dismantled / working materials from front breaching the screen layers. The 3rd layer shall be of green dust barrier type to ensure adequate dust control. This 3rd layer should be kept in non-torn from throughout the progress of work. Nothing extra shall be payable on this account. It shall be provided by properly stitching the screen, having adequate lappings on sides to prevent any rubbish from falling outside while demolishing, dismantling, guniting, plastering etc. and to protect passers -by from the falling debris. Screen material shall be fixed by suitable means to the frames of scaffolding etc. and it is to be ensured that sagging of screen does not hinder the repair process.

The contractor shall maintain the protective screen in acceptable working conditions for the entire duration of the repair work as required by the Engineer-in-Charge. All the windows, ventilators, RCC jalis and openings shall be suitably covered and protected, in advance so as not to cause any damage while doing the repair work. If any damage is caused or glass panes are broken, these shall be made good by the contractor at his own cost and to the entire satisfaction of Engineer-in-Charge.

7 TEMPORARY BARRICADING:

Proper temporary barricading and safety net on ground, shall be carried out by the contractor to physically define the boundaries of the site of repair / construction activity, for restricted entry of only those involved with the work and to prevent any accidents, but with minimum inconvenience to the residents / occupants. Nothing extra shall be payable on this account.

8 FALSE WORK:

The false work required to be carried out to facilitate repair work shall be provided by the contractor and nothing extra shall be payable on this account. Before structural repair is carried out, the structural member to be repaired should be relieved of stresses and strains and for this the self load and imposed load over the structural members being repaired should be suitably transferred to the false work and adjoining existing structural members safely taking into account the capacity of the false work and also of the adjoining structural members. Also sequence of fixing and removal of false work including safe load transfer should be pre - decided and followed.

False work shall be strong enough to withstand all the dead and live loads and forces / impacts caused by dismantling, chipping, ramming, vibration of concrete and other incidental loads imposed over it including that of working platform, workers and personnel etc. during and after repair work. It shall be made sufficiently rigid by using adequate ties and braces etc. Deshuttering and removal of false work should be done after the lapse of specified time and re-propping done, if required, after de -shuttering, as approved by the Engineer-in-Charge.

False work shall be carried out using steel tubular sections with extension pieces or with steel built up sections to ensure relief to structural members from stresses. No timber ballies etc. shall be used.

The columns to be repaired shall be supported for full height of the building, to relieve its axial load through its adjoining intersecting beams and / or slabs etc. all floor levels. This shall be done even if only one storey length out of many storey lengths of the same column has been identified for structural repairs. The loads relieved are required to be transferred directly through props and supports on to the building foundation system or to the firm ground. Under no circumstances, the column load above this storey should be transferred by transfer through adjoining upper or lower intersecting beams alone.

The beams to be repaired shall be relieved of stresses and strains by suitably supporting the RCC slabs which are contributing load to that beam. To avoid over stressing of any existing flexural members receiving the transferred load of the distressed beam, the steel props and supports shall be taken and continued to the firm ground. For upper storeys the steel props shall be taken at least two storeys below or as directed by the Engineer-in-Charge.

The RCC slabs to be repaired shall be relieved from stresses by prop and support and simultaneously care to be taken to avoid its collapse during the repair process. However, supports should preferably be, not spare than 1.2 m X 1.2m. To avoid over stressing of existing flexural members receiving load of the distressed RCC slab, the steel props and supports provided shall be taken and continued to the firm ground or at least two slabs below or as directed by the Engineer-in-Charge.

9 All warning boards and displays, such as REPAIR WORK IN PROGRESS, KEEP AWAY FROM BUILDING, NO PARKING etc. along with sufficient supervisory staff on ground shall be provided by the contractor, wherever required. Nothing extra shall be payable on this account.

10 Water and electricity shall be arranged by the contractor at his own cost. Nothing extra shall be payable on this account.

11 The site of work shall be always kept neat and clean due to constraints of working space in and around buildings. To avoid nuisance to the occupants, all building rubbish / unserviceable materials shall be periodically removed from the premises to the approved municipal grounds and all necessary permissions in this regard have to be obtained by the contractor from the Municipal Authorities. Nothing extra shall be payable on this account.

12 Since the work is to be carried out in the occupied buildings, proper sequencing as regards dismantling of sanitary pipes, GI pipes, toilets etc. shall be done so as to cause minimum in- convenience to the occupants besides taking care of the constraint of keeping the system functional during repairs by making temporary arrangements, as required. Nothing extra shall be payable on this account.

13 The area of dismantling / guniting / replastering / repairing as per relevant items etc. given in the tender may have to be got done in patches, at different heights / levels also, for which nothing extra shall be payable.

14 Lifting of materials such as cement, sand, wooden planks etc. through the building lifts is prohibited. No mixing or off loading etc. of mortar / cement concrete etc. over the open terrace / flooring shall be permitted. Arrangements as deemed fit shall be made by the contractor for mixing / lifting / off loading all materials etc. at no extra cost.

15 PRODUCT DELIVERY, STORAGE AND HANDLING:

15.1 The contractor shall construct storage space for Chemicals and other materials to ensure that the storage conditions are as recommended by the manufauctures.

15.2 All the materials shall be procured and delivered in sealed containers with labels legible and intact.

15.3 All the chemicals (polymers, rusticide, epoxy, water proofing compound etc.) shall be procured in convenient packs, say 20 litres (Kgs.) capacity packing only or as approved by the Engineer-in-Charge, and not in bigger capacity containers, say 200 litre (Kgs.)drums.

15.4 All required material shall be got approved, procured and deposited with the departmental supervisory staff. The materials will be kept in joint custody of the contractor and the department. The watch and ward of such material shall, however, remain to be the responsibility of the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day to Day account of receipt, issue and balance will be regulated by the Department and proper account shall be maintained at site of work in the prescribed form as per standard practice.

15.5 All the chemicals shall be procured by the contractor directly from the manufacturer or their authorized dealers and copies of challans / cash memos towards the quantity of various chemicals procured shall be made available by the contractor to the Deptt. and the same shall be kept in record. The Name of manufaturers, manufacturer's product identification, manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of the each container.

15.6 The contractor shall submit for the chemicals pocured, manufacturer's and / or authorized dealer's certificate regarding supplying and verifying conformance to the material specification, as specified.

15.7 All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.

15.8 Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the Engineer-in-Charge.

15.9 All arrangement for measuring, dosing and mixing of material / chemicals at site has to be made by the contractor. Nothing extra shall be payable on this account.

15.10 Contractor shall suitably advise his site Engineer and all the workers as regard safe handling of chemicals. Necessary protective and safety equipments in form of hand gloves, goggles etc. shall be provided by the contractor at no extra cost and also used at site.

15.11 All incidental charges of any kind including cartage, storage and wastage and safe custody of material etc. shall be brone by the contractor and no claim, whatsoever, shall be entertained on this account.

16.0 VARIATION IN CONSUMPTION OF EMULSIFIED ACRYLIC POLYMER.

16.1 The theoretical consumption of the emulsified Acrylic polymer shall be as per the item description. For any variation between the actual consumption of acrylic polymer and theoretical consumption. Whether the variation is on higher side or lower side, the cost of polymer shall be recovered from the contractor @ Rs. 195 Per kg.

17.0 CREDIT FOR DISMANTLED MATERIAL:

17.1 The contractor shall take away all the serviceable and unserviceable dismantled material, by way of purchase, on as is where is basis. The credit to the department will be effected corresponding to the quantities being paid under the respective dismantling items.

18. Rate of double scaffolding, protective fabric screen and safety net is included in the item. Nothing extra shall be payable on this account.

PARTICULAR SPECIFICATIONS FOR REPAIR WORK

1.0 Adequate care should be taken by the contractor while dismantling, chiselling, demolishing work, drilling etc. that impact/ vibrations are minimum for considerations of structural safety and also for in-convenience caused to the users of the building. Rates shall cover cost of all inputs of material, labour, T&P etc. involved all the operations in the work.

2.0 Dismantling and repair work of any type like plaster, flooring, concrete, RCC, Brick work, GI / CI pipes, water proofing etc. shall be for all heights and all levels unless specifically mentioned in the item and no claim for extra cost shall be entertained on this account.

3.0 Sequence of strengthening work shall be as under:

(a) Strengthening of beams of first floor and columns from top of grade beams / foundations upto middle of second floor.

(b) Strengthening of beams of second floor and column from middle of second floor to middle of third floor.

(c) Strengthening of beams of fourth floor and terrace beams and columns from middle of the fourth floor upto terrace level.

(d) Strengthening of beams of third floor and columns from middle of third floor to middle of fourth floor.

Gunited Repaired Structural members shall be allowed to attain atleast 7 days strength before any load is transferred to that member.

4.0 For removal of all type of loose / delaminated / damaged / weak cement plaster from the surface of masonry or concrete, a cut normal to the surface all along the boundaries, in regular shape, shall be made not to exceed plaster thickness. Then plaster shall be removed completely to expose the parent masonry or concrete surface so as not to have any traces of such plaster left. For brick work, the joints have be properly raked and cleaned as per CPWD Specifications.

5.0 CHIPPING / DISMANTLING OF UNSOUND / WEAK CONCRETE:

5.1 The Chipping of unsound work / concrete / delaminated layer of guinting etc. shall be done by chipping(after properly supporting the member with false works), in regular shape, with sides parallel or normal to the direction of the reinforcement. The chipping shall be done minimum 50 mm beyond the perimeter of the spall. For a single spall, the repair area should have a minimum width of 100 mm in any direction. If a number of spalls are closely located to each other, these should be included in a single area marked for repair. The cut shall be made normal to the surface of member. The minimum depth of cut should be 12 mm.

5.2 Adequate care is to be taken not to cut the reinforcement steel and a cover meter could be used to estimate the depth of cover, for which nothing extra shall be paid.

Chipping should be done upto the required depth as decided by the Engineer-in- Charge to produce sound concrete surface to a near uniform depth for the repair areas.

5.4 Dimensions of area chipped off for RCC slabs, beams, columns etc. shall be measured in centimeters after the chipping / dismantling operation is completed. The area of the chipped / exposed RCC surface shall be measured in sq. m correct to second place of decimal.

For the RCC members to be completely dismantled, pre-measurement of the dimensions of RCC member to be dismantled shall be recorded before taking up the dismantling operation and volume of concrete dismantled shall be worked out in cubic metres correct to second place of decimal

5.5 Removal of concrete should begin at the interior of the repair areas and progress towards the boundaries. All edges and cavities shall be square shouldered.

6. CUTTING OF EXISTING REINFORCEMENT:

6.1 The existing reinforcement bars to be cut shall be identified and approved for cutting by the Engineer-in - Charge.

6.2 The reinforcement shall be carefully cut without causing excessive vibrations or damaging the structure and the recovered reinforcement should be straightened, cleaned of concrete by wire brush scrapped and stacked properly with in a lead of 50 metres as directed by the Engineer-in-Charge.

7.0 CLEANING OF EXISTING REINFORCEMENT AND PASSIVATING ITS SURFACE:

7.1 Before re -casting / jacketing of members or repairs by plastering to member with polymer modified mortar, the reinforcement has to be cleaned properly, as specified.

7.2 The rust has to be removed from the surface of the reinforcement manually using chisels, wire brush, emery paper etc. and then by sand blasting wherever possible and as directed by Engineer-in-Charge at no extra cost, till the steel surface is cleared of all rust that could be removed manually or mechanically.

7.3 Then rusticide or Alkaline chemical rust remover, as approved by the Engineer-in Charge shall be applied with brush over the reinforcement surface thoroughly along the full length of rusted reinforcement. After 24 hours of its application the surface shall be cleaned with wire brush and all loose particles removed. It should then be washed clean, with water, thoroughly and allowed to dry.

7.4 Rates shall include cost of all materials, labour, T&P etc. involved in all the operations.

8.0 ADDITIONAL REINFORCEMENT BARS:

For introducing additional reinforcement bars for new structural connections or supplementing additional steel area to the existing RCC member, the cross sectional area (diametre and no. of bars) and length required shall be approved by the Engineer-in-Charge. Also the depth of embeddment of reinforcement bar shall be approved by the Engineer-in-Charge. The holes of specified diameter and depth have to be power drilled in RCC. The drilled hole in dry state has to be cleaned with round brush and by blowing air through a tube inserted in the hole and connected to hand operated blower.

Then epoxy is to be injected from foil pack with help of epoxy dispenser and epoxy cartridge holder and disposable PVC mixing nozzle inserted inside the drilled hole to fill it from bottom of hole and upwards. Then the reinforcement bar is to be inserted and allowed to remain undisturbed for minimum 24 hours and allow epoxy adhesive to be air cured.

Rates shall include cost of all inputs of material, labour and T&P etc. involved in all the operations except the cost of reinforcement.

9.0 SHEAR KEYS:

Shear keys to be provided for structural connection of applied repair material with the substrate / parent surface for transfer of forces occuring at the interface, shall also be provided in similar manner as in para 8.0 above. The shear key bars cut and bend to the required shape shall be embedded in parent concrete to a minimum depth of 50 mm. Rates shall include cost of all materials, labour and T & P etc. involved in all the operations.

10.0 CLEANING OF EXPOSED RCC / CONCRETE SURFACE, INSERTING NIPPLES AND INJECTION GROUTING

10.1 The final chipped off concrete surface and exposed reinforcement, if any, of the affected structural member should be cleaned off all loose and foreign materials by free air blast and then with water and allow it to dry.

10.2 For the honey combed portion of the concrete or cracked concrete, drill holes at least 18 mm in diameter and depth upto 50 mm or half the member thickness whichever is less, at the required spacing, as directed by the Engineer-in-Charge.

10.3 For cracked surface, open up cracks by making V notch or groove of size 12 mm x 12 mm as directed by the Engineer-in-Charge.

10.4 Remove coarse debris and dust in opened up cracks and drilled holes by blowing air with hand operated blow out pump. Concrete surface required to be grouted shall be free from all loose and unsound material. The prepared surface should be clear of dust which could obstruct free flow of grout material and also impede its bonding with concrete surface. Saturate the concrete in vicinity of crack / honey combed concrete surface with water (but without excess water) only if the cementitious / polymer admixed grout is to be injected.

10.5 Insert 12 mm diametre specified injection nipples in holes drilled along cracked lines or in honey combed area of concrete and fix them by sealing on its sides with or polymer modified mortar, as directed by the Engineer-in-charge.

10.6 Seal the crack or the honey combed surface between the nipples by means of epoxy mortar or polymer modified mortar, as approved by the Engineer-in-charge. The polymer used shall be of approved grade and polymer modified mortar shall be applied as per specifications mentioned separately for polymer modified mortar. The polymer modified mortar shall be moist cured for 3 days and allowed to gain strength before actual grouting commences.

10.7 To inject grout in nipples, the cementitious grout shall be prepared from cement (OPC –43 grade), sand (sharp, washed well graded generally conforming to Zone IV of IS : 383) and water conforming of IS: 456 mixed in specified proportions as directed by the Engineer-in-Charge.

10.8 The emulsified acrylic polymer shall be as specified and shall conform to Manufacturer's specification. The physical and mechanical properties of polymers shall conform to manufacturer's specification. One test shall be carried out mandatory for every lot of acrylic polymer supplied at site, before use in the work.

10.9 The grouting equipment shall be capable of supplying mixing, stirring and pumping grout to the satisfaction of Engineer-in-charge. It shall have capacity to inject grout at a pressure upto 7 kg / sq. cm measured at grout connections. It shall be capable of mixing and pumping the cement sand grout 1:2 (1 cement : 2 sand) with water cement ratio ranging from 0.5 to 1.0

10.10 Wherever epoxy is to be used, the surface of the concrete shall be dried with air blast, before grouting or applying epoxy.

10.11 The cementitious grout in proportion as directed by the Engineer-in-Charge shall be prepared. It should be lump free of creamy consistency, thoroughly blended and shall be continuously stirred to keep the cement particles in suspension to retain uniform consistency till grout is injected.

10.12 In case of vertical cracks the injection shall be started at the lowest nipple and continued until the injected grout begins to flow out at the next higher nipple. The first nipple shall then be closed and injection continued from second until grout flows out at the third and so on. The process shall be repeated until the whole surface is treated. As soon as the system is cured, the nipples shall be suitably cut.

10.12 In case of honey combed concrete, each grout hole shall be grouted individually. The sequence of injection shall be as per the directions of the Engineer-in-Charge.

10.13 The measurement of grout material shall be on the basis of only the weight of cement consumed in kg.

10.14 Pre measurements of the quantities of such grouting materials brought at site and balance quantities remaining at the end of grouting application shall be recorded separately, which will determine the quantity of grout material actually injected. Adequate care is to be taken by the contractor as not to waste the grout. The quantity which can be consumed immediately within the prescribed time only shall be prepared in batches.

10.15 The quantity of grout material wasted, discarded, hardened shall not qualify for payment and shall be recorded for deduction at the end of each operation.

11 BONDING COAT:

Bonding coat is required to be applied for adhesion of applied repair concrete or mortar to the parent concrete. For this, the surface should be thoroughly cleaned by brushes and by blowing air from hand operated pump. The surface shall then be saturated with water (but without excess water).

The components of bonding coat shall be weigh batched and mixed in specific proportions, in a clean container, as directed by the Engineer-in-Charge. They should then be blended to a uniform and homogeneous mixture, lump free and of creamy consistency.

The specified bond coat should be applied by stiff nylon bristle brush. The bonding material should be worked well onto the concrete surface of the parent concrete including reinforcement surface ensuring that no pinholes are visible. The polymer modified bonding cement slurry shall be applied to a thickness not more than 2 mm. A second coat shall be applied within 15 to 20 minutes of application of the first coat at right angles to the first coat to ensure complete coverage and absence of pin holes. (Area of exposed RCC unit shall be measured in sq.m correct to two decimal places for the purpose of payment).

Pre fabricated shuttering shall then be erected immediately. Fresh concrete / mortar shall be placed /applied while the bond coat is still tacky and well within pot - life / setting period. If adhesive cures to the extent of loosing its tack or has set before concrete / mortar is placed / applied, the same shall be removed or slightly abraded and another coat of adhesive / bond coat shall have to be applied by the contractor at his own cost.

Freshly placed concrete shall be thoroughly consolidated to ensure full bonding of the fresh concrete with the parent concrete. If there is a failure of bond of fresh concrete / plaster with parent concrete surface and it sounds hollow on tapping, the repair work shall be dismantled and redone by the contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. CPWD Specifications for manufacture and Placing and curing of concrete shall, in general, be followed unless specified otherwise.

12 POLYMER MODIFIED MORTAR:

Polymer modified mortar shall conform to the item description given in the BOQ and the method of application & quality control shall be as per the manufacturer's specifications. The requisite number of test specimens of mortar shall be cast and tested. One test for the polymer modified mortar shall have to be mandatory carried out for every 500 sqm of plaster or part there of, in general.

Pre measurement of dimensions of plaster patches shall be measured correct to a centimetre and area worked out in sqm correct to two decimal places.

LIST OF APPROVED MATERIALS AND BRANDED & SPECILISED AGENCIES
LIST OF PREFFERED MAKES

Note :

1. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material or engaging any of the specialized agencies. The Contractor shall make a detailed submittal with catalogues and highlighted proposed specifications, as well as full details of the works proposed to be executed by the specialized agency, as specified.

2. Wherever applicable, the Engineer-in-charge may approve any material equivalent to that specified in the tender subject to proof being offered by the Contractor for equivalence to his satisfaction.

3. Unless otherwise specified, the brand / make of the material as specified in the particular specifications and in the list of approved materials attached in the tender, shall only be used in the work.

1	AAC Blocks	Birla Aerocon, Ultratech, Siporex, Ecolite, Go Green
2	Acoustic Insulation	U P Twiga, Lloyd Insulation, Saint Gobain, Knauf, Anutone
3	Adhesive For AAC Block	Ultratech, Ardex Ferrous Endura, Sika, Pidilite.
4	Adhesive For Tiles (Is: 15477 : 2004)	Sika, Pidilite, Cico, Fosrock, Homesure, Alccotech
5	Adhesive For Glass, metal and ceramics bonding	Sika, Pidilite, Astral (Bondtite) , Cico, Fosrock
6	Anchor / SS Stone Cladding Clamps / Dash Fasteners	Hilti, Fischer, Anchor, Cannon. Bosch
7	Aluminum Door / Window Fittings	Classic, Define, Bhoruka, Jyothi, Sigma, Ebco.
8	Aluminium Composite Panel	Aludecor, Eurobond, Alstrong, Alucobond, Alstone
9	Aluminium Extrusion Sections	Jindal, Hindalco, Indal (Use Of Domal/Superior/Heavier Sections Only. Engineer-In-Charge May Relax This Condition As Per Work Requirement).
10	All Types Of Silicone	Dow Corning, Basf, GE, Wacker, Astral(Resibond]
11	Anodizing	Lakshmi Anodisers, Aura Architectural Coatings, Alufin, Bhoruka
12	Automatic Sliding Door Operating System	Dorma, Ozone, Cosyst Devices or Equivalent
13	Backer Rod	Supreme Industries, Norton, Bow, Aastha
14	Bamboo Wood Flooring	EPITOME, ESES Bio Wealth Pvt Ltd.
15	Carpet Tiles & Rolls	Welspun Group, Roya, SMJ, Shaw
16	Calcium Silicate False Ceiling Tiles	Hilux, Aerolite, Diomond, Anutone, Armstrong, Saint Gobain Gyproc, Hunter Douglas
17	Centifugally Cast (Spun) Iron Pipes And Fittings [IS:3989:2009]	Neco, SKF, Kapilansh, Rpmf
18	Centifugally Cast Iron Hubless Pipes Pipes And Fittings [IS:15905:2011]	Neco, SKF, Kapilansh, Rpmf
19	Centifugally Cast Iron socket and spigot spun pressure pipes and Fittings [IS:1536:2023]	Neco, SKF, KDUPl, Rpmf
20	Cast Iron & Ductile Iron Manhole Covers, Frames & Gratings [IS:1726:1991& BS EN 124]	Neco, SKF, Kapilansh, Rpmf
21	Cement	ACC, Ultra Tech, J. P. Cement, Vikram, Shree Cement, Birla Shakati, Dalmia Cement, Cement Corporation of India

22	Cement Primer	Nerolac, Berger, BP White Of Berger, Decoprime Wt Of Asian Paints, White Primer Of Ici Dulux
23	Ceramic Tiles, Pressed Ceramic Tiles (IS: 15622:2017)	RAK, Kajaria, H & R Johnson, Somany, Nitco, Orient Bell, Vitero
24	Concrete Blocks (Is: 2572 : 2005)	Conwood, Gurjari, Hindustan, Lok Group, Sai Block, Ved Pmc Ltd
25	Composite / Italian Marble	Nitco, Classic Marble, Euro, Asian
26	Sand Stone, Lime Stone , Granite [IS: 3622:1977, IS 3204: 1978 and IS 14223: 2023	Classic Marble, Euro, Asian, Stone Shippers
27	CPVC Pipes & Fittings	Astral, Birla Hil, Supreme, Finolex, Prince, AKG, Sudhakar, Jain Plumbing, Kisan,Vigor
28	CP Brass Water Supply Faucets (Fittings) Superior Range	Jaquar, Kohler, Roca, Marc, Grohe
29	CP Brass Water Supply Faucets (Fittings) Normal Range	Hindware, Jaquar, Parryware Prima(ISI Marked), Cera, Ess-Ess, Marc, Kohler, Roca
30	Copper alloy single taps, Combination tap assemblies. Stop valves and single lever mixers for water services [Varieties Covered: Copper alloy fancy single tap-Bib Cock, Pillar Cock, Single Stop valve, Concealed stop valve, all of size 15 mm), -IS 8931:2021	Jaquar, Ess-Ess, Marc, Astral, Coronet, Topsan, (ISI mark only)
31	Crystalline Water Proofing Compound (Is : 2645 : 2003)	Fosroc Crystalline, Dr. Fixit Crystalline, Sika Crystalline, Asian Paints Crystalline Quart, BASF, Cico, Ardex Endura
32	D I Pipes & Fittings	Electrosteel, Jindal, Tata Ductura, Sripipes (Lenco)
33	Door Stopper / Indicator Bolt / Push Plate	Dorma, KICH, Hafele, Magnum
34	Epdm Gaskets	Amee Rubber Industries Pvt. Ltd. , Bohra Rubber, Anand Nvh, Roop Polymer, Osaka.
35	Epoxy Flooring	Asian Paints, Fosroc, Bostik, Ardex, Pidilite
36	False Ceilings & Sections	Aerolite, Anutone, Knauf, USG Boral, Hunter Douglas, Saint Gobain, Diamond
37	Fire Retardant Paint	Jotun, Promat, Dulux, Akzonobel, Asian Paints
38	Fire Smoke Seal	Hilti, Promate Fire, Atroflame, Raven
39	Fire Rated Hardware	Dorma, Ingersolrand, Dorset, Backers Fs, Geze, Bhawani Fire, ASES .
40	Fire Rated Glass	Saintgobain, Promate Fire, Schott, Pilkinton, Bhawani Fire
41	Flush Door Shutters (Wooden) (IS : 2202 : 1983)	Jain Doors, Kenwood, Anchor, Kutty, Greenply, National, Jayna, Samrat, Mayurply, Duroply, Century, Kalpataru, Ramaply, Airolam, REDMOND, Vibrant Door Craft , Archidply (Note: Only ISI Marked Flush Doors Shutters To Be Used)
42	Float Glass Mirror	Modiguard, Saint Gobain, Asahi, Sisecam (old brand -Hng)
43	Float Glass [IS 14900:2018]	Saint Gobain, Asahi Glass, Emirates Glass, Guardian Glass, Sisecam (old brand -Hng) , Pilkington Glass
44	FRD Frame& Shutters	Kenwood, Anchor, Kutty, Bhawani Fire.
45	Furniture (Readymade)	Godrej, Durian, Nilkamal, Featherlite, Adarsh

46	Fire doors and Assembly [Varieties of doors: Fire Rated Metal , Fire rated Hinged Wooden doors and Glazed door [IS : 3614 : 2021]	Jain Doors, Godrej, Navair, Promat, Bhawani Fire, Supreme metwood, REDMOND, Pacific, Vibrant Door Craft, ASES.
47	Galvanization	Jenco Group, Sadhana Engineering Corporation Of Steelite Engineering Ltd.
48	G.I.Pipes And Fittings	Sail, Zenith, Tata, Jindal(Hissar), Prakash Surya
49	Glass Mosaic Tiles	Bisazza, Italia, Coral, Mridul, Birla, Jk Cement, Pavitpalladio
50	Glass Processor (For Safety Glass Etc.)	Saint Gobain, Asahi Glass, Emirates Glass, Guardian Glass (Sunguard), Sejal, Glasstech, Fuso, Fg, Gsc, Nsd, Schott.
51	Glass Door Hardware	Dorma, Kich, Hefele, Ozone, Geze, Dorset,
52	Glass Fiber Strand	Saint Gobain, Nippon Electric Glass Co. Ltd, Sterlite
53	Grouts	Ardex Endura, Ferrous Crete, Myk Arment, Basf, Fosrock, Pidilite, Saint Gobain
54	Gypsum Board / Glass Reinforced Gypsum Tile For False Ceiling	Saint Gobain Gyproc India, Usg Boral Board, Armstorng, Diamond
55	HDPE Pipes [Water Suplly-IS: 4984: 2016, Sewerage and Industrial Chemicals-IS: 14333:2022]	Reliance, Jainpipes, Oriplast, Supreme, Sy-Aron, Sudhakar, Jain Plumbing, Kisan
56	High Density (HDF), Prelaminated Board	Pergo, Greenply, Alstone, Ecoste, Echon, Archidpanel
57	Hydraulic Door Closer, Floor Spring	Hardwyn, Dorma, Godrej, Everite, Dorset, Hafele, Hetich, Kich
58	Hydrophobic Coating	Dupont, Dow Corning, Evercrete, Aquamix
59	Hot Press Moulded Thermosetting Glass Fibre Reinforced Polyester Resin (Grp) Sectional (Smc Tank) Water Storage Tanks: Capacity Range:-1000 L To 1200000 L (Is 14399 (Part-1 &Part-2):1996	Sovisy, Sintex, Amitex, Neerco
60	Intumescent Strips	Promat, Pemko, Intumex, Astroflame
61	Laminates (IS 2046:1995)	Formica, Merino, Greenlam, Century, Archidlam, Kitply, Samrat, Sunmica, Decolam, Asislam, Airolam,
62	Low Relaxation Prestressing Strands	Tata , Usha Martin, Dp Wires
63	Locks & Latches	Godrej, Dorset, Hefele, Yale, Link
64	Masking Tape	3M, Sun, Wonder Tape, Roop Polymer
65	Metal False Ceiling	Armstrong, Hunter Douglas, Royal Kraft, Interarch, Mcra
66	Metallic / Steel Fire Door	Shakti, Promat Navair, Fire, Godrej, Kenwood, Bhavani Fire., ASES
67	Melamine Polish	1. Asian Paints: Melamine Gold 2. Pidilite Industries: Wudfin 3. Dulux; Timbertone
68	HDPE Membrane Water Proofing System For Basement	Basf, Ferrous Crete, Shalimar, Pidilite, Ardex Endura, Myk Arments, Asian Paints
69	Micro Concrete	Asian Paints, Fosroc, Sika
70	NP2 Class, R.C.C. Pipes	Jain Spun Pipe, K. K. Spun Pipe, The Indian Hume Pipe Co. Ltd., Patel Hume Pipes
71	Rotational Moulded PVC water Tanks (IS : 12701:1996)	Sintex, Plasto, Lotus, Astral , Sudhakar (ISI Marked)
72	Paver Blocks / Tactile Tile	Vyara, Super, Johnson

73	PVC / WPC Kitchen Cabinets & Cupboards	Rajshree, Alstone, Ecoste
74	Prelaminated Particle Board Exterior Grade	Gvk Novapan, Marino, Kitply, Tesa, Ecoboard, Archidply, Century, Greenlam, Action Tesa, Greenlam.
75	Pre Mixed Cement Sand Mortar	Pure, Walplast, Ultratech, Asian Paints, Acc
76	Acrylic Smooth Exterior Paint	1. Apex Suprema of Asian Paint 2. Weathercoat Glow of Berger 3. Dulux Professional Weathershield Prima E-900 of Dulux 4. Excel Super of Nerolac
77	Premium Acrylic Smooth Exterior Paint	1. Apex Ultima Suprema Of Asian Paint 2. Wc Longlife Flexo Of Berger 3. Dulux Professional Weathershield Prima E-1000 of Dulux 4. Xl Total Of Nerolac, Weather Coat All Guard Of Berger
78	Acrylic Emulsion Interior Paint	1. Apcolite Suprema Of Asian Paint 2. Bison Emulsion Of Berger 3. Dulux Promise Smart Choice Of Dulux 4. Nerolac Beauty Of Nerolac
79	Premium Acrylic Emulsion Interior Paint	1. Apcolite Suprema Premium Of Asian Paint 2. Rangoli Tot Care Of Berger 3. Dulux Professional Interior A-900 Of Dulux 4. Nerolac Beauty Gold Premium Of Nerolac
80	Epoxy Primer	1. Protectomastic Rpl Of Berger 2. Interseal 670Hs Of Dulux 3. Neromastic 400 Of Nerolac
81	Epoxy Paint	1. Epoxy 2 Pk Finish Of Asian Paint 2. Epilux 155 Enamel Of Berger 3. Interthane 990 Of Dulux 4. Neropoxy 5055 Finish Of Nerolac
82	Aliphatic Pu Paint	1. Bergerthane Pu Finish Of Berger 2. Interthane 990 Of Dulux 3. Nerothane Pu Emamel Of Nerolac
83	Steel Primer Red Oxide Zinc Chromate	1. Truecare High Perfomance Of Asian Paint 2. Bp Pro- Zinc Yellow Of Berger 3. Dulux Red Oxide Metal Primer Of Dulux 4. Red Oxide Primer Of Nerolac
84	Synthetic Enamel Paint	1. Apcolite Premium Gloss Enamel Of Asian Paint 2. Luxol Hi Gloss Of Berger 3. Dulux Professional Premium Enamel Of Dulux 4. Nerolac Guddy Synthatic Enemal (Nse) Of Nerolac
85	Polycorbonate Sheet	Lexan, MG Polyplast, GE Silicons, Polygal India, DPI Daylighting, Coxwell, Palram
86	PPR Pipes	Sfmc, Prince, Kpt Pipes, Supreme
87	Plasticizer, Admixture, Super Plasticizer, Curing Compounds.	Sika, Fosroc, Basf, Sunanda Chemicals Lts, Rofe / Dr. Fixit (Pidlite Industries), Cico, Ardex Endura (Balendura), Asian Paints
88	PVC Door Frames And Shutters	Rajshri, Plastiwood, Sintex, Accura, Duroplast, Kaka
89	PVC Flooring	LG Hausys, Armstrong, Gerflor, Responsive Industries
90	PVDF Coating	Aura Architectural Coatings, M. J. Coaters Pvt. Ltd., S P Architectural Coatings Pvt Ltd., Ameco
91	Oriented Unplasticized Polyvinyl Chloride (PVC-O) Pipes for Water Supply [IS: 16647:2017]	Kisan, bhartiwaters, ChemFab Alkalies, Ocean Water Tech

92	Ready Made Gypsum Plaster	Ferrous Crete, Ultratech, Gyproc
93	Ready Mix Concrete	Skyway, A.C.C., Ultra Tech, Lafarge,RMC Ready Mix , Godrej, Aparna
94	Reinforcement Steel (Tmt Fe 500D) (Crs Steel)	Sail, Tata Steel, Rinl, Jindal Steel & Power Ltd.(Jsol), Jsw Steel Ltd.
95	Reflective Soft Coated / Low E Glass	Saint Gobain, Asahi Glass, Emirates Glass, Guardian Glass, Glaverbel
96	Rolling Shutters & Grills	Standard, Swastik, Shubdhwar
97	Rock Wool/ Glass Wool	Vetrotex Industries Pvt. Ltd., Up Twiga, Rock Wool India Ltd. Dow Coring, Lloyd Insulation
98	S. F. R. C. Covers	K. K. Spun Pipe, Jain Spun Pipe, S. S. Industries, Pragati
99	Spider Patch Fitting, For Curtain Glazing	Dorma, Hafele, Kich, Ozone, Saint Gobain (Model: Sevax)
100	Structural Steel, MS ERW Pipes & Tubes (IS: 1239-Part-I-2004, Is: 4923-2017, IS: 1161-2014, IS: 3601-2006, Is: 9295-1983, Is: 3589-2001, Is 277-2018]	Tata Steel, Sail, Rinl, JTL, Jindal, Mpl Steel Pipes, APL Apollo
101	S.S Butt Hinges (IS : 12817:2020)	Prayag, Ozone, Dorma, Kich, Hafele,
102	Stainless Steel Screws	Kundan, Alloy Ltd., Gkw, Nettlefold, Atul Fastener.
103	S.S Bolts, Washers, Nuts	Kundan, Pooja, Atul Hilti
104	S. S. Handles, S.S Tower bolt, S.S Sliding door bolt (IS: 15833:2009, IS 15834: 2020)	Dorma, Kich, Hafele, Dorset,
105	S.S Friction Hinges	Hetich, Hafele, Ebco, Roto
106	Stainless Steel Pipes For Railing	Made From Salem Steel, Jindal Or Sail Sheet.
107	S S Press Fit Pipes & Fittings	J - Press Or Equivalent
108	Sanitary Wares	Kohler, Roca, Cera, Hindware, Parryware, Astral
109	S. S. Sink (IS : 13983:1994)	Neelkanth, Nirali, Navkar, Jindal, Futura, Cera, Diamond, Hindware, Joyna, AMC
110	SWR Pipes & Fittings	Birla Hil, AKG, Supreme, Astral, Finolex, Prince, Sudhakar, Jain Plumbing, Kisan, Vigor
111	Structural Wall Plastic Pipes & Fittings for Non-Pr. Drainage and Sewerage	Supreme, Astral, Finolex, Prince, Jain Plumbing
112	Thermal Insulation Treatment	Pidilite, Basf, Rock India
113	Textured Exterier Paint	Asian Paints, Spectrum Paints, Heritage, Ici Dulux, Nerolac, Berger Ultratech Paints
114	Timber Door, Window and Ventilator Frame.	Deccan Doors, REDMOND, Mahavir Wood Industries, Shreeji Woodcraft Pvt. Ltd.
115	Toilet Modular Cubicals	Merino By Besco , Matrix Cubicle System, Jaguar
116	UPVC Pipes And Fittings	Supreme, Astral, Flow Guard, Finolex, Prince, Birla Hil, AKG, Sudhakar, Jain Plumbing, Kisan, Vigor
117	UPVC-U Screen And Casing Pipes For Bore/Tubewell [Is 12818: 2010]	Supreme, Astral, Flow Guard, Finolex, Prince, AKG
118	UPVC Pipes For Use Of Underground Drainage & Sewerage Systems [IS 15328: 2003]	Supreme, Astral, Flow Guard, Finolex, Prince, AKG, Sudhakar, Kisan
119	uPVC Doors, Door Frames And Windows [IS 17953:2023]	Duroplast, LG India, Aluplast, Profile India, Rehau, Okotech, Fenasta, Wintech, Sudhakar, Yashpoly

120	Valves	Zoloto, Leader, Kirloskar, Arco, Gm, Audco,
121	Veneers	Anchorply, Archid, Kitply, Green Ply, Century, Marino, Mayur Ply, Duroply, Durian. Nipponply.
122	Vitrified Tiles	Agl, Rak, Kajaria, H & R Johnson, Somany, Nitco, Orient Bell, Ambani Tiles.
123	White Cement	J.K., Birla
124	Water Proof, Commercial & Fire Retardent Plywood, Veneered Decorative Plywood, and Block Boards [IS 1328:1996, IS 303 :1989, IS: 710:2010, IS: 1659:2004, IS : 4990:2024, IS 5509;2021)	Anchor, Archidply, Kitply, Green Ply, Century, Mayurply, Jayna, Samrat, Duroply, Regency, Kalpataru, Nipponply , Ramaply, Airolam, Durian,
125	Wooden Adhesive	Pidilite, 3M, Dunlop
126	Wooden Flooring	Welspun, Action Tesa, Armstrong, Durafloor, Pergo, Greenlam
127	Wood Plastic Composite (Wpc) Flooring	Ego, Ebaco, Hem Interior (Wpc Deck)
128	Wood Primer	Ici Dulux, Asiam Paints (Wood Primer-White / Pink), Berger Paints, Nerolac.
129	White Cement Based Putty	Mr. Putty, Birla Wall Care, J K White, Asian, Berger, Ardex Endura
130	Waterproofing Compound	Pidilite: Lw +, Asian Paints: Smart Care Vitalia, Fosroc: Complast 421, Sika: Sikacim, Struco Excel, Cico, Myk Arment, Basf India Ltd., Astral (Trubuild)
131	Waterproofing For Toilets & Wet Areas	Fosroc: Brush Bond, Cico: Tapecrete, Dr. Fixit; Pidifine 2K, Sika: Nito Bond, Asian Paints: Damp Block 2K, Sunanda, Perma, Basf, Ardex Endura.
132	Work Chairs (IS 17631:2022)	Adarsh, GeeKen, Wipro
133	Zincalume/Galvalume/Metalume Profile Sheet	Tata Blue Scope, Pennar, Cril, Colorshine Signature , (Color Roof India Ltd).

GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF PREMIUM ACRYLIC SMOOTH EXTERIOR PAINT / ACRYLIC ELASTOMETRIC DECORATIVE EXTERIOR WATERPROOF COAT WORKS.

This agreement made this ---------- day of ---------- ------Two thousand and ---------- between ---------- son of ---------- of ---------- (hereinafter called the Guarantor of the part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other Part)

WHERAS THIS AGREEMENT is supplementary to a contract (hereinafter called for Contract) dated ---------- and made between the GUARANTOR of the one part and the GOVERNMENT of the other part, hereby the Contractor interalia, under took that the acrylic painting / Acrylic elastomeric decorative exterior waterproof coat work done on building will remain non flaking and uniform colouring without patches.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to effect that the said Acrylic painting will remain non flaking and uniform colouring without patches for 05 (Five) years from the date of completion of work.

NOW THE GURANTOR hereby guarantee that Acrylic painting done by him will remain non flaking and uniform colouring without patches and the minimum guarantee period of such painting shall be 05 (Five) years to be reckoned form the date of the completion of work.

Provided that the guarantor will not be responsible for damage caused due to earthquake or misuse of buildings or alteration and for such purpose. The decision of the Engineer-in-Charge with regard to cause of damage shall be final and binding.

During this period of guarantee the guarantor shall make good all defects to the satisfaction of the Engineer-in-Charge at his cost and shall commence the work for such rectification within seven days from the date of issue of henotice from 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 the defects or commits breach there under then the guarantor will indemnify the principal and his successors against all loss, damage cost, expenses 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 and the decision of the Engineer-in-Charge will be final and binding on both the parties.

An amount equivalent to 2% of relevant item from Schedule of Quantity (Civil) will be deducted from Bills as security (in addition to security deposit @2.5% to be deducted from gross bill amount) and the same will be refunded after 05 (Five) years from the date of completion of work.

IN WITNESS WHEROF these presents have been executed by the obligator ---------- and by ---------- and for and on behalf of the PRESEDENT 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.

GUARANTEE TO BE EXECUTED BY CONTRACTOR
FOR REMOVAL OF DEFECTS
AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS.

This agreement made this _____ day of _____ Two Thousand _____ between _____ son of _____ (hereinafter called the guaranter on one part) and President of India (hereinafter called Government on the other part).

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the contract) dated _____ and made between the GUARANTER OF THE ONE part and the GOVERNMENT of the other part, where by the contractor, interalia, undertook to render to buildings and structures in the said contract recited completely water and leak proof.

AND WHEREAS THE GUARANTER agreed to give a guarantee to the effect that the said structures will remain water and leak - proof for **FIVE YEARS** from the date of giving the water proofing treatment.

NOW THE GUARANTER 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 **FIVE YEARS** to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guaranter 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 any operation which will damage proofing 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 or construction adjoining to existing roof, where by water-proofing treatment is removed in parts :
c) the decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

During this period of guarantee the guaranter shall make good all defects and in case of any defects being found, render the building water proof to the satisfaction of Engineer-in-Charge at his cost 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 the Department by some other contractor at the GUARANTER'S cost and risk. The decision of the Engineer-in-Charge as to the cost, payable by the Guaranter shall be final and binding.

That if Guaranter fails to execute the water proofing or commits breach thereunder, then the Guarantor will indemnify the principal and his successors against all loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of GUARANTER 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 of the parties.

IN WITNESS WHERE OF these presents have been executed by the obligor _____ and by _____ and for and on behalf of the PRESIDENT OF INDIA on the day, month and year first above written.

SIGNED, sealed and Delivered by (OBLIGOR) in the presence of :
1. _____

2. _____

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA by _____ in the presence of :
1. _____

2. _____

ANNEXURE-I

On non judicial stamp paper of minimum Rs. 100
(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

Form of Performance 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..... …….. (here in after referred to as the "Bank") hereby undertake to (indicate the name of the Bank) pay to the Government an amount not exceeding Rs (Rupees…… only)
   on demand by the Government.
2. We ……do hereby undertake to pay the amounts due and payable (indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(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 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..... ……. further agree that the Guarantee herein contained shall (indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said agreement, and 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 the Engineer-in-charge, ...on behalf of the Government, certifies that the terms and conditions of the said .....agreement have been tully and properly carried out by the said contractor(s). and accordingly discharges this guarantee.

5. We..... …… further agree with the Government that the Government. (indicate the name of the Bank) 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 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).
7. We……Iastly undertake not to revoke this Guarantee except with (indicate the name of the Bank) the previous consent of the Government in writing.
8. This Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs ..... (Rupees……..only), and unless a claim in writing is lodged with us within six months of the date of expiry or 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)

Central Public Works Department
Office Memorandum

No. DG/Enlist. Rules-2023/ 10

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi **Dated:22.04.2024**

Sub: **Modification for enlistment under rule 12.0 in ER-2023.**

Ref: OM No. DG/Enlist.Rules-2023/03 dated 20.09.2023 and DG/Enlist.Rules-2023/07 dated 12.01.2024

Following modification is made in the Enlistment Rules 2023.

Existing Provision	Modified Provision
12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below:	12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below:
(a) to (d)	No Change
(e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit at of CPWD before 31.03.2024. Training will be valid only when participants are registered and certificate issued through LMS (Learning Management System) in ERP.	(e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP **(Enterprise Resource Planning**) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD before **30.06.2024**. Training will be valid only when participants are registered **in LMS** (Learning Management System) **of ERP** and certificate **is** issued through LMS **of** ERP.
From 01.04.2024, the enlisted contractor will not be allowed to participate in tendering process without	From **01.07.2024**, the enlisted contractor will not be allowed to participate in tendering process without uploading the

22/04/2024
R.K. JAIN
EE (Contract)

uploading the certificate of above training.	certificate of above training.
(f)	No Change
(g) No provision	(g) **In case of non-enlisted contractor being first lowest in any of the tender then either contractor himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD within two months from the date of issue of Intent letter.** **Training will be valid only when non enlisted contractor is registered in LMS of ERP and certificate is issued through LMS of ERP.** **Failure to do so, a recovery of Rs. 10,000/- per week shall be made from the R/A bill without giving any show cause notice in this regard.**

This issues with the approval of DG CPWD.

22.04.2024
(V.P. Sahu)
Superintending Engineer (C&M)

Issued from file No. CSQ/CM/18(4)/2024, e- file 9161361

All CPWD and PWD officers for information and necessary action.(Through CPWD website)

22/04/2024
R.K. JAIN
EE (Contract)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/13

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 31.01.2025**

Subject: Modifications in Clause 7A of GCC 2023 for Maintenance Works

The following amendments are made in the Clause 7A of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7A 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.	**Clause 7A** **(a)** No Running Account Bill/**Final 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. **(b) The following documents shall also be part of the bill submitted by the contractor (these documents shall be owned by the contractor) before making payment:-** **1. Details of person employed with date of their employment up to previous month.** **2. Documents of payment made to the employees directly into their bank accounts up to previous month.** **3. Documents of attendance through biometric attendance or other mode up to previous month.** **4. Documents of deposition of EPF and ESI deductions in the employee's accounts up to previous month.** **5. Any penalty imposed on the agency for delay in disbursing payment and deposition of EPF and ESI deductions in the employee's accounts up to previous month.** **6. Any other document(s) required as per statutory requirements and/or as directed by Engineer-in-Charge.** **(c) In case, any of the documents submitted by the contractor is found false/forged at a later date, action for debarment of contractor will be taken by the SE/CE concerned.**

This issues with the approval of DG, CPWD.

31/1/25

(दिनेश कुमार उज्जैनिया)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9184028 (DFA/9313089)

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

31.1.25
R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/17

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 06.11.2025

Subject: Modification of Clause 19L of GCC-2023 for Maintenance Works.

The clause 19L in GCC-2023 for Maintenance Works is being modified:

Existing Provision	Modified Provision
Clause 19 L Contribution of EPF and ESI The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis. The verification of deployment labour will be done through biometric attendance system or any other suitable method by the Engineer in Charge. The applicable and eligible amount of EPF & ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order	**Clause 19 L Contribution of EPF and ESI** **It will be mandatory for all the agencies to register with ESI and EPFO departments within 30 days of the award of the work unless exempted by the provisions of ESI and / or EPFO and as amended time to time.** The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer paid by the contractor shall be reimbursed by the Engineer-in-charge to the contractor on actual basis. The verification of deploy**ed** labour will be done through biometric attendance system or any other suitable method by the Engineer in Charge. **The agency shall submit an affidavit on a stamp paper of Rs. 100 that the employees were engaged fully and exclusively on the work for which the claim is being made.** The applicable and eligible amount of EPF & ESI shall be reimbursed preferably within 7 days but not later than 30 days of submission of documentary proof of payment provided same are in order

This is issued with the approval of DG CPWD.

06.11.2025

(चन्दर पाल)

अधीक्षण अभियंता (सी.एंड एम.)

Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/17(1)/2024/ Maintenance **e-file 9195855 (DFA/9350595)**

के.लो.नि.वि. तथा लो.नि.वि. दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु (के.लो.नि.वि.वेबसाईट के माध्यम से)।

6/11/25

D.P. Jindal

EE (Contract)

C – Nil, I – Nil, O - Nil **AE (P) / EE**

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/18

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

VIDYUT BHAWAN, NEW DELHI **Dated: 27.02.2026**

Subject: Modifications in General Rules & Directions, Clause 1 and Schedule E of GCC 2023 Maintenance Works

The following modifications are made in the General Rules & Directions, Clause 1 and Schedule E of GCC 2023 Maintenance Works.

Existing provision	Modified provision
General Rules & Directions 11 (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in Schedule 'E' and within the period specified in Schedule F.	**General Rules & Directions** 11 (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee as mentioned in Schedule 'E' and within the period specified in Schedule F. .....
Clause 1 **Performance Guarantee** (i) The contractor shall submit an irrevocable Performance Guarantee at specified percentage of the tendered amount as mentioned in Schedule 'E', 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 period specified in Schedule 'F' from the date of issue of letter of acceptance.	**Clause 1** **Performance Guarantee** (i) The contractor shall submit an irrevocable Performance Guarantee as mentioned in Schedule 'E', 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 period specified in Schedule 'F' from the date of issue of letter of acceptance. .....
Sl. No. (ii) to (v)	No change
SCHEDULE 'E' Reference to General Conditions of contract Sl. No. (i)	**SCHEDULE 'E'** Reference to General Conditions of contract No change

27/2/26
EE(C)
D.P. Jindal
EE (Contract)

(ii) Performance Guarantee : 5% of tendered value.	(ii) Performance Guarantee : **(a)** 5% of tendered value **or Estimated Cost Put to Tender (ECPT) (whichever is higher).** **(b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**
Sl. No. (iii)	No change

This issues with the approval of DG, CPWD.

27.02.2026

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

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2026/ Maintenance e-file 9212995 (DFA/ 9365660)

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

27/2/26
EE(C)
D.P. Jindal
EE (Contract)

C – Nil, I – Nil, O - Nil **AE (P) / EE**

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
5.2 Performance Guarantee	**5.2 Performance Guarantee**
Sl. No. 1	**No Change**
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.	**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.
Sl. No. 3	**No Change**
4. No provision	**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.**
5. No provision	**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**

R. Jindal
EE (Contract)

	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.**

This is issues with the approval of DG CPWD.

27.02.2026

((चन्द्र पाल)
अधीक्षण अभियंता (सी एण्ड एम)

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

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

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

27/2/26

D.P. Jindal
EE (Contract)

C – Nil, I – Nil, O - Nil **AE (P) / EE**

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/19

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated: 25.03.2026

Subject: Modifications in Clause 6 and Schedule 'F' of GCC 2023 Maintenance Works

The following modifications are made in the Clause 6 and Schedule 'F' of GCC 2023 for maintenance works, for annual repair and maintenance works, special repair works, comprehensive maintenance works and upgradation works amounting upto Rs. 10 crores in Delhi only.

Existing provision	Modified provision
Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal	**Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal**
Engineer-in-Charge ..... with the contract.	Engineer-in-Charge ..... with the contract.
All measurements and levels of work done during the period covering latter half of the preceding calendar month and first half of the calendar month shall be recorded by the contractor and compiled in the shape of the Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB) through CPWD ERP portal / Computerized Level Book (CLB) respectively having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works executed under the contract during the said period. The proforma Computerised Measurement and level books (along with soft copy) shall be submitted in triplicate through letter of transmittal to the Engineer-in-charge giving details of number of CMBs / CLBs and their number of pages by 20th day of every calendar month.	All measurements and levels of work done during the period covering latter half of the preceding calendar month and first half of the calendar month shall be recorded **either** by contractor **or jointly by department and contractor as specified in Schedule F** and compiled in the shape of the Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB) through CPWD ERP portal / Computerized Level Book (CLB) respectively having pages of A-4 size as per the format of the department so that a complete record is obtained of all the items of works executed under the contract during the said period. The proforma Computerised Measurement and level books (along with soft copy) shall be submitted in triplicate through letter of transmittal to the Engineer-in-charge giving details of number of CMBs / CLBs and their number of pages by 20th day of every calendar month..
In case of EMB, ... calendar month.	**No change.**

25/3/26
D.P. Jindal
EE (Contract)

All such monthly ..... his/her authorized representative.	**No change.**
In case of CMB/CLB, ... corrected and authorized proforma CMB / CLB.	**No change.**
In case of EMB, ... record of measurements available on ERP Portal.	**No change.**
Once the Engineer-in-charge ..... number of the CMB / CLB /EMB to the Contractor.	**No change.**
If the contractor fails ..... Clause 25 of this GCC.	**No change.**
Resources deployed ..... shall be sent to the contractor for his record.	**No change.**
The contractor ..... the Engineer-in-Charge or his/her representative.	**No change.**
Except where any ..... is available then a mutually agreed method shall be followed.	**No change.**
The contractor shall ..... the same was executed.	**No change.**
Engineer-in-Charge or ..... to such checking of measurements or levels.	**No change.**
It is also a term of ..... defects liability period.	**No change.**
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) Clause 6 : Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)	**PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)** **Clause6: Computerised Measurement Book (CMB) / Electronic Measurement Book (EMB)**

25/3/22
D.P. Jindal
EE (Contract)

Mode of measurement : CMB / EMB Note:- One option to be kept by NIT approving authority	**(a)** Mode of measurement: CMB/ EMB **(b) Measurement to be recorded either by contractor or jointly by department and contractor.** **Note:-Only** one option to be kept by NIT approving authority **in (a) and (b)**

This issues with the approval of DG, CPWD.

25.03.202

(चन्द्र पाल)
अधीक्षण अभियंता (सी.एंड एम.)

चन्द्र पाल, अधी. अभि. (सी. एण्ड एम.)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance
e-file 9195855 (DFA/ 9355745)

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

25/3/26

D.P. Jindal
EE (Contract)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated: 18.08.2026

Sub: Modification in Clause 19K: Deployment of Skilled/Semi-Skilled Tradesmen for GCC 2023 Maintenance Works.

Following modification is made in Clause 19K: Deployment of Skilled/Semi-Skilled Tradesmen for GCC 2023 Maintenance Works.

Existing Provision	Modified Provision
Clause 19 K **Employment of skilled/ semi-skilled workers** The contractor shall, at all stages of work, deploy skilled/semi-skilled tradesmen who are qualified and possess certificate in particular trade from CPWD Training Institute/Industrial Training Institute/ National Institute of construction Management and Research (NICMAR)/ National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government.	**Clause 19 K** **Deployment of skilled/semi-skilled workers** The Contractor shall, at all stages of work, deploy skilled and semi-skilled tradesmen who are **duly** qualified and **hold** certificates in **their respective** trades, from **the** CPWD Training Institute, **or from awarding bodies recognized under the aegis of National Council for Vocational Education and Training (NCVET), Ministry of Skill Development and Entrepreneurship (MSDE)**, or any institute recognized/certified by the State or Central Government **for this purpose**.
The number of such qualified tradesmen shall not be less than 20% of total skilled/semi-skilled workers required in each trade at any stage of work. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from recognized Institute to Engineer in charge for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Engineer-in- Charge. Failure on the part of contractor to obtain approval of Engineer-in Charge or failure	The number of such qualified tradesmen shall not be less than 20% of the total skilled/semi-skilled workers required in each trade at any stage of work. The Contractor shall submit, **for approval of the Engineer-in-Charge, the** number of man-days required for each trade, **the** proposed scheduling, and the list of qualified tradesmen along with requisite certificates issued by any of the above recognized institutes. **To make up any shortfall below the prescribed minimum limit of 20% of skilled/semi-skilled tradesman, the Contractor shall arrange skilling of**

L. S. Meena
AE (C-II) 18-8-2026

18/8/2026
EE (Contract)

C – Nil, I – Nil, O - Nil **AE (P) / EE**

to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate specified in schedule 'F' per such tradesman per day. Decision of Engineer in Charge as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding. Provided always, that the provisions of this clause, shall not be applicable for works with estimated cost put to tender being less than Rs. 5 crores. For work costing more than Rs. 10 Crores, and upto Rs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 20% of the unskilled workers engaged in the project in co-ordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi-skilled tradesmen. For work costing more than Rs. 50 Crores, the contractor shall arrange on site training as per National Skill Development Corporation (NSDC) norms for at least 30% of the unskilled worker engaged in the project in coordination with the CPWD Regional Training Institute & National Skill Development Corporation (NSDC) for certification at the level of skilled/semi-skilled tradesmen. The cost of such training as stated above shall be born by the Government. The necessary space and workers shall be provided by the contractor and no claim what so ever shall be entertained.	**workers at site under the Recognition of Prior Learning (RPL) program, conducted by awarding bodies recognized under NCVET or any institute recognized/certified by the State or Central Government for this purpose. The cost of such recognition/training, including the infrastructure required at site, shall be borne by the Contractor. The tradesmen undergoing training shall be paid their wages by the contractor for period during the training, and no reimbursement in this respect shall be made by the Government.** This provision shall not be applicable for works with **an** estimated cost put to tender **of** less than ₹5 Crore **in case of construction works and less than ₹50 Lakh in case of maintenance works**. **In the event, the contractor fails to provide the mandatory training to the tradesmen, a penalty of ₹1,000 per day per tradesman falling short of the required 20% target shall be imposed on the Contractor. Decision of Engineer in Charge shall be final and binding in this regard.**

This issues with the approval of DG CPWD.

18.08.26

(चन्द्र पाल)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2026/ Maintenance e-file 9196031 (DFA/ 9388060)

के.लो.नि.वि. तथा लो.नि.वि. दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु (के.लो.नि.वि.वेबसाईट के माध्यम से)।

18/8/2026
EE (Contract)

18-08-2026
L. S. Meena
AE (C-II)

Name of work : Providing and Fixing of MS Grills at Gate No. 3 & 4 Side and Providing Waterproofing Treatment to Chajja Portions at Pratistha Bhawan, Maharashtra, Churchgate, Mumbai-20 during the year 2026-27.

SCHEDULE OF QUANTITY

Sl. No.	Description	Qty	Unit	Rate	Rate in words	Amount
1	**Carriage of Materials**					
1.1	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 30KM for all lifts, complete as per directions of Engineer-in-charge.	32.00	cum	726.15	Rupees Seven Hundred Twenty Six and Fifteen Paise Only	23237.00
2	**WOOD AND P. V. C. WORK**					
2.1	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				Rupees Two Hundred Seventy Three and Sixty Five Paise Only	
2.1.1	Fixed to openings /wooden frames with rawl plugs screws etc.	3200.00	kg	273.65		875680.00
3	**FINISHING**					
3.1	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				Rupees Two Hundred Seventy Seven and Fifty Six Paise Only	
3.1.1	On steel work	270.00	sqm	277.56		74941.00
3.2	Providing and applying Self Curing/Curing Free Ready-Mix Plaster of approved brand and manufacturer on new/old surface of walls/ceiling using factory produced, pre-blended. premixed. formulated self-curing/curing free ready-mix mortar, having minimum compressive strength of 6.0MPa, supplied in dry form requiring only the addition of water at the site before start of application. The material shall have self-curing properties eliminating the need for post- application water (curing). The ambient temperature at the time of application should not exceed 40°Celsius *. It should be applied on hacked/uneven background such as bare brick/CC and Block/RCC surface after preparation of surface etc complete, as per manufacturers specification including applying Portland cement slurry @0 40Kg/Sqm. It shall be applied in two layers, under layer 12mm thick finished with top layer 6mm thick finished in smooth line and level etc. complete. ' In case, ambient temperature exceeds 40`C, manufacturer's specification may be followed.					

C – Nil, I – Nil, O - Nil **AE (P) / EE**

3.2.1	18 mm cement plaster in two coats under layer 12 mm thick finished with a top layer 6 mm thick **(Rate excluding Scaffolding & sundries)**	100.00	sqm	908.58	Rupees Nine Hundred Eight and Fifty Eight Paise Only	90858.00
4	**REPAIRS TO BUILDING**					
4.1	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				Rupees One Thousand Six Hundred Twenty Five and Ninety Three Paise Only	
4.1.1	Float glass panes of nominal thickness 5 mm (weight not less than 12.5kg/sqm)	40.00	sqm	1625.93		65037.00
5	**Dismantling and Demolishing**					
5.1	Dismantling steel **grill** work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	75.00	kg	4.43	Rupees Four and Forty Three Paise Only	332.00
6	**WATER SUPPLY**					
6.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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					
6.1.1	32 mm nominal dia Pipes	200.00	metre	726.15	Rupees Seven Hundred Twenty Six and Fifteen Paise Only	23040.00
6.1.2	40 mm nominal dia Pipes	42.00	metre	807.08	Rupees Eight Hundred Seven and Eight Paise Only	33897.00
7	**ALUMINIUM WORK**					
7.1	Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	100.00	kg	732.91	Rupees Seven Hundred Thirty Two and Ninety One Paise Only	73291.00

8	**WATER PROOFING**					
8.1	Grading roof for water proofing treatment with				Rupees Nine Thousand Two Hundred Thirty Three and Sixty Nine Paise Only	
8.1.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	7.00	sqm	9233.69		64636.00
8.2	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	45.00	kg	20.84	Rupees Twenty and Eighty Four Paise Only	938.00
9	**CONSERVATION OF HERITAGE BUILDINGS**					
9.1	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, at all height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.	690.00	sqm	388.36	Rupees Three Hundred Eighty Eight and Thirty Six Paise Only	267968.00

10	**NEW TECHNOLOGIES AND MATERIALS**					
10.1	Water proofing treatment of RCC sunshade with Zycosil/equivalent water proofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred (total 23 litres)) till it meets the saturation level and testing as per RILEM or by water drops test in which water drops do not absorb but drops remain or rolls.	155.00	sqm	156.67	Rupees One Hundred Fifty Six and Sixty Seven Paise Only	24284.00
11	**MARKET RATE**					
11.1	Providing and applying Heavy Duty Acrylic Elastometric decorative Exterior Waterproof & Protective coating at all height of approved brand and shade composed of high quality acrylic emulsion polymer in approved shade to be applied in following stages with 5 (Five) monsoon period guarantee : Step 1: Cleaning the surface with wire brush, removing all dust, dirt etc., opening cracks with grinder wherever required, washing the surface with clean water and filling the cracks with self penetrating type hair line crackfilling compound of make Asian Crack Seal or equivalent Step 2: Applying 1st Coat @ 1.67 litre / 10 sqm of Elastometric base coat of make Asian Duralife base coat or equivalent with brush / roller Dilution 30% (by volume).					
	Step 3: Applying 2nd Coat @1.91 liter / 10sqm. of Elastometric base coat of make Asian Duralife base coat or equivalent with brush / roller without Dilution 4 hours after 1st coat. Step 4: Applying 2 coats @ 1.79 litre / 10 sqm of Asian UltimaProtek top coat or euivalent @ at interval of 4 - 6 hrs after 4 hrs of previous base coat as per manufactures specification. The material should offer waterproof and protective coating, should be of approved brand and shade composed of high quality acrlyic emulsion polymer as per manufacturer's Specifications all commplete as directed by the Engineer - in - charge.	260.00	kg	262.49	Rupees Two Hundred Sixty Two and Forty Nine Paise Only	68247.00

12	**Credit item**					
12.1	Credit given to contractor for taking away dismantled unserviceable materials received from work.					
12.1.1	Reinforcement bars, GI pipes, barbed wire, CI or SCI pipes, MS tanks, CI flushing cistern, M.S. grills , M.S fittings, false ceiling GI frame etc.	125.00	kg	-38.40	Rupees Thirty Eight and Forty Paise Only	-4800.00
						1681586.00

EXECUTIVE ENGINEER
MUMBAI - I
C. P. W. D., MUMBAI – 20.