GOVERNMENT OF INDIA
OFFICE OF EXECUTIVE ENGINEER
MEGHALAYA CENTRAL DIVISION
CPWD, SHILLONG

NOTICE INVITING TENDER

N.I.T. No.: **64/NIT/MGCD/SH/2026-27 (2nd Call)**

T.S. No. 49/**EE/MgCD/2026-27**

NAME OF WORK: **Providing and fixing wall lining with 12mm thick ply and 1 mm** thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

ESTIMATED COST
(PUT TO TENDER) : **Rs. 8,91,936.00**

EARNEST MONEY : **Rs. 17,839.00**

TIME ALLOWED : **04 (Four) Months**

Percentage Rate Tender (CPWD – 7)

Mode of Measurement: Computerized Measurement Book (CMB)/Electronic Measurement Book (EMB)

Senior Draughtsman(C)
Meghalaya Central Division
CPWD, Shillong-03.

Assistant Engineer- (P)
Meghalaya Central Division
CPWD, Shillong-03.

Executive Engineer (Meghalaya)
Meghalaya Central Division
CPWD, Shillong-03.

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Name of work: Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

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Certified that this N.I.T. amounting to **Rs. 8,91,936.00 (Rupees Eight Lakhs Ninety One Thousand Nine Hundred & Thirty Six Only),** contains **1 to 103** pages only in chronological order.

Senior Draughtsman(C)
Meghalaya Central Division
CPWD, Shillong-03.

Assistant Engineer- (P)
Meghalaya Central Division
CPWD, Shillong-03.

Approved

Executive Engineer (Meghalaya)
Meghalaya Central Division
CPWD, Shillong-03.

Correction. Nil Deletion. Nil *D/Man (C) AE(P) EE*

Executive Engineer, Meghalaya Central Division, Shillong on behalf of President of India invites online Percentage rate tenders from approved and enlisted eligible contractor of appropriate class of CPWD in Buildings & Roads Category for the following work Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

N.I.T. No.: 64/NIT/MGCD/SH/2026-27 (2nd Call)

ESTIMATED COST
(PUT TO TENDER) : **Rs. 8,91,936.00**

EARNEST MONEY : **Rs. 17,839.00**

TIME ALLOWED : **04 (Four) Months**

Last date of online submission of Bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document up-to 15:00 PM on **06.11.2026**
The tender forms and other details can be obtained from the website

https://etender.cpwd.gov.in or www.cpwd.gov.in

Percentage Rate Tender (CPWD – 7)
Mode of Measurement :EMB (Computerized Measurement Book (CMB)/Electronic Measurement Book (EMB)

Senior Draughtsman(C)
Meghalaya Central Division
CPWD, Shillong-03.

Assistant Engineer- (P)
Meghalaya Central Division
CPWD, Shillong-03.

Executive Engineer (Meghalaya)
Meghalaya Central Division
CPWD, Shillong-03.

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

CPWD-6 FOR e- TENDERING

Percentage rate bids are invited on behalf of President of India from approved and eligible building category contractors of CPWD for the Work Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

The enlistment of the contractors should be valid on the last date of submission of bids.
In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

1.1 The work is estimated to **Rs. 8,91,936.00 (Rupees Eight Lakhs Ninety One Thousand Nine Hundred & Thirty Six Only).** This estimate, however, is given merely as a rough guide.

1.1.1 The authority competent to approve NIT for the combined cost belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of bids.
For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicates the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.

~~1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below :-~~

~~Criteria of eligibility for submission of bid documents~~

~~1.2.1 Conditions for Non-CPWD registered contractors only, if bids are also open to non-CPWD Contractors. For works estimated cost upto tendering limit of class -I Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture category).~~

~~(i) Three similar works each of value not less than Rs..... or two similar works each of value not less than Rs..... or one similar work of value not less than Rs..... (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.~~

~~(ii)For EPC tender under Mode- I/II only (Applicable for CPWD enlisted contractors of appropriate class also).~~

~~One completed work costing not less than Rs. .... executed with the structural system technology as proposed by bidder in the letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.1 (i) above or as a separate work.~~

~~**Note:**~~

~~For works costing above tendering limit of class -II Buildings & Roads(erstwhile Composite/ Building/ infrastructure)category contractors but upto tendering limit of Class-I Buildings & Roads(erstwhile Composite/ Building/ infrastructure)category Contractor (However, for Horticulture category, it may be modified as per bidding limit of CPWD class II and CPWD Class I contractors respectively of Horticulture Category) when bids are open to non-CPWD contractors also, then class II contractors of CPWD registered shall also be eligible if they satisfy the eligibility criteria specified in 1.2.1 above.~~

~~1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors, For works estimated to cost above the tendering limit of class -I (Super) Buildings & Roads (erstwhile Composite/ Building/ infrastructure) category Contractor (However for Horticulture category, it may be modified as per bidding limit of CPWD class I contractors of Horticulture Category).~~

~~(i) Three similar works each of value not less than Rs..... or two similar workseach of value not less than Rs.....or one similar work of value not less than Rs.....(all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.~~

~~(ii) For EPC tender under Mode- I/II/III and for all construction works (Applicable for CPWD enlisted and non CPWD contractors)~~

~~One completed work costing not less than Rs ……executed with the structural system technology as proposed by bidder in letter of transmittal during the last 7 years ending last day of the month previous to the one in which tenders are invited. This work can be part of eligible work at 1.2.2 (i) above or as a separate work.~~

~~**Or**~~

~~If the bidder does not have adequate experience of opted technology then the bidder can associate with contractor having requisite experience of executing work in structural system with the opted technology. Bidder has to submit MoU in the prescribed format (Anexure-68 of SOP) with such associate contractor, along with his tender, for structural system in opted technology only. The associated contractor must satisfy the eligibility criteria of having successfully completed one work of opted technology having the cost of structural system not less than 20% of the estimated cost put to tender during the last seven years ending last day of month previous to the one in which tender is invited.~~

~~In case separate cost of structural system of a particular technology is not available in the experience certificate of associated contractor, it will be taken as 30% of completed cost of project/work.~~

~~Associated contractor should not have been debarred from any Ministry or any govt. organization in the last five years.~~

~~The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion to previous day of last day of submission of bid.~~

~~**To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:**~~

~~I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice ofDepartment, then I/we shall be debarred for bidding 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-Chargeshall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee. (Scanned copy to be uploaded at the time of submission of bid)~~

~~1.2.3 When bids are invited from non CPWD contractors and CPWD class II contractors as per provisions of clause 1.2.1 above, it will be mandatory for non CPWD contractors andCPWD class-II contractors to upload the work experience certificate(s) and the affidavit as per the provisions of clause 1.2.2.~~

~~But for such bids, Class-I contractors of CPWD are eligible to submit the bids withoutsubmission of work experience certificate and affidavit. Therefore, CPWD class-Icontractors shall upload two separate letters for experience certificate and affidavit thatthese documents are not required to be submitted by them. Uploading of these two letters is mandatory otherwise system will not clear mandatory fields.~~

2 Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 7/~~8~~**(or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website **www.etender.cpwd.gov.in or www.cpwd.gov.in**Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3 The time allowed for carrying out the work will be **04 (Four) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, inaccordance with the phasing, if any, indicated in the bid documents.

4 **The site shall be made available in phases on a pro-rata basis, considering the scheduled time and the tender cost of the works.**

As this pertains to annual maintenance/ repair/ upgradation/ additional alteration works, no drawings will be provided by this office. However, if the contractor requires any drawings to execute the work, same will be prepared by the contractor and same shall be submitted to the Engineer-in-Charge at least 7 days in advance for approval prior to execution at the site.

~~or~~

~~The site for the work shall be made available in parts as specified below:-~~

~~……~~

~~(ii) The architectural and structural drawing for the work is available~~

~~or~~

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

5 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website **www.etender.cpwd.gov.in or www.cpwd.gov.in**free of cost**.**

6 After submission of the bid the contractor can resubmit revised bid any number of times but before last time and date of submission of bid as notified.

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

8 When Bids are invited in three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.

9 Earnest Money amounting to **Rs. 17,839.00** in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee(for balance amount as prescribed) from any of the Commercial Banks **(drawn in favour of Executive Engineer, MgCD, CPWD, Shillong, Meghalaya** shall be scanned and uploaded on 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(including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e-Bank Guarantee of any Commercial bank having validity for a period of 90 days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

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

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

The bid submitted shall be opened at 15:30 PM on **06.11.2026**

10. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:
    (i) The bidder is found ineligible.
    (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid documents.

(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 the item rate tender or does not quote any percentage above / below on the total amount of the tender or any section/Sub-head in percentage rate tender ,the tender shall be treated as invalid and will not be considered as lowest tenderer.

11 The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12 The description of the work is as follows: Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call) Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil(so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidders shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

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

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both

inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of 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 prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and 75 (seventy five) days from the date of opening of technical bids in case bids are invited in 2 or 3 bid system. Further

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

(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. This Notice Inviting Bid shall form a part of the contract document. The successful 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, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b) Standard C.P.W.D. Form 7 (Attached with this bid document).

20 **For Composite Bids**

20.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

20.1.2 The bid document will include following three components:

Part A:- CPWD-6, CPWD-7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/ modified up to last date of submission of bid.

Part B:- General / specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Schedule A to F for minor component of the work (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

20.1.3 The bidders must associate himself, with agencies as per NIT conditions.

20.1.4 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.

20.1.5 After acceptance of the bid by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component(s).EE of major component will operate Part A and Part B of the agreement.EE/DDH in charge of minor component(s) shall operate Part- C along with Part A of the agreement.

20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.

20.1.7 Security Deposit will be worked out separately for each component corresponding to the Estimated cost of the respective component of works.

20.1.8 The main contractor has to associate agencies for specialized component(s)conforming toeligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-Charge of relevant component(s) with in prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of relevant component(s).

20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-Charge of relevant specialized component(s).

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

20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ DDH in charge of each relevant component as well as to EE-in-charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU/agreement with the new contractor associated by him.

20.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-Charge of the discipline of minor component directly to the main contractor. The CMB shall be maintained independently by Engineer-in-Charge of major and minor components.

20.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.

20.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

21 Jurisdiction of Courts-The Court of the place from where the letter of award of work has been issued shall have the jurisdiction to decide any dispute arising out of or in respect of the contract.

22. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer (Phone no 0364-2223533 e- mail Ideemgcdcpwd@gmail.com /

eec.mgcd-cpwd@gov.in or ERP helpline no.18001803286 or e-mail ld 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.

23. **Price Preference to SC/ST individual contractor for item rate/percentage** rate tender:
Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-
(i) For work(s) upto and equal to an estimated cost of Rs. 2.70 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).
(ii) For work(s) beyond an estimated cost of Rs. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.
The price preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community

23 **CPWD does not have funds of its own and it carries out the works of client departments from their funds (deposit, budgetary, authorization). The CPWD is making payments to the contractors after getting budget / authorization / deposit from various Ministries / Client Departments. The payment to the contractor can be done only on availability of funds for that work from client department and in case of delay in getting funds from Ministry / Client Department, CPWD will not be responsible for delay in payment and no any extra compensation on this account shall be granted apart from specified elsewhere in this document. The contractor has to quote his tender accordingly considering this aspect**

Executive Engineer
MGCD, CPWD, Shillong

Annexure-A

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No. …… Date ……..)

Name of work: Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

1) **NIT No. 64/NIT/MGCD/SH/2026-27 (2nd Call)**

2. **Estimated Cost: Rs. 8,91,936.00**

3. **Amount of Earnest Money Deposit: Rs. 17,839.00**

4. **Last date of submission of bid: 06.11.2026**

(To be filled by EE, at the time of issue of NIT and uploaded along with NIT)**

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)/AAO) Along with office stamp
(# To be filled by EMD receiving EE)

INFORMATION AND ISNTRUCTIONS FOR EE / AE / AAO FOR e-TENDERING

1. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority/EE at the time of issue of NIT shall also fill and upload the prescribed format of receipt of deposition of original EMD along with NIT : -
3. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format upload by tender inviting EE. The Receipt may be issued by the AE(P)/AAO.
4 The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by Email/Fax/telephonically.
5 The original EMD receiving Executive Engineer shall release the EMD after verification from the E-tendering portal website (www.etender.cpwd.gov.in> tender free view>advance search> awarded tenders) that the particular contractor is not L-1 tenderer and work is awarded.
6 The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

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

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, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty five) years.

I/we, 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.

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

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

Signature of notary with seal **Signature of bidder or an authorized person of the firm with stamp.**

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

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

Executive Engineer, Meghalaya Central Division, Shillong on behalf of President of India invites online percentage rate bids from approved and eligible building category contractors of CPWD for the following work(s):

S. No.	NIT No	Name of work & Location	Estimated cost put to bid (Rs.)	Earnest Money	Stipulated Period of Completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date & time of opening of bids
1	2	3	4	5	6	7	8
1	64/NIT/MGCD/SH/2026-27 (2nd Call)	Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya (2nd Call)	**Rs. 8,91,936.00**	**Rs. 17,839.00**	**04 (Four) Months**	Up to **03:00 PM** on **06.11.2026**	Date: **06.11.2026** at **03:30** PM

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 **www.etender.cpwd.gov.in** **or www.cpwd.gov.infree of cost.**
4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-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 (including NIT issuing EE/ AE), CPWD and other documents as specified.
5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of https://etender.cpwd.gov.in.
6. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMsigner on their system as per instructions available on download section ofhttps://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. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue.

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).
However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

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

I. Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.

ii. Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer (i/c NIT issuing EE/AE CPWD)---**Annexure "A"** at page No 11

iii. Enlistment order of the Contractor.

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

lf the bidder has not obtained GST registration **as applicable,** then **affidavit to be furnished on a 'Non-judicial' stamp paper of Rs. 100/-(scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).**
(Note: In affidavit 2nd party column must be mention "EE, MGCD, NIT No: 64/NIT/MGCD/SH/2026-27 (2nd Call).

"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. Copy of PAN card.

vi. **Trading Licence** issued for Non-Tribal Traders/ Contractors/ Suppliers. **(Mandatory documents as per order of Government of Meghalaya vide letter no. DCA. 36/91/323, dated 24th June 2015)**

lf the bidder has not obtained Trading License **as applicable** then **affidavit to be furnished on a 'Non-judicial' stamp paper of Rs. 100/-(scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).**
(Note: In affidavit 2nd party column must be mention "EE, MGCD, NIT No: 64/NIT/MGCD/SH/2026-27 (2nd Call).

"lf work is awarded to me, l/we shall obtain Trading License from the O/o KHADC (Khasi Hills Autonomous District Council), Meghalaya, as applicable, before the commencement of the work, and continue to have a valid license until its completion. If I/we failed to furnish the trade license before commencement of work, I/we agree that President of India or the successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. Further, I/We agree that in case of forfeiture of performance guarantee as aforesaid, I/We shall be debarred for participation in the e-tendering process of the work."

vii. **Contact details – Email ID and Telephone Number.**

viii. **Undertaking on structure stability and soundness as per prescribed form 'F' in page no. 12 (Note: In affidavit 2nd party column must be mention "EE, MGCD, NIT No: 64/NIT/MGCD/SH/2026-27 (2nd Call).**

ix. **ERP Training Certificate issued through LMS (Learning Management System) in ERP to the Contractor or his authorised representatives.**

Executive Engineer
Meghalaya Central Division
CPWD, Shillong

CPWD – 7

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

(A) Tender for the work of:-
Name of Work Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

To be uploaded by 15:00 hours **29.10.2026** to/upload at www.etender.cpwd.gov.in

(i) To be opened in presence of tenderers who may be present at 15:30 hours on **06.11.2026** the office of Executive Engineer, MgCD, CPWD, Shillong.

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the bid 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 respects with the specifications, designs, drawings 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 respects in accordance with, such conditions so far as applicable.

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

I/We 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.

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 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 the department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire Earnest Money Deposit/Performance Guarantee.

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

Dated — Signature of Contractor

Witness: — Postal Address

Address:

Occupation:

ACCEPTANCE

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

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

(a)

(b)

(c)

For & on behalf of the President of India.

Signatures .....

Dated: — Designation .....

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

On non-judicial stamp paper of minimum Rs. 100

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

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

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

****OR****

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

2. We, …….. (indicate the name of the bank) ……., (herein after referred to as "the bank"), hereby undertake to pay to the Government an amount not exceeding Rs. …….. (Rupees …….. only) on demand by the Government within 10 days of the demand.
3. We, …….. (indicate the name of the bank) ……., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. …….. (Rupees ……..only).
4. We, …….. (indicate the name of the bank) ……., further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We, …….. (indicate the name of the Bank) ……., further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

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

Date ……..

Witnesses:

1. Signature
2. Name and address

Authorized Signatory
Name
Designation
Staff code no.

1. Signature ……..
   Name and address

Bank Seal

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.
**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

Part - 'B'

GCC-2023

SCHEDULES

SCHEDULE 'A'

Schedule of quantities	:	from **Page No. 103**

SCHEDULE 'D'

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

SCHEDULE 'E'

Reference to General Condition of contract : (GCC EPC Projects 2022/ GCC Maintenance Works 2023/ GCC Construction Works 2023)	:	Applicable GCC is **General Conditions of Contract 2023(Maintenance Work) CPWD-7/8**with up-to date corrections slip issued till last date of submission of bid.
Name of work	:	Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)
Estimated cost of work	:	**Rs. 8,91,936.00**
1) Earnest money	:	**Rs. 17,839.00**
2) 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.**
3) Security Deposit	:	2.5 % of tendered value

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer Inviting Tender	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	:	See below

Definitions:

2(v)	Engineer-in-Charge	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
2(viii)	Accepting Authority	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	:	15% (7.5% Contractor profit +7.5% Overhead)

2(xi)	Standard scheduled of rates	:	DSR 2023, with upto date cost Index, correction slip and Market rate
2(xii)	Department	:	Central Public Works Department
8(ii)	Standard CPWD contract Form GCC 2023 (Maintenance), C.P.W.D Form **7/~~8~~as** modified and corrected up to last date of submission of bid.	:	Form 7

Clause 1

(i)	Time allowed for submission of Performance Guarantee, Program Chart (Time and Progress) and applicable Labour Licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue letter of acceptance.	:	7 Days
(ii)	Maximum allowable extension with late fee @ 0.10% Per day of Performance Guarantee amount beyond the period provided in (i) above	:	3 Days

Clause 2

Authority for fixing compensation under clause 2	:	Chief Engineer, CPWD, Shillong or successor thereof

Clause 2 A

Whether clause 2 A shall be applicable ~~Yes~~/ No

Clause 5

Number of days from the date of issue of letter of acceptance of work for reckoning date of start	:	**10 Days**

Mile stone(s) as per table given below:- Not Applicable

Sl No	Description of milestones (Physical)	Time allowed in days (From date of start)	Amount to be withheld in case of non-achievement of mile stones
NIL			

Time allowed for execution of work **04 (Four) Months**

Authority to decide:

(i)	Authority to convey the decision of shifting of milestone and extension of time	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
(ii)	Authority to decide rescheduling of milestone and extension of time	:	Chief Engineer (Shillong), CPWD, Shillongor successor thereof
(iii)	Shifting of date of start in case of delay in handing over of site.	:	Chief Engineer (Shillong), CPWD, Shillongor successor thereof

Proforma of schedule clause -5 schedule of handing over of site.

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance	Site will be handed	Immediate

		over partly	
Part B	Portion with encumbrances	*	*
Part C	Portions dependent on work of other agencies.	*	*

Applicable clause 5/5A	**:**	**Clause 5**

Clause 6

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

(i) Mode of measurement: CMB.

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such Payment for being eligible for interim payment.	:	Rs. 2.25 Lakhs

Clause 7A & 7B

Clause-7A	:	Yes
Clause-7B		Yes

Clause 10A

List of testing equipment's to be provided by the contractor at site lab: As **per requirement at site**

Clause 10-B (ii)

Whether clause 10-B (ii) shall be applicable	:	No

Clause 10 C **Applicable**

Component of labour expressed as percentage of value of work	:	25%

Clause 10 CC **Not Applicable**

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	:	12 months
Schedule of component of other Materials, Labour etc. for price escalation. Component of civil (except cement, structural steel, reinforcement bars POL) /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) - (except cement, structural steel, reinforcement bars POL + Component of Labour)		

Clause 11

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

Clause 12

Type of Work **Maintenance Work**

Authority to decide deviation.

Sl.No	Description	Authority
i.	Upto 1.25 times of contract amount with (Recorded reasons).	Engineer-in-Charge
ii.	Beyond 1.25 times upto 1.50 times of contract amount with (Recorded	CE (Shillong)

	reasons).	
12.2 & 12.3	Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work.	All the Deviated Quantities shall be paid at agreement rates.
12.5	(i) Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub heads in DSR and related items)	No Limit
	(ii) Deviation limit for items in earth work subhead of DSR or related items.	No Limit

Clause 16

Competent Authority for deciding reduced rates	:	Chief Engineer CPWD, Shillongor successor thereof

Clause 18

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

Clause 19

Clause 19 C	Authority to decide penalty for each default	:	Executive Engineer, Meghalaya Central Division, Shillongor successor thereof
Clause 19 D	Authority to decide penalty for each default	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
Clause 19 G	Authority to decide penalty for each default	:	Executive Engineer, Meghalaya Central Division, Shillong or successor thereof
Clause 19 K	Authority to decide penalty for each default	:	Executive Engineer, Meghalaya Central Division,Shillong or successor thereof

Clause 25

1.	Conciliator	ADG (RG), Guwahati
2.	Arbitrator Appointing Authority –	Chief Engineer, CPWD, Shillong-03
3.	Place of Arbitration	Shillong

Clause 32

Requirement of Technical Representative (s) & recovery Rate

~~Sl No.~~	~~Cost of Work (Rs. In Crores)~~	~~Requirement of Technical Qualification~~	~~Number (of Major + Minor component~~	~~Minimum experience (Years)~~	~~Designation Technical Staff~~	~~Rate at which recovery shall be made from the contract in the event of not fulfilling~~
~~1~~	~~More than 15Lacs and to 1.5 Crores~~	~~Graduate Engineer or Diploma Engineer~~	~~1 of major component~~	~~2 or 5 respectively~~	~~Project Manager cum planning/quality/Site/billing Engineer~~	~~Rs. 15,000/- per month~~

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

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

Clause 38

(i) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2021 modified / corrected up to date printed by CPWD.

(ii) Variations permissible on theoretical quantities.

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

CENTRAL PUBLIC WORKS DEPARTMENT

OFFICE MEMORANDUM

No. DG/ SE/CM/Misc/77

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI DATED: 04.05.2018

Subject:- CIC Order dated 05.01.2018 regarding facilitation of the free flow of information relating to development of public infrastructure.

The Works Division, Ministry of Housing and Urban Affairs vide O.M. No. 28012/12/2017-W-3 dated 20.02.2018 has forwarded copy of CIC Order dated 05.01.2018 wherein the Information Commissioner has observed, *"considering the larger public interest and facilitation of the free flow of information relating to development of public infrastructure; the Commission in exercise of powers vested under section 19(8)(a)(iv) of the RTI Act directs the respondent department as well as CPWD, MoUD, GoI to incorporate adequate changes in its information/ record retention practices as regards the itemized material procurement bills submitted by the contractors."* Further, observation is - *"It is clarified that the present directions shall be applicable prospectively."*

Accordingly, henceforth, for greater transparency in functioning of Government Department, in each case, it shall be mandatory for the field staff of PWD (GNCTD) & CPWD to retain the authenticated copies of itemized bills of the materials which has to be entered in the M.A.S. Register viz Steel, Cement, Bitumen, Paint, Water Proofing materials or any other item suggested by the Technical Sanction authority. This is irrespective of existence of any terms & condition specified in contract/agreement. Authenticated copies must be obtained by PWD (GNCTD)/CPWD authorities from the agencies/contractors before settling payments.

This issues with approval of DG, CPWD.

Encl: OM No. 28012/12/2017-W-3 dated 20.02.2018

Issued from file no. :-
CSQ/CM/18(2)/2018 (e-file No. 9038461)

04/5/18

(Ashok Kumar Gupta)
Superintending Engineer (C&M)

04/05/18

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 08.12.2023

Subject: Modifications in Conditions of Contract, Clause 5 and schedule F in clause 5 of GCC 2023 Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance works.

Existing Provision	Modified Provision
CONDITIONS OF CONTRACT **Definitions** 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (xvii) (xviii) No provision	**CONDITIONS OF CONTRACT** **Definitions** 2. No change:- (i) to (xvii) No Change **(xviii) Concurrent delay: Concurrent delays are those delays occurring in the work concurrently in any combination or combination of all delay fall under different sub clauses 5.2, 5.3 and 5.5.**
Clause 5 Time and Extension for Delay The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited by the Engineer in Charge and shall be absolutely at the disposal of the Government without prejudice to any other right or remedyavailable in law.	**Clause 5 Time and Extension for Delay** The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid **and such default continues even after time period specified in the notice in writing by the Engineer-in-Charge then** the performance guarantee shall be forfeited by the Engineer-in-Charge and shall be absolutely at the disposal of the Government without prejudice to

R.K. JAIN
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

	any other right or remedy available in law. **The contract shall stand determined when such decision of forfeiture of the performance guarantee is issued to the contractor.**
5.1 As soon as possible but within 7 (seven) working days of award of work and in consideration of	5.1 **The contractor** as soon as possible but within 7 (seven) days of **issue of letter of** award of work **shall submit a time and progress chart to the Engineer-in-Charge. Such chart shall be made in due** consideration of
a. Schedule of handing over of site asspecified in the Schedule 'F' b. Schedule of issue of designs as specified in the Schedule 'F',	a. Schedule of handing over of site as specified in the Schedule 'F' b. Schedule of issue of design**(s) and drawing(s)** as specified in the Schedule 'F',
i. the Contractor shall submit a Time and Progress Chart for each mile stone. The Engineer-in-Charge may within 7 (seven) working days thereafter, if required modify, and communicate the program approved to the contractor failing which the program submitted by the contractor shall be deemed to be approved by the Engineer-in- Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents.	i. The Contractor shall submit a Time and Progress Chart for each milestone. The Engineer-in-Charge may within 7 (seven) days **of receipt of such chart, make modifications thereafter,** if **any,** and communicate the approved **chart** to the contractor, failing which the **chart** submitted by the contractor shall be deemed to be approved by the Engineer-in- Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents.
ii. In case of non-submission of construction programme by the contractor, the program approved by the Engineer-in-Charge shall be deemed to be final.	ii. In case of non-submission of **time and progress chart** by the contractor, the **chart prepared by the** Engineer-in- Charge shall be deemed to be final.

21/12/2023
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Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.	iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.
iv. The contractor shall submit the Time and Progress Chart and progress report using the mutually agreed software or in other format decided by Engineer-in-Charge for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery as per Schedule F to be decided by the NIT approving authority shall be made on per week or part basis in case of delay in submission of the monthly progress report	**iv.** The contractor shall submit the Time and Progress Chart **containing upto date progress of work** using the mutually agreed software or in **the** format decided by Engineer-in-Charge. **Such chart shall be submitted by the contractor on or before 5th day of each month failing which a recovery as mentioned in Schedule 'F' shall be made at the earliest from running account bill without any notice in this regard.**
v. **No provision**	**v. While recording the hindrances in the progress of the work, due consideration should be given to the cause of hindrance. The hindrances shall be segregated in following categories :** **a) delays due to reasons beyond the control of both parties (sub-clause 5.2)** **b) delays attributable to the Department and concurrent delays (sub-clause 5.3).** c) **delays solely attributable to the contractor (sub-clause 5.5)**
5.2 If the work(s) be delayed by:- i. force majeure, or ii. abnormally bad weather, or iii. serious loss or damage by fire, or iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or v. delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in	**5.2 Delays due to reasons beyond the control of both parties:** If the work(s) delayed by:- i. force majeure, or ii. abnormally bad weather, or iii. serious loss or damage by fire, or iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or v. delay on the part of other contractors or tradesmen engaged by Engineer-in- Charge in

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executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control	executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.
Then upon the happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.	Then upon the happening of any such event causing delay, the contractor shall **within 03 (three) days** give **online** notice thereof **through ERP Portal** to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the work(s). **The contractor shall have no claim on account of any hindrance in case notice(s) are not given by the contractor through ERP portal.** **The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s)** **In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency.** **The decision of Engineer-in-Charge with regard to nature of event causing delay, its start date and end date, as has been finalized during acknowledgement of notice, shall be final and binding.** **The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice.** **In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five)**

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	days of occurrence of hindrance on ERP portal provided further that not recording of events causing delay by the Engineer-in-Charge does not ipso facto entitle the contractor for any hindrance.
The contractor shall have no claim of damages for extension of time granted or rescheduling of milestone/s for events listed in sub clause 5.2.	**No change.**
5.3 In case the work is hindered in the opinion of the contractor, by the Department or for any reason / event, for which the Department is responsible, the authority as indicated in Schedule 'F' shall, if justified, give a fair and reasonable extension of time and reschedule the mile stones for completion of work.	**5.3 Delays attributable to the department** In case the work is hindered, in the opinion of the contractor, by the Department or for any reason / event, for which the Department is responsible, **then upon the happening of such event causing delay, the Contractor shall within 3 (three) days give online notice there of through ERP Portal to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the work.** **The contractor shall not be entitled for any hindrance in case notice(s) are not given by the contractor through ERP portal.** **The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s).** **In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency.** **The decision of Engineer-in-Charge with regard to nature of event causing delay, its start date and end date, as has been finalized during acknowledgement of notice, shall be final and binding.**

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	The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice. **In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five) days of occurrence of hindrance on ERP portal provided further that not recording of events causing delay by the Engineer-in-Charge does not ipso facto entitle the contractor for any hindrance.**
Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delays under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2 the contractor shall be entitled to only extension of time and no damages.	Such extension of time or rescheduling of milestone**(s)** shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delay(s) under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2, the contractor shall be entitled to only extension of time and **shall have** no **claim of** damages.
5.4 Request for rescheduling of Mile stones or extension of time, to be eligible forconsideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed forms i.e. Form of application by the contractor for seeking rescheduling of milestones or Form of application by the contractor for seeking extension of time (Appendix - XVI) respectively to the authority as indicated in Schedule 'F'. The Contractor shall indicate in such a request the period by which rescheduling of milestone/s or extension of time is desired.	5.4 **Rescheduling of milestone(s) and 'extended date of completion'** The request for rescheduling of Milestone(s) **and** extension of time, shall be made by the Contractor **through ERP Portal once in a month on the basis of hindrances accepted by Engineer-in-Charge under sub-clause 5.2 and sub-clause 5.3.** The Contractor shall indicate in such a request **number of days** by which rescheduling of milestone**(s) and**/or extension of time is desired.
With every request for rescheduling of milestones, or if at any time the actual progress of work falls behind the approved programme by more than 10% of the stipulated period of completion of contract, the contractor shall produce a revised programme without causing any delay in execution	**Deleted**

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of the work. A recovery as specified in Schedule 'F' shall be made on per day basis in case of delay in submission of the revised programme.	
No provision	**The authority as indicated in Schedule 'F', after examining the request, shall give a fair and reasonable extension of time for completion of work and simultaneously reschedule the milestone(s), if required so. The authority shall consider all the hindrances accepted as per sub-clauses 5.2, 5.3 and 5.5.** **The authority shall decide rescheduling of milestone(s) and extension of time within 21 (Twenty One) days of the request submitted by the contractor through ERP portal. In event of no request by the contractor for rescheduling of milestone(s) and extension of time, the authority as indicated in Schedule F, after affording opportunity to the contractor, may give fair and reasonable extension of time based on hindrances accepted by Engineer-in-Charge and reschedule the milestone(s) once in a month. Such justified extension of time shall determine the 'extended date' of completion of work.**
5.4.1 In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time for completion of work or reschedule the mile stones.	5.4.1 **Provided that the end date of any event causing delay shall not fall beyond the date of request for extension of time or rescheduling of milestone(s) by the contractor. In case end date of event falls beyond the date of submission of said request, then period for extension up to date of application shall be considered in the said request for events eligible for consideration and remaining period shall be applied in subsequent request of extension of time or rescheduling of milestone(s).**
E-in-C shall finalize/ reschedule a particular mile stone before taking an	**Engineer-in-Charge** shall finalize/ reschedule a particular mile stone

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(EE (Contact)

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action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application by the contractor for extension of time E-in-C after affording opportunity to the contractor, may give, supported with a programme (as specified under 5.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.	before taking an action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 **(twenty one)** days of the date of receipt of such request from the Contractor **on ERP Portal.**
5.5 In case the work is delayed by any reasons, in the opinion of the Engineer- in-Charge, by the contractor for reasons beyond the events mentioned in clause 5.2 or clause 5.3 or clause 5.4 and beyond the justified extended date, without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The contractor shall be liable for levy of compensation for delay for such extension of time.	5.5 **Delays attributable solely to the contractor** **In case the work is delayed by reasons solely attributable to the contractor, then Engineer-in-Charge or his representative(s) may record the event causing delay within 05 (five) days of occurrence of delay in the ERP portal. Contractor shall take the notice of the same for necessary action. He may submit his version, if any within 05 (Five) days. Engineer-in-Charge, considering the version of the contractor, will take decision on such recording of the event and the decision of the Engineer-in-Charge shall be final and binding.** **The contractor shall be liable for levy of compensation for such delays (i.e. for the period beyond the justified extended date of completion as determined in sub clause 5.4 and this default of contractor shall be dealt in conjunction with clause 2 of the contract.** **In case the work is delayed, due to hindrances attributable solely to the contractor, beyond the justified extended date (as stated in sub clause 5.4), the authority indicated in Schedule 'F', without prejudice to provisions to take action under Clause 3, may grant extension of**

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	time required for completion of work without rescheduling of milestone(s) and extend the date of completion.
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) **SCHEDULE 'F'** **Clause 5** **Authority to decide:**	**PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)** **SCHEDULE 'F'** **Clause 5**
i. Extension of time ..... (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)	i. **Authority to convey the decision of shifting of milestone and** extension of time ..... (Engineer-in-Charge or Engineer-in-Charge of Major Component in case of Composite Contracts, as the case may be)
ii. Rescheduling of mile stones ..... (Superintending Engineer/ PM/CPM in Charge or Superintending Engineer/ PM/CPM in Charge of Major Component in case of Composite Contracts, as the case may be)	ii. **Authority to decide rescheduling of milestone and** extension of time ..... (SE/**SE&PD/ CE/ CE&ED).**
iii. Shifting of date of start in case of delay in handing over of site ..... (Superintending Engineer/ PM/CPM in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)	iii. Shifting of date of start in case of delay in handing over of site ..... (SE/**SE&PD/CE/ CE&ED).**

This OM is applicable for all NITs uploaded after date of issue of this OM.

This is issued with the approval of DG CPWD.

08.12.2023

(वी. पी.साहू)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file 9161772

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)।

08.12.2023

R.K. JAIN

(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/03

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 18.12.2023

Subject: Modifications in Conditions of Contract, Clause 12 and Schedule E and F of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 Maintenance Works:

Existing provision	Modified provision
CONDITIONS OF CONTRACT **Definitions** 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (x)(a)	CONDITIONS OF CONTRACT **Definitions** 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (x) (a) **No change**
(x) (b) Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued upto the date of receipt of the tender.	(x) (b) Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued **previous day of the last date of submission of the tender.**
(xi) to (xv)	**(xi) to (xv) No change**
(xvi) No provision	**(xvi) Extra items** are those items which are not available in the contract. **a. Non Schedule Extra Items** are those items which are not available in the Standard Schedule of Rates specified in Schedule F. **b. Scheduled Extra Items** are those items which are available in the Standard Schedule of Rates specified in Schedule F.
(xvii) No provision	**(xvii) Completion cost: The completion cost includes gross amount of work done, amount of extra item(s) and deviation(s) and escalation amount admissible as per agreement etc.**

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(EE (Contact)

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(xviii) No provision	**(xviii) Maintenance work:** Maintenance work(s) are those work(s) which includes upgradation, aesthetic improvement, special repair, addition/ alteration, annual repair, comprehensive maintenance work etc.
Clause 12 Deviations/ Variations Extent and Pricing The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for other reasons and the contractor shall be bound to carry out the works in accordance with any instruction given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.	**Clause 12 Deviations/ Variations Extent and Pricing** **No change**
The completion cost of any agreement for maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration should not exceed two times the contract amount. Deviation upto 1.25 times of contract amount shall be approved by Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times upto 1.50 times of contract amount shall be approved by SE/CE (as applicable) with recorded reasons. In exceptional case, ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times upto 2.0	**The completion cost shall, in no case, exceed 1.5 times the contract amount.** **Contractor will devise a system to keep a watch on quantum of work taken up vis-a-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid.**

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(EE (Contact)

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times of contract amount with recorded reasons and take suitable corrective action.	**Engineer-in-Charge will verify and confirm the alerts before assigning deviation(s) and / or extra item(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account.**
12.1 The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows : (i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus (ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge	12.1 The time for completion of the works shall, in the event of any deviation**(s) and extra item(s)** resulting in additional cost over the **contract amount will** be extended, if requested by the contractor, as follows : (i) In the proportion **to** the additional cost of work, bears to the original **contract amount** plus (ii) 25% of the time calculated in (i) above.
12.2 Deviation, Extra Items and Pricing **Extra items are those which are not available in the contract.** For percentage rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule F, shall be paid as per the said schedule rate plus cost index (considered in the estimated cost put to tender) plus/minus percentage above/ below quoted on estimated cost put to tender. For item rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule F, shall be paid as per the said schedule rate plus cost index (considered in the	**12.2 Deviation, Extra Items and Pricing** **Deleted** **Deleted**

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estimated cost put to tender) plus/minus percentage above/ below worked out on the basis of overall contract amount and estimated cost of the work put to tender.	
In the case of extra item(s) which are not available in the standard schedule of rates specified in Schedule F, the contractor may within fifteen days of the receipt of order or occurrence of the item(s), submit claim for market rate(s), supported with proper analysis of rate and manufacturer's specification for the work, invoices, vouchers, etc. (as applicable),	**(a) Non Schedule Extra Item(s)** - The contractor, **shall** within fifteen days of the receipt of order **to execute extra item(s)** or occurrence of the item(s), submit **analysis of rate of extra item(s) based on the rate(s) of material(s) available in basic rate of Standard Schedule of Rate mentioned in schedule F and rate(s) of the material(s) based on tax paid bills which are not available in standard Schedule of Rate mentioned in schedule F. For this purpose, the basic rate of material(s) available in Schedule of Rate(s) mentioned in Schedule F will be enhanced or reduced by the applicable cost index, as the case may be.** **The rate(s) of the material(s) which are not available in Standard Schedule of Rates, mentioned in Schedule F, shall be based on, tax paid bill(s) for the material(s) as defined in** manufacturer's specification. **Material rate(s) from Standard Schedules of Rate(s) shall be given priority in the analysis of rate(s).** **The rate of extra item will be** **i. Analyzed rate(s) as above multiplied by (Contract amount divided by estimated cost put to tender), if tendered amount is below the estimated amount put to tender.** **ii. Analyzed rate, if the Contract amount is above the estimated amount put to tender.**
failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.	Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.

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(EE (Contact)

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Where the contractor submits claim for market rate(s) in the manner prescribed above, the Engineer-in-Charge shall, within 45 days of the receipt of the claims, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.	Where the contractor submits **analysis of rate(s) of extra item(s)** in the manner prescribed above, the Engineer-in-Charge shall, within **60** days of the receipt of the **analysis of rate**, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rate(s) **of extra item(s)**. The contractor shall be paid in accordance with the rate(s) so determined. **However provisional rate(s) on the basis of invoice will be allowed by the Engineer-in-Charge. Invoice shall be accepted only for material(s) not available in the Standard Schedule of Rates mentioned in Schedule F.** **The contractor while submitting the tax paid bill of purchased material(s) shall ensure that rate(s) of the materials are reasonable and lowest available in the market. If Engineer-in-Charge feels rates in tax paid bill(s) submitted by contractor are not reasonable then he can modify the rate(s) after giving a notice to the contractor. Engineer-in-Charge is the final authority to decide applicable rate(s) of material(s).**
(b) No Provision	(b) Scheduled Extra Items i. **For percentage rate tender, the extra item(s) shall be paid as per the Standard Schedule of Rates, mentioned in Schedule F, enhanced or reduced by the applicable cost index and further enhanced or reduced by percentage above/ below quoted by the contractor on estimated cost put to tender.** ii. **For item rate tender, the extra item(s) shall be paid as per the said schedule rate enhanced or reduced by the applicable cost index and multiplied by (Contract amount divided by estimated cost put to tender).**

R.K. JAIN
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

The rate(s) of extra items so determined by the Engineer-in-Charge shall be final and binding on the contractor, and shall not be arbitrable.	The rate(s) of extra item(s) so determined by the Engineer-in-Charge shall be final and binding on the contractor.
12.3 Deviation, Deviated Quantities, Pricing **All the deviated quantities shall be paid at agreement rates**	**12.3 No change**
12.4 The case of any operation incidental to or necessarily has to be in contemplation of tenderer while quoting filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.	**12.4 No Change**
12.5 No provision	**12.5 Cost index** **Latest available Cost index at the time of beginning of execution of extra item(s) shall be used in sub-clauses 12.2 (a) and 12.2 (b) for calculation of rate(s) of extra item(s).**
12.6 No provision	**12.6 Labour rates** **Labour rates will be based on latest available circulars issued by Central Govt. or State Govt. whichever are higher as well as applicable for the work.**
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) **SCHEDULE 'E'** Reference to General Conditions of Contract	**PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)** **SCHEDULE 'E'** Reference to General Conditions of Contract : **(GCC EPC Projects 2022/ GCC Maintenance Works 2023/ GCC Construction Works 2023)**

R.K. JAIN 4.2.26
(EE (Contact)

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	Applicable GCC is ..... as modified & corrected upto previous day of the last date of submission of the tender. **(NIT approving authority to mention one GCC in the space provided above)**
SCHEDULE 'F' GENERAL RULES & DIRECTIONS: Officer inviting tender ..... Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. See below	**SCHEDULE 'F'** GENERAL RULES & DIRECTIONS: **No Change** **Deleted**
9 (ii) Standard CPWD contract Form GCC 2020, CPWD Form 7/ 8 as modified & corrected upto	9(ii) Standard CPWD contract Form **General Conditions of Contract Maintenance Works 2023,** CPWD Form 7/ 8 as modified & corrected upto **previous day of the last date of submission of the tender.**
Clause 12 12.2 Deviation Limit beyond which clauses 12.2 shall apply for building work	**Clause 12** **Deleted**

This issues with the approval of DG CPWD.

18.12.2023
(वी. पी. साहू)
अधीक्षण अभियंता(सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9163323

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

R.K. JAIN 4.1.24
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/04

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 08.02.2024**

Subject: Modifications in Conditions of Contract and Clause 19 of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance Works:

Existing provision	Modified provision
CONDITIONS OF CONTRACT **Definitions** 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-	**CONDITIONS OF CONTRACT** **Definitions** 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-
(i) to (xix)	**(i) to (xix) No change**
(xx) No provision	**(xx) Adolescent Person: A person who has completed his/her fourteenth year of age but has not completed his eighteenth year.**
(xxi) No provision	**(xxi) Hazardous works: Hazardous process/works are the works as defined in the clause (cb) of the Factory Act, 1948.**
Clause 19 Labour Laws to be complied by the Contractor	**Clause 19 Labour Laws to be complied by the Contractor**
The contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971.	**No change**
The contractor shall also obtain a valid licence under the said Act before the commencement of the work, and continue to have a valid licence until its completion.	**No change**
The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.	**No change**

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986.	The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986, **amended by Amendment Act No. 35 of 2016 and thereafter time to time.**
The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.	**No change**
Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.	**No change**
Clause 19A No labour below the age of eighteen years shall be employed on the work.	Clause 19A No **person** below the age of **fourteen** years shall be employed on the work. **However Adolescent Persons can be employed on non-hazardous works/process.**
C.P.W.D. Contractor's Labour Regulations **2. DEFINITIONS** i. (c) Who is an out worker, that is to say, person to whom any article or materials are ..... premises under the control and management of the principal employer. No person below the age of 18 years shall be employed to act as a workman.	**C.P.W.D. Contractor's Labour Regulations** **2. DEFINITIONS** i. (c) No change. No person below the age of **fourteen** years shall be employed **on the work. However Adolescent Persons can be employed on non-hazardous works/process.**

This issues with the approval of DG CPWD.

08.12.2024
(वी. पी.साहू)
अधीक्षण अभियंता(सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2024/Maintenance e-file 9169019
केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/05

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD 01.03.2024

NIRMAN BHAWAN, NEW DELHI Dated: ~~20.02.2024~~

Subject: Modifications in Conditions of Contract, Clause 19 and 20 of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance Works:

Existing provision	Modified provision
CONDITIONS OF CONTRACT **Definitions** 9. **Signing of Contract:-** The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:- (i) to (iii) No Provision	CONDITIONS OF CONTRACT **Definitions** 9. **Signing of Contract:-** The successful tenderer, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:- (i) to (iii) No change **In the event of successful tenderer being a firm/company, then the agreement shall be signed by all the partners or directors thereof individually. In the event of the absence of any partner/director, it shall be signed on his behalf by a person holding a power of attorney (duly notarized by notary public or board resolution in case of company) authorizing him to do so.**
Clause 19 B Payment of Wages (i) The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.	**Clause 19 B Payment of Wages** **(i)** The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than fair wages as defined in the C.P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971 **and Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii) amended time to time.**

R.K. JAIN
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

	Thus higher of the wages either notified by Govt. of India, Ministry of Labour and/or that notified by the local administration of the State Govt. both relevant to the place of work and the period of reckoning shall be paid by the contractor to the labourer .
(v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.	**(v)** The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, **Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii) and** the modifications thereof or any other laws relating thereto and the rules made there under from time to time.
Clause 20 Minimum Wages Act to be Complied With The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.	**Clause 20 Minimum Wages Act to be Complied With** The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, **Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii)** amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.

This issues with the approval of DG CPWD.

01.03.2024
(V.P. Sahu)
Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023 e-file no. 9163323

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)

29/02/2024
R.K. JAIN
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/06
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 01.03.2024

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

The following amendments are made in the GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7 Payment on intermediate certificate to be regarded as Advances No payment shall be made for work, estimated to cost Rs. Five lac or less till after the whole of the work shall have been completed and certificate of completion given. ..... calendar month of the measurements recorded upto previous month as per clause 6.	**Clause 7 Payment on intermediate certificate to be regarded as Advances** No change.
The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved.	The contractor shall not be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved.
No provision	**However, to expedite the progress of work, Engineer-in-Charge, on the request of contractor, may make interim payment(s) even before the net payment limit specified in schedule 'F' is achieved. In such case(s) no interest / compensation shall be recoverable from contractor.** **Such payment by Engineer-in-Charge shall not be construed as waiver of limit specified in schedule 'F' for subsequent interim payment(s).**

This issues with the approval of DG CPWD.

01.03.2024
(V.P. Sahu)
Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file no. 9135972

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)

01/03/2024
R.K. JAIN
(EE (Contact

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/07

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 05.03.2024

Subject: Modifications in Clause 19 of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance Works.

Existing provision	Modified provision
Clause 19 Labour Laws to be complied by the Contractor	**Clause 19 Labour Laws to be complied by the Contractor**
The contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971.	**No change**
The contractor shall also obtain a valid licence under the said Act before the commencement of the work, and continue to have a valid licence until its completion.	**No change**
The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.	**No change**
The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986, amended by Amendment Act No. 35 of 2016 and thereafter time to time.	**No change.**
The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.	**No change**

05/03/2024
R.K. JAIN
(EE (Contact)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

No provision	**The contractor shall also comply with the provisions of Sexual Harassment of Women at Workplace (Prevention Prohibition and Redressal) Act, 2013 and amendment thereafter time to time.**
Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.	Any failure to fulfil these requirements shall attract the penal provisions of **the relevant act and in** this contract
Clause 19 M **No Provision**	**Clause 19 M Sexual Harassment of Women at Workplace** **The contractor shall comply with all provision(s) and guideline(s) of Sexual Harassment of Women at Workplace (Prevention Prohibition and Redressal) Act, 2013 and amendment thereafter time to time or any other rules framed under any labour law affecting women worker(s).**

This issues with the approval of DG CPWD.

05.03.2024
(V.P. Sahu)
Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023 e-file no. 9163323

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)

07/03/2024
R.K. JAIN
(EE (Contact)

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/08
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD
NIRMAN BHAWAN, NEW DELHI **Dated:** 03-06-2024

Subject: Modifications in Clause 36 of GCC 2023 for Maintenance Works

The following amendment is made in the Clause 36 of GCC 2023 for Maintenance Works.

Existing provision	Modified provision
Clause 36 If relative working in CPWD then the contractor not allowed to tender The contractor shall not be *permitted* to tender for works in the CPWD circle *(Division in case of contractors of Horticulture/Nursery categories)* responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the *Superintending Engineer* and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working *with him in any capacity* or are subsequently employed by him and who are near relatives to any *Gazetted* Officer in the *C.P.W.D. or in the Ministry of Housing and Urban Affairs*. Any breach of this condition by the contractor would render him liable to be *removed from the approved list of contractors of this Department. If however the contractor is registered in any other department, he shall be debarred from tendering in CPWD for any breach of this condition*.	**Clause 36 If relative working in CPWD then the contractor is not allowed to participate in the tendering process** The contractor **(enlisted or non-enlisted in CPWD)** shall not be **allowed** to **participate in the** tender for work(s) in the CPWD **Zone**/circle **/Division/Sub-Division** responsible for award and**/or** execution of contract**(s)** in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the **Chief Engineer** and Junior Engineer (both inclusive). 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 **CPWD**. Any breach of this condition by the contractor would render him liable to be **debarred for a period upto two years from tendering in CPWD as decided by the accepting authority mentioned in Schedule F and his decision will be excepted from clause 25.**
NOTE: By the term "near relatives" is meant wife, husband, parents and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.	No change.

This issues with the approval of DG, CPWD.

03.06.2024
(V.P. Sahu)
Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance **e-file 9135972**

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

17/05/2024
R.K. JAIN
EE (Contract)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Central Public Works Department

Office Memorandum

No. DG/CON/Maintenance 2023/09

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 03-06-2024

Subject: Additions in 'General Rules and Directions' of GCC 2023 for Maintenance Works

The following additions are made in GCC 2023 for Maintenance Works under 'General Rules and Directions':

Existing provision	Modified provision
General Rules and Directions Sl. No. 1 to 16	**General Rules and Directions** No Change
No Provision	**17. <u>Price Preference to SC/ST individual contractor for item rate/percentage rate tender</u>:** **Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-** **i. For work(s) upto and equal to an estimated cost of Rs.2.70 lakh a price preference upto 5% (with reference to the lowest valid tender) may be allowed in favor of individual SC/ST enlisted/non-enlisted contractor. No earnest money is required in such case(s).** **ii. For work(s) beyond an estimated cost of Rs. 2.70 lakh and upto and equal to estimated cost of Rs. 6.20 lakh, the price preference upto 5% (with reference to the lowest valid tender) may be allowed in favour of individual enlisted SC/ST contractor. However, earnest money at a reduced rate of ½% may be accepted in such cases.** **iii. The price pretence upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor. The above concession shall be allowed only after proper verification of the individual contractor's claim of belonging to SC/ST community.**
Schedule F **No Provision**	**Schedule F** **Price Preference to SC/ST individual contractor is valid upto ..... (date)**

This issues with the approval of DG CPWD.

03.06.2024

(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9163323

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

10/06/2024

R.K. JAIN

EE (Contract)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/10

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 09.10.2024

Subject: Modifications in Clause 10A of GCC 2023 for Maintenance Works.

The following amendment is made in the Clause 10A of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 10A Materials to be provided by the contractor The contractor shall ..... as specified in Schedule F.	**Clause 10A Materials to be provided by the contractor** **(i)** No Change
No Provision	**(ii) Maintenance of Material at Site (MAS) Register** **(a) MAS register of the key materials including Cement, Steel Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical Water proofing compound material and other items as required by Engineer-in-Charge, and shall be maintained as per proforma in Appendix-XX of GCC. All the entries in the MAS registers are made by the designated staff of the contractor and same is reviewed weekly by the authorized representative and fortnightly by the Engineer-in-Charge. However, contractor is responsible for maintenance and safe custody of MAS registers.**
(b) No provision	**(b)The self-attested copies of tax paid bill of all the materials entered in the MAS register shall be submitted by the contractor at the time of review by representative of Engineer-in-Charge. In case of any doubt, genuineness of the tax paid bills; it can be verified by the representative of the Engineer-in-Charge or the Engineer-in-Charge, however, onus of genuineness of tax paid bills rest with the contractor.**

09.10.24
R K SINGH
EE(Manual)

1/2

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Appendix-XX

REGISTER OF MATERIAL AT SITE (MAS)

1. Division/Sub-division .....
2. Name of Work .....
3. Name of Article/Item .....
4. Estimated Requirements .....

S. No.	Date of Receipts (Details of Challans/ Bills, Specific location wherePlants and Materials received/ Vehicle No.	Received from/ Issued to	Quantity Received	Date of issue	Specific location where Plants& Materials Displayed / Delivered / issued	Quantity Issued	Balance Quantity	Signature of authorized representative of contractor	Signature of authorized representative of Engineer-in-Charge/ AE/EE/	Remarks
1	2	3	4	5	6	7	8		9	10

This issues with the approval of DG, CPWD.

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

Issued from file No. CSQ/CM/17(1)/ Maintenance/2024
e-file 9184028 (DFA/9301389)

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

09.10.24
R K SINGH
EE(Manual)

2/2

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Mainteance-2023/11

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 29.10.2024

Subject: Modifications in Conditions of Contract, Clause 10A of GCC Maintenance Works 2023.

Following amendments are made in the GCC Maintenance Works 2023 :-

Existing Provision	Modified Provision
Clause 10A: Materials to be provided by the Contractor (i) The contractor shall, ... thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.	**No Change**
The contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in schedule F.	**Field Laboratory:** The contractor shall at his own expense, setup a material testing lab equipped with the testing equipment as specified in schedule F at site for conducting routine field test.
No Provision	**External Laboratory: Letter for submitting sample(s) for testing of material shall be sent through e-mail to the Lab by authorized representative of Engineer-in-Charge or Engineer-in-Charge of the work along with name(s) of test(s) to be done on the material.** **The contractor shall collect the sample(s) from the site and submit it to the lab; make necessary payment for the testing charges. He will inform on the same day through email to**

29.10.24
R K SINGH
EE(Manual)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

No Provision	**authorized representative of Engineer-in-Charge and Engineer-in-Charge regarding submission of sample (s) and payment made to the lab. If he either fails to collect or submit the sample(s) to the lab within 03 days or in time as prescribed in the specifications, whichever is earlier, the Engineer-in-Charge shall collect and submit the sample(s) and make necessary payment for testing charges to the lab. In such case, Engineer-in-Charge shall make recovery on account of collection and submission of sample(s) to the lab and paid testing charges etc. from the next R/A bill / Final bill of the contractor. This action of Engineer-in-Charge shall be final and binding.** **If the contractor fails three times in collection and/or submitting sample(s) and/or fails to make payment for testing charges, the contractor shall be debarred from tendering in CPWD for a period of two years.**
Sl. no. (ii) (a) and (b)	**No change**

This OM is applicable for all NITs uploaded after date of issue of this OM.

This is issued with the approval of DG CPWD.

29/10/24

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

Issued from file No. CSQ/CM/17(1)/2024/Maintenance e-file- 9184436 (DFA/9303295)

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

29.10.24
R K SINGH
EE(Manual)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/12
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 03.01.2025**

Subject: Modifications in General Rules and Directions of GCC 2023 for Maintenance Works.

The following amendments are made in the General Rules and Directions of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Applicable for Item Rate Tender only (CPWD - 8) 4 The rates ..... rupee one. In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer. If the revised ..... their tenders. In case of any ..... be forfeited. In case all ..... lowest contractors. Contractor ..... of the work.	**Applicable for Item Rate Tender only (CPWD - 8)** 4 No change In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit **revised price bid online using e-tender website**, quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, **on the revised template which has been sent to them by the Tender Inviting Authority (TIA)**, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer. No change
Applicable for Percentage Rate Tender only [CPWD- 7] 4B In case the lowest tendered amount (estimated cost + amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning	**Applicable for Percentage Rate Tender only [CPWD- 7]** 4B In case the lowest tendered amount (estimated cost ± amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit **revised price bid online quoting** percentage above/

03.01.25
R K SINGH
EE(Manual)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers. In case of any ..... be forfeited. If the revised ..... their tenders. In case all ..... process of the work.	below on estimated cost of tender including all sub sections/sub heads as the case may be **on the revised template which has been sent to them by the Tender Inviting Authority (TIA)**, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers. No change

This issues with the approval of DG, CPWD.

3/11/25

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

Issued from file No. CSQ/CM/17(1)/ Maintenance/2024
e-file 9185053 (DFA/9307326)

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

03.11.25
R.K.SINGH
EE(Manual)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

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)

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/14
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 10.02.2025**

Subject: Modifications in Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7 Existing provisions No provision	**Clause 7** No change **In case of correction / rejection / short documents, it will be mandatory for Engineer-in- Charge to give recorded reasons for correction / rejection / submission of additional documents within seven days after submission of running bill by the contractor.**
Clause 8 Completion Certificate Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within thirty days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect in the work, shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate ..... sum actually realized by the sale thereof.	**Clause 8 Completion Certificate** Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and **the Engineer-in-Charge within seven days of receipt of intimation of completion from contractor will inspect the work and satisfy himself about completion of work, then intimate to the concerned authorities as mentioned in Schedule F for issuance of completion certificate. The concerned authorities will inspect the work and issue completion certificate** within thirty days of the receipt of such **intimation. The Engineer-in-Charge** shall furnish **to** the contractor a final certificate of completion as the case may be, indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates. **No change.**

10.2.25
R K SINGH
EE(Manual)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

Clause 9 Payment of Final Bill	Clause 9 Payment of Final Bill
The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period of three months the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized Asstt. Engineer, complete with account of materials issued by the Department and dismantled materials.	i. The final bill shall be submitted by the contractor **to the Engineer-in-Charge** in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final **completion** certificate furnished by the Engineer-in-Charge whichever is earlier. **At the time of submission of the final bill, receipt will be given by the O/o Engineer-in-Charge.** ii. **In case of correction / rejection / short documents, it will be mandatory for Engineer-in- Charge to give recorded reasons for correction / rejection / submission of additional documents within fifteen days after submission of final measurement and/or final bill by the contractor.** iii. **Final bill will be accepted with all pre-requisite documents such as sanctioned copies of extra items and deviation in quantities, escalation statements, recovery statement, theoretical statement, completion certificate, final extension of time case, mandatory tests statement, dismantled materials account and other documents as mentioned in clause-7 A etc.** iv. **An undertaking along the final bill will be submitted by the contractor that "I / we hereby under take that all the measurements/claims payable under this contract have been included in the final bill and will not submit any other bill/claims in future under this agreement thereafter".** v. No further claims shall be entertained from the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer in

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R K SINGH
EE(Mangal)

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

If the final bill is submitted by the contractor within the period specified above and delay in payment of final bills is made by the department after prescribed time limit, a simple interest @ 5 % (five percent) per annum shall be paid to the contractor from the date of expiry of prescribed time limit, provided the final bill submitted by the contractor is found to be in order.	charge, will, be made within the period of three months. The period **of three months will be** reckoned from the date of receipt of the bill **in complete shape after necessary corrections / additional documents,** by the Engineer-in-Charge. vi. **In case of foreclosure / determination of contract, if the contractor fails to submit the EOT case, final measurement /bills within 30 days of foreclosure/ determination, the final bill will be prepared and decided by the department. The final bill shall only be paid after withholding amount equivalent to maximum compensation to be levied on the contractor.** vii. If the final bill, **in complete shape,** is submitted by the contractor within the period specified above and delay in payment of final bills is made by the department after prescribed time limit, a simple interest @5% (five percent) per annum **may** be paid to the contractor from the date of expiry of prescribed time limit, provided the final bill submitted by the contractor **contains all the documents as mentioned in para – (iii) & (iv) above.**
Schedule F **Clause 8** No Provision	**Schedule F** **Clause 8** **Competent Authorities to inspect and issue completion certificate .....** **(To be filled by NIT approving authority).**

This issues with the approval of DG, CPWD.

10/2/25

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

Issued from file No. CSQ/CM/17(1)/2025/Maintenance
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केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)

10.2.25
R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/15
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 03.03.2025

Subject: Modifications in Clause 14 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clause 14 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 14 Carrying out part work at risk & cost of contractor If contractor: (iii) The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to : (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.	**Clause 14 Carrying out part work at risk & cost of contractor** If contractor: (iii) The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to : (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor. **The contractor, from whom a part work / part incomplete work of any item(s), has been taken out of his hands, shall not be allowed to participate in the tendering/quotation process of part work / part incomplete work of any item(s).**

This issues with the approval of DG, CPWD.

03.03.25
(आर. के. सिंह)
कार्यपालक अभियन्ता (एम.)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file-9184028 (DFA/9319526)
केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)

R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/16

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 16.06.2025**

Subject: Modifications in Clause 25.2(b) and 25.6 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clause 25.2(b) and 25.6 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 25.2 **(b) Qualification of Arbitrators**: It is a term of this contract that each member of the Arbitral Tribunal shall be Graduate Engineer with experience in execution of public works engineering contracts, and he should have worked earlier at a level not lower than the Chief Engineer (equivalent to level of Joint Secretary to the Government of India). The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator. The age of Arbitrator at the time of appointment shall not exceed 75 years. An Arbitrator may be appointed notwithstanding the total number of active arbitration cases with him.	**Clause 25.2** **(b) Qualification of Arbitrators**: It is a term of this contract that each member of the Arbitral Tribunal shall be Graduate Engineer **(in Civil or Electrical or Mechanical Engineering)** with experience in execution of public works engineering contracts and he should have worked earlier at a level not lower than the SAG **(Level 14 of 7th CPC)** of the Government of India). The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator. The age of Arbitrator at the time of appointment shall not exceed **70 years**.
Clause 25.6 **Fee payable to Arbitrator(s):** The fee payable to the arbitral tribunal shall be as per CPWD OM No.2/2006/SE(TLC)/ CSQ/137 dated 19.11.2019 (or latest amendment), and shall be shared equally by both the parties.	**Clause 25.6** **Fee payable to Arbitrator(s) for arbitration cases, shall be as per the fee given in the fourth schedule of the Arbitration & Conciliation Act, 1996** (or latest amendment), and shall be shared equally by both the parties.

This issues with the approval of DG, CPWD.

चन्द्रपाल 16/06/2025

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

Issued from file No. CSQ/CM/17(1)/2025 / Maintenance e-file 9135700 (TLC File)

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

16.06.25
R K SINGH
EE(Manual)

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
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D.P. Jindal
EE (Contract)

(ii) Performance Guarantee : 5% of tendered value. Sl. No. (iii)	(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. No change

This issues with the approval of DG, CPWD.

27.02.26

(चन्द्र पाल) (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)

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D.P. Jindal
EE (Contract)

ADDITIONAL CONDITIONS AND SALIENT POINTS

1. The contractor should write their correct postal address on the application for tender papers. In case it is found that the address given in their application is not correct and as a consequence of the same if any registered letter sent through postal authorities is received back by the department undelivered to the contractor, the contractor shall be fully responsible for all the consequence and by such letter sent through registered post shall be deemed to have been delivered to him.

2. Samples of Material:-

   All materials and fittings brought by the contractor to the site for use shall confirm to the samples approved by the Engineer-in-charge, which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material are not specified in the item of work, the contractor shall submit the samples as per suggestive list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings carrying ISI Mark shall be used with the approval of Engineer-In-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute confirming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

   The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

   BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and / or the work done.

3. All the materials will be arranged by the contractor himself.

4. If water will be supplied by the department, then 1% (One percent) water charges shall be recovered from the gross amount of the work done. No borewell will be permitted in the campus. GST shall be deducted from the gross amount of the work as per prevailing rules.

5. Samples of Testing: - **As perQuality Assurance Manual for Building Works 2022.**

   All the materials used for the work shall be got tested by the contractor from approved lab / lab established at site of frequency as per CPWD Quality assurance manual for building works - 2022

   All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. As per list of approved laboriatories for testing as approved by ADG/SDG. As Below

   (i) Any govt. engineering collage, govt. testing lab and any private lab duly approved by the competent authority of CPWD.

   5.1 In case there is any discrepancy in frequency of testing as given in list of mandatory tests

provided in CPWD Specifications and that in individual sub-heads of work as per CPWD Specifications higher of the two frequencies of testing shall be followed and nothing shall be payable.

5.2 The contractor has to establish field laboratory at site including all necessary equipment for field tests at his own cost.

6. All material shall only be brought at site as per programme**finalized** with the Engineer-in-Charge. Any pre-delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.

7. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried out in accordance with the "CPWD Specifications 2019 VoI.I to II with correction slips **issued up-to last date of submission of tender** and instructions of Engineer-In-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed.

8. A reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up-to last date of receipt of tenders. **The Contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at site**.

9. Samples including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-In-Charge, well in advance of actual execution and shall be preserved till the completion of the work.

10. Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all lifts & all heights, floors including terrace, leads and depths and nothing extra shall be payable on this account.

11. The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs involved in the execution of the item.

12. The contractor(s) shall quote all-inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned in the tender documents unless specifically specified otherwise.

13. The contractor shall ensure quality construction in a planned and time bound manner. Any sub standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub standard / defective work immediately.

14. Deviation in quantities shall be done only with prior written permission of the Competent Authority.

15. Unless otherwise specified in the schedule of quantities the rates for all items except for sub soil water, shall be considered as inclusive of pumping / bailing out water, if necessary for which no extra payment shall be made.

16. To avoid disputes later on, contractor is advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clause (7) of the contract. Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded shall be entertained.

17. The work covered under this contract shall be carried out in piece meal / in parts, and the contractor shall execute the work in the area made available to him and the contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.

18. The rate for all items, in which the use of cement is involved, is inclusive of charges for curing.

19. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only)

20. Any legal or financial implications resulting out of disposal of earth shall be sole responsibility of the contractor. Nothing extra shall be paid on this account.

21. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.

22. The contractor shall indemnify the Govt. against any claims or obligations arising out of any damage to adjacent property, structure or to building work done by him.

23. Licenses

23.1 The contractor shall pay to the municipal, police or other authorities all the fees etc. that may be required by law, obtain requisite licences for temporary constructions, enclosures and pay all fees taxes and charges which shall be leviable on account of his obligations in executions of the contract. No extra claim will be entertained on this account.

23.2 All licencing fees, royalty charges for property rights etc. shall be paid by the contractor direct to the authorities concerned. No extra claim will be entertained on this account. Unless specifically specified.

24. In case services are encountered during excavation / earthwork and such services are required to be shifted, the contractor is bound to carryout the shifting operation as per guidance / instructions and with the approval of the Engineer-In-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.

25. Existing cables, pipe cables, overhead wires, sewer lines, water lines and similar services encountered in the course of execution of work shall be protected against the damages by the contractor at his own cost.

26. The contractor shall make his own arrangements for electricity required for the execution of the work and nothing extra shall be paid for the same. However, for electrical connection, Engineer-In-Charge shall recommend the application to concerned local authorities. Necessary payment shall be made by the contractor directly to the department concerned. In case the authorities fail to sanction the electric connection or delay the sanction of electric connection, the contractor shall make his own arrangements by providing diesel generators of adequate capacity at his own cost.

27. Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.

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

29. Royalty at the prevailing rates wherever payable shall have to be paid by the contractor on the boulders, metal, shingle, sand and bajri etc. Or any other material collected by him for the work direct to revenue authorities and the department shall pay nothing extra for the same.

30. The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.

31. Contractor shall provide permanent benchmarks, flag tops and other reference points for the proper execution of work and these shall be preserved till the end of work. All such reference points shall be in relation to the levels and locations, given in the Architectural and plumbing drawings.

32. Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bylaws and municipal body / corporation where CPWD Specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body / Corporation authorities wherever required at his own cost.

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

34. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been included in the items and nothing extra shall be payable (or) extra cement considered in consumption on this account. For RCC work, only factory made round type cover block shall be used. For Brickwork unless otherwise specified FPS bricks shall be used in all items of work. The classification of bricks brought by the contractor shall conform to the CPWD Specifications.

35. The contractor shall bear all incidental charges for cartage storage and safe custody of materials brought to site.
The work shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available therefrom is complete and unambiguous. The discrepancy, if any, shall be brought to the notice of the Engineer-In-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information.
(i)All materials obtained from Govt. Stores or otherwise shall be got checked by the Engineer-In-Charge or his any representative on receipt of the same at site before use.

ii)All material shall only be brought at site as per programmefinalised with the Engineer-In-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

36. The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-In-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and in aProper co-ordination manner and shall perform it in proper sequence to the complete satisfaction of others.

37. The Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-In-Charge.

38. Normally contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site conditions / circumstances so demand. However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained. In such situations

the contractor shall make available to the department proper means of transport such as vehicle at his own cost.

39. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor's 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. In no case such services should be stopped to the existing buildings.

40. The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.

41. The contractor shall be fully responsible for the safe custody of materials brought and issued to him.Even though the materials are under double lock key system.

42. The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and clearance of the same before use in the work. Any pre-delivery of the materials not required for immediate consumption shall not be resorted to. The contractor shall provide at his own cost suitable weighing and measuring arrangements at site for checking the weight / dimensions as may be necessary for execution of work.

43. No payment shall be made to the contractor for any damage caused by rain, floods, earthquake or any other natural causes whatsoever during execution of work. The contractor at his own cost will make the damages to the work good and no claim on this account shall be entertained.

44. For construction works which are likely to generate malba / rubbish to the tune of more than a truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at his own cost to the notified specified dumping ground and under no circumstances these shall be stacked / dumped even temporarily, outside the construction premises.

45. Contractor must see the site before quoting their rates.

46. **COVID-19 appropriate behavior**: It must be ensured that social distancing, hand washing and masking are being followed to prevent spread of infection. Arrangements may be also be made for testing and vaccination of the workforce.

47. **Shop Drawings: -**The Contractor shall submit the shop drawings of doors, windows, louver, cladding and other aluminum work, to the Engineer-in-Charge for his approval. The shop drawing shall show full size and sections of doors, windows etc., thickness of matal (i.e wall thickness) details of constructions, sub frame/rough ground profile, anchoring details hardware as well as connection of windows, doors and other metal work to adjacent work. Samples of all joints and methods of fastening and joining shall be submitted to the Engineer-in-Charge for approval well in advance of commencing the work.

SPECIAL CONDITIONS AS PER NGT GUIDELINES:

Hon'ble National Green Tribunal in its order dated 04.12.2014 in respect of air pollution from dust resulting from demolition and construction activity inter-alia has directed as follows:

I. No government, authority, contractor, builders or any person would be permitted to store/dump construction material or debris on metalled road.

II. Beyond the metalled road the area where such the construction material or debris can be stored shall be physically demarcated by officers of all the concerned Authorities/Corporation ensuring that it would not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured that no accidents occur on account of such permissible storage.

III. Every builder, contractor or person shall ensure that the construction material is covered by tarpaulin and all other precaution should be taken to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
It shall also be ensured that appropriate protection measures are taken by raising wind breakers of appropriate height on all sides of the plot/area using plastic and/or other similar material to ensure that no construction material dust fly outside the plot are and it will be the builder/contractor responsibility to ensure that their activity does not cause any air pollution during course of construction and/ or storage of material or construction activity. This condition shall be strictly adhered to by every builder, contractor, person or authority. In the event of default they shall be liable to be prosecuted under the law in force, as well as for causing environmental pollution and will be liable to pay compensation which would be determined by Tribunal in accordance with law.

IV. All the trucks or vehicles of any kind which are used for construction purposes/ are carrying construction material like cement, sand and other allied material should be fully covered. The vehicles should be properly cleaned should be dust free and every necessary precautions is to be taken to ensure that enroute their destination, the dust, sand or any other particles are not permitted to be released in air/contaminate air.

Hon'ble National Green Tribunal in order Dated 10.04.2015interiliachas directed as follows:

1. Every builder or owner shall put tarpaulin on scaffolding around the area of construction and the building. No person including builder, owner can be permitted to store any construction material particularly sand on any part of the street, roads in any colony.
2. The construction material of any kind that is stored in the site will be fully covered in all respects so that it does not disperse in the Air in any form.
3. All the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form whatsoever.
4. The dust emissions from the constructions site should be completely controlled and all precautions taken in that behalf.
5. The vehicles carrying construction material and construction debris of any kind should be cleaned before it is permitted to ply on the road after unloading of such material.
6. Every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris shall be provided with mask to prevent inhalation of dust particles.
7. Every owner and or builder shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emissions.
8. It shall be the responsibility of every builder to transport constructions material and debris waste to construction site, dumping site or any other place in accordance with rules and terms of this order.

9. All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.
10. Compulsory use of wet jet in grinding and stone cutting.
11. Wind breaking wall around construction site.
12. All the builders who are building commercial, residential complexes which are covered under the EIA Notification 2006 shall provide green belt around the building that they construct. All authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.
13. All builders shall ensure that C&D waste is transported in terms of this order to the C&D waste site only and due record in that behalf shall be maintained by the builders.
14. Even if constructions have been started after seeking environmental clearance under EIA notification 2006 and after taking other travel but is being carried out without taking the preventive and protective environmental steps as stated in this order and MoEF guidelines 2010, the State Government, SPCB and any officer of any department as afforested shall be entitled to direct stoppage of work.

Environmental Impact Assessment Guidance Manual for Building, Construction, Township and area development Projects of February, 2010 is available on the website of MoEF& CC invisaging the following guidelines for mitigation measures in respect of dust control from Building, Construction Projects:

"Adopting techniques like, air extraction equipment, and covering scaffolding, hosing down road surfaces and cleaning of vehicles can reduce dust and vapour emissions. Measures include appropriate containment around bulk storage tanks and materials stores to prevent spillages entering water courses.

The others measures to reduce the air pollution on site are:-

- Sprinkling of water and fine spray from nozzles to suppress the dust.
- On-Road-Inspection should be done for black smoke generating machinery.
- Promotion of use of cleaner fuel should be done.
- All DG sets should comply emission norms notified by MoEF.
- Vehicles having pollution under control certificate may be allowed to ply.
- use of covering sheet to prevent dust dispersion at buildings and infrastructure sites, which are being constructed.
- Use of covering sheets should be done for trucks to prevent dust dispersion from the trucks, implemented by district offices.
- Paving is a more permanent solution to dust control, suitable for longer duration projects. High cost is the major drawback to paving.
- Reducing the speed of a vehicle to 20kmph can reduce emissions by a large extent.

Speed bumps are commonly used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, it may be necessary to divert traffic to nearby paved areas.

Material storages/ warehouses- Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/particulate emissions. Fabrics and plastics for covering piles of soils and debris is an effective means to reduce fugitive dust."

By way of these orders/notice you are hereby notified for mandatory strictly adherence to and compliance of the directions contained in the order of Hon'ble Tribunal as well as MoEF guidelines, 2010 in relation to precautions required to be taken while carrying on construction activities.

Copy of NGT orders dated 04.12.2014, 10.04.2015 copy of MoEF guidelines 2010

Please note that the non-compliance of Hon'ble NGT order will make you liable for action as per law including the directions for stoppage of work.

ADDITIONAL CONDITION FOR A/R & M/O WORKS

1. Substandard work shall be rejected out rightly and nothing shall be paid on this account.
2. Day to day program shall be taken from the Junior Engineer-in-Charge of the work and contractor shall have to execute the work accordingly and no claim whatsoever shall be entertained due to any unforeseen change of programme.
3. The doors, windows floors and other items if any shall be protected by suitable covering etc at the time of execution of work.
4. All precautions will have to be taken to prevent damage to the structure during the execution. Any such damage if occurs shall be made good free of cost.
5. The rates include all leads and lifts i.e. on all the floors. No claim on this account will be entertained.
6. Before the start of work the sample of the items to be executed shall be got approved from the Engineer-in-Charge and the same shall be strictly followed everywhere.
7. For any change of shade if strainer is required to be used the contractor shall make his own arrangement for strainer of approved manufacture at his own cost.
8. Wherever two or more coats of work on old work is mentioned it will mean doing the work wherever scrapping has been done.
9. No. T&P shall be issued by the Department.
10. Measurements for work done shall only be recorded after full removal of splashes of the white wash / distemper / paint / water proofing cement paints etc. In case of non-removal of the splashes the cost of their removal shall be recovered from the contractor at the direction of Engineer-in-charge.
11. **The contractor shall have to produce original voucher to check the genuineness of material, such as paint, distemper, water proofing cement paint and primer etc.**
12. The contractor and/ or his authorized representative should inspect the site order book every day and got the compliance noted by the JE/ AE Engineer-in-charge.
13. All the materials shall be got approved from the Engineer-in-charge before, it is put to use.
14. The contractor shall be issued materials for day to day work, according to the numbers of men deployed by him. The unused materials should be returned by him at the end of the days work along with the empty containers etc. The empty containers shall be preserved till the completion of the work and the clearance to remove them in given by the Engineer-in-charge in writing.
15. All nails holes etc shall be repaired with lime plaster or with glazer putty as required without any extra payments.
16. All doors, windows, floors, civil, electrical fittings and other articles shall be cleaned free from dust, splashes and damages; sufficient covering for the days work shall be shown to the representative of the Engineer-in-charge before the contractor is allowed to proceed with the work. Splashes and dropping of white wash from, glass panes down take pipes, civil, shall be removed by the contractor at his own cost and the surface cleaned simultaneously after the completion of the days work in individual room or bungalow or premises where the work is done without waiting for the actual completion of all the other items of work in contract.
17. Full quantity of material purchased from authorized dealers with their cash memos like paint/ distemper/ cement paint/ OBD/ plastic emulsion of the firm indicated in the items or elsewhere shall be deposited with the JE concerned before starting execution.
18. The Substandard work shall be rejected outright and shall not be measured and nothing extra shall be paid for it. The decision of the Engineer-in-charge shall be final and binding in this regard.

19. In case material consumed is less then the permissible variation then the work beyond theoretical consumption including variation shall be treated as substandard and quality for payment purpose will be restricted to as per material actually consumed.
20. Scrapping shall be shown to the AE and got approved prior written permission of Engineer-in-charge.
21. The contractor shall have to remove all splashes after completing the day work. In case the splashes are not removed by the contractor the same shall be got removed by the Engineer-in-charge and necessary recovery for the cost of removal of splashes shall be made from the contractor.
22. The co-efficient for working out theoretical consumption are as below: -

    a Acrylic washable distemper.
        (i) One or more coats on old work 1 kg per 10 sqm.
        (ii) Two or more coats on new work 1.50 kg per sqm.
    b Cement primer 0.70 ltr per 10 sqm.
    c Water proofing cement paint.
        (i) One or more coats on old work 2.2 kg per 10 sqm.
        (ii) Two or more coats on new work & 3.84 kg per 10 sqm.
    d Plastic emulsion paint.
        (i) One or more coats on old work & 0.73 ltr per 10 sqm.
        (ii) Two or more coats on new work & 1.21 ltr per 10 sqm.
    e Synthetic enamel paint
        (i) One or more coats on old work 0.70 ltr per 10 sqm
        (ii) Two or more coats on new work & 1.16 ltr per 10 sqm
    f White washing with lime.
        (i) One or more coats on old work 0.01 qtl per 10 sqm
        (ii) Two or more coats on new work & 0.02 qtl per 10 sqm
        (iii) Three or more coats on old work 0.01 qtl per 10 sqm.

23. **The operation of cleaning of sewer line / desalting of chamber, manhole / drain should be videographer at each location of super sucker for a period of 10 minutes per day basis and providing them three sets of CD's as direction by engineer-in-charge.**

Executive Engineer,

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

SPECIAL CONDITIONS FOR STEEL

1. The contractor shall procure ISI marked Corrosion Resistant Steel (CRS) TMT reinforcement bars i.e Low Alloy Stee with improved corrosion resistance confirming to IS: 1786-2008 (Indian Standard Specification for high strength deformed steel bars and wires for reinforcement) of Fe 500D grade or as per specification / nomenclature of the item from primary producers such as SAIL, Tata Steel Ltd, RINL, Jindal Steel & Power Ltd and JSW Steel Ltd
2. The contractor shall, at his own expense procure and provide all materials including cement and steel required for the work.
3. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
4. All materials brought by the contractor for use in the work shall be got checked from the Engineer-In-Charge or his authorized representative of the work on receipt of the same at site before use.
5. Before placing the reinforcement bars in position, contractor shall submit the bar bending schedule indicating the shape of bar, type/ designation of bar, number of bars, the diameter bars, quantity of reinforcement etc., as per structural drawing for approval by the Engineer-in-Charge in writing. After the approval of the bar bending schedule by the Engineer-in-Charge, the reinforcement shall be placed in position and thereafter it shall be measured in the measurement book and got test checked of its accuracy before embedding or before placing it beyond the reach of measurement, from the Engineer-in-Charge or his authorized representative. Similar action shall also be taken for all other hidden items. It will be the responsibility of the contractor to bring out to the notice of the Engineer-in-Charge the deviations, if any giving the details of the measurements with locations for approval of the competent authority immediately after it is detected or foreseen
6. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost. The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock and key system.
7. The standard sectional weights referred to as in Table 5.4 under para 5.3.4 in CPWD specifications for works 2009 Vol. 1 will be considered for conversion of length of various sizes of MS bars, Tor steel bars and TMT bars into standard weight.
8. Records of actual sectional weight shall also be kept dia-wise & lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as derived actual weight.
9. If the derived weight as in para 14 above is lesser than the standard weight as in para 13 above, the derived actual weight shall be taken for payment.
10. If the derived actual weight is found more than the standard weight then the standard weight as worked out in para 13 above shall be taken for payment. In such case nothing extra shall be paid for the difference between the derived actual weight and the standard weight.
11. Mixing of different type of steel/different grades of steel shall not be allowed in the same structural members as main reinforcement to satisfy clause 26.1 of IS:456.
12. Tolerances on Nominal Mass (individual sample) shall be as under: -

Sl no	Nominal size mm	Tolerances on the Nominal Mass, percentage
1.	Up to and including 10	-8%
2.	Over 10 up to & including 16	-6%
3.	Over 16	-4%

13 Special conditions for steel
Modified guidelines for use of reinforcement bars in structures.

13.1 For reinforced cement concrete or pre-stressed concrete work, the reinforcement bars shall consist of the following grades conforming to IS 1786 : 2008 (Indian Standard specification for high strength deformed steel bars and wires for concrete reinforcement) : Fe 415, Fe 415D, Fe 415S, Fe 500D, Fe 500S and Fe 550D.

13.2 The contractor shall obtain manufacturer' certificate stating the process of manufacture, chemical composition and test sheet giving result of each mechanical test applicable to the material purchased and submit it to the Engineer-in-Charge. Each test certificate shall indicate the number of the cast to which it applies, corresponding to the number or identification mark to be found on the material.

13.3 The contractor shall submit to the Engineer-in-Charge test results of each consignment for physical properties (including bend and re-bend test) as specified in IS : 1786 from NABL accredited laboratory or any Government laboratory.

13.4 Reinforcement bar is one of the most important building materials. Its quality directly affects the life span, resistance to earthquake and durability of the structure. In order to ensure consistent quality of rebars, the NIT approving authority may prescribe reputed brand like SAIL, RINL, Tata, JSW, JSPL in the list of preferred makes.
In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from secondary producers having Integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Million tonne per annum and more.

In case of non-availability of steel from primary producers as well as ISPs then the NIT approving authority may also permit use of TMT reinforcement bars procured from secondary producers in such cases following conditions are applicable .

(a) The grade of the steel such as Fe500 D grade to be procured is to be specified as per BIS 1786-2008.

(b) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.

(c) TMT bars procured either from primary producers ISP or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to Fe 500D grade of steel as specified in the tender.

13.5 The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.

13.6 The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or part thereof, or as decided by the Engineer-in-charge.

13.7 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

13.8 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below:

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

13.9 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of testing charges shall be borne by the contractor.

13.10 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

13.11 The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.

13.12 In case the contractor bring surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in- Charge

13.13 The mild steel and medium tensile steel bars to be used shall conform to latest version of IS: 432 and cold twisted bars and TMT bars shall conform to the latest version of IS: 1786.

13.14 Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and un-authorized overlaps shall not be measured.

PARTICULAR SPECIFICATIONS

CIVIL & DRAINAGE WORK.

1. EARTH WORK

The work shall be done in accordance with CPWD Specifications using mechanical equipments and machinery as per site condition and without any damage to near by structure.

2. CONCRETE WORK

The concrete work shall be done in accordance with CPWD Specifications and MORTH specification.

3. R.C.C. Work (Design mix concrete):-

The RCC work shall be done with Design Mix Concrete unless otherwise specified. In the nomenclature of Items wherever letter M has been indicated, the same shall imply for the Design Mix Concrete. For the nominal mix in RCC, CPWD Specifications shall be followed. The Design Mix Concrete will be designed based on the principles given in IS: 456, 2000. The Contractor shall submit the design mix from approved laboratory indicating the source of concrete ingredients and proportion of each ingredient. In case of use of admixture, the mix shall be designed with these ingredients as well. The specifications mentioned here-in-below shall be followed for Design Mix Concrete.

3.1 The design mix shall be carried out as per provision of the relevant IS code.

3.2 The first concrete mix design / laboratory tests, with admixture (if to be used by contractor at his own cost) and without admixture will be carried out by the contractor through one of the following laboratories / Test houses and charges for same shall be borne by contractor with a condition that material should be procured from the same quarry/source.

1. I.I.T. Guwahati, Assam Engineering College Guwahati or any other Govt. institute or Private lab/institute approved by competent authority of CPWD

The various ingredients for mix design / laboratory tests shall be sent to the lab / test houses through the Engineer-in-charge and the samples of such aggregates sent shall be preserved at site by the department.

3.3 The contractor shall submit the report on design mix from any of above approved laboratories for approval of Engineer–in–Charge within 30 days from the date of issue of letter of acceptance of the tender. No concreting shall be done until the design mix is approved. In case of Ordinary Portland cement and the likely use of admixtures where CC / RCC is done with concrete pumps in concrete with Portland Pozzolona/ Ordinary Portland cement, the contractor shall design and test the concrete mix by using trial mixes with cement and / or admixtures also, for which nothing extra shall be payable.

3.4 In case of change of source or characteristic properties of the ingredients used in the concrete mix during the work, a revised laboratory mix design report conducted at approved laboratory shall be submitted by the contractor as per the direction of the Engineer-in-charge.

3.5 Approval of design mix:-

It shall be in accordance with CPWD specification 2019 Vol. 1 to II shall be followed with up-to date correction clips.

3.6 All cost of mix designing and testing connected therewith including charges payable to the laboratory shall be borne by the Contractor. In case, the job mix already got designed recently (not older than Six Month) from any of above Institution is made available by the approved RMC plant it can be allowed by the Engineer-in-Charge with a condition that material should be procured form the same quarry/source.

3.7 All other operations in concreting work like Mixing, Slump transportation, laying / placing of concrete, compaction, curing etc. not mentioned in this particular specification for Design Mix of Concrete shall be as per CPWD Specifications / IS: 456-2000

3.8 Work Strength Test:

Test Specimen:-Work strength test shall be conducted in accordance with IS : 516 on random sampling. Each test shall be conducted on six specimens three of which shall be tested a 7 days and remaining three at 28 days. Three specimens shall be made for each sample for resting at 28 days. Additional samples may be required for various purposes such as to determine the strength of concrete at 7 days or at the time of striking the formwork, or to determine the duration of curing, or to check the detesting error. Additional samples may also be required for testing samples cure by accelerate methods as described is IS 9013.
Test Results of Sample:- The test results of the sample shall be the average of the strength of three specimens. The individual variation shall be not more than ± 15 percent of the average.
Sampling procedure:- A random sampling procedure shall be adopted to ensure that each concrete batch shall have a reasonable chance of being tested, that is, the sampling should be spread over the entire period of concerting and cover all mixing units.

3.9 Acceptance Criteria

3.9.1 The preparation, mixing, transportation, placing, compaction, testing of ingredients and admixtures etc. shall be as per the specifications.

3.9.2 Ready Mix Concrete (RMC) from RMC producer

3.9.3 The contractor shall be allowed to arrange Ready MIX concrete (RMC) from the RMC producing plants supplying concrete in Shillong

3.9.4 The contractor shall, within a 15 days of award of the work, submit list of at least three RMC producers of repute along with details of such plants including details and number of transit mixers & pumps etc. to be deployed indicating name of owner/company, its location, capacity, technical establishment, past experience and text of MOU proposed to be entered between purchaser (the contractor) and supplier (RMC producer) to the Engineer-in-charge. Engineer-in-charge shall give approval in writing (subject to drawl of MOU) failing which the contractor shall give list of other RMC producers of repute along with required details for approval of Engineer. The contractor shall draw the MOU with approved RMC producer and submit to Engineer-in-charge within a week of such approval. **The contractor will not be allowed to use ready mixed-concrete without completion of above stated formalities**.

3.9.5 Notwithstanding the approval granted by Engineer-in-charge in aforesaid manner or provisions in CPWD specification 2019 Vol-I to II with up to date correction slips, the contractor shall be fully responsible for quality of concrete including input control, transportation and placement etc.

3.9.6 For all purposes the contractor shall carry out fully the responsibilities of the "placement contractor" and the "manufacturer of concrete".

3.9.7 The Engineer-in-charge will reserve right to inspect at any stage and reject the concrete if he is not satisfied about quality of product at the user's end.

3.9.8 The Engineer-in-charge reserves the right to exercise control over the:-

I. Ingredients water and admixtures purchased, stored and to be used in the concrete including conducting of tests for checking quality of materials, recording of test results and declaring the materials fit or unfit for use in production of mix.
II. Calibration check of the RMC plant.
III. Weight and quantity check on the ingredients, water and admixture added for batch mixing.
IV. Time of mixing of concrete.
V. Testing of fresh concrete, recordings of results and declaring the mix fit or unfit for use. This will include continuous control on the workability during production and taking corrective action, if required.
VI. For exercising such control, the Engineer-in-charge shall periodically depute his authorized representative at the RMC plant. It shall be responsibility of the contractor to ensure that all necessary equipment, manpower & facilities are made available to E-in-C and/or his authorized representative at RMC plant.

The contractor should therefore draw MOU/agreement with RMC producer very carefully keeping in view all terms and conditions/specifications forming part of this tender document.

3.9.9 All required relevant records of RMC shall be made available to the Engineer-in-charge or his authorized representative. Engineer-in-charge shall, as required, specify guidelines & additional procedures for quality control & other parameters in respect of materials, production 7 transportation of concrete mix which shall be binding on the contractor 7 the RMC plant. Only concrete as approved in design mix by Engineer-in-charge shall be produced in RMC plant and transported to the site.

3.9.10 PPC (Conforming to IS-8112) of approved brand/make as approved by Engineer-in-charge shall only be used for production of concrete.

3.9.11 **Quality control of Ready-mixed concrete**

It shall be the responsibility of the contractor to ensure that RMC producer provides all necessary testing equipments and takes all necessary measures to ensure Quality Control of ready mixed concrete. In general the required measures shall be:-

(I) Control of purchased material quality

RMC producer shall ensure that all the materials purchased and used in the production of concrete conform to the stipulation of the relevant agreed standard and the requirements of the concrete mix design and quality control procedures. This shall be accomplished by visual checks, sampling and testing, certification from material supplier and information/data from materials supplier. Necessary equipment for the testing of all material shall be provided and maintained in calibrated condition at the plant by the RMC producer.

(II) Control of material storage

Adequate and effective storage arrangement shall be provided by RMC producer at RMC plant for reliable transfer and feed systems, drainage of aggregates, prevention of freezing or excessive solar heating of aggregate, prevention of contamination etc.

(III) Record of mix design and mix design modification

RMC producer shall ensure that record of mix design and mix design modification is readily available in his computer at RMC plant for inspection of Engineer-in-charge or his authorized representative at any time. Any modification in mix design shall be done only after the approval of Engineer-in-charge.

(IV) Transfer and weighing equipment

RMC producer shall ensure that a documented calibration procedure is in place. Proper calibration records shall be made available indicating date of next calibration due & corrective action taken. RMC producer shall ensure additional calibration checks whenever required by E-in-C in writing to contractor. RMC producer shall also maintain a daily production record including details of customers to whom RMC was supplied including details of mixes supplied. He shall also maintain the record of material being used for each day's production including water and admixtures.
The accuracy of measuring equipment shall be within ± 2% of quantity of cement & ± 3% of quantity of aggregate, admixture and water being measured.

(V) Maintenance of Plant, Truck Mixers and Pumps;-

Plant, Truck Mixer and Pumps should be well maintained so as to not hamper any operation of production transportation and placement of concrete.

(VI) Production of concrete at RMC producing plant

i) Weighing (correct reading of batch data and accurate weighing):- for each load, written, printed or graphical records shall be made for the materials batched, the estimated slumps, the total amount of water added to the load, the delivery tickets number for that load and the time of loading the concrete into the truck.

ii) Visual observation of concrete during production and delivery during sampling and testing of fresh concrete (assessment of uniformity, cohesion, workability, adjustment to water content):- the workability of the concrete shall be controlled continuously during production. The batch mix found unfit shall not be loaded into the truck for transportation.
Necessary corrective action shall be taken in the production of mix as required for further batches.

iii) Adequate testing equipment at the plant including equipment for measuring surface moisture content of aggregates shall be provided by the RMC producer.

iv) Making corresponding adjustments at the plant automatically or manually to batched quantities to allow for observed, measured or reported changes in materials or concrete qualities.

v) Sampling of concrete, testing, monitoring of results.

vi) Diagnosis and correction of faults identified from observations/complaints

vii) Control of designed and the prescribed mixes: a quality control system shall be operated to control the strength of designed mixes to the required levels. The system shall include continuous analysis of results from cube tests.

3.9.12 Use of design mix concrete

i) Design mix concrete produced in Ready mix concrete plant shall be arranged by the contractor from the RMC producers to be used for RMC works.

ii) Ready mix concrete shall be arranged in quantity as required at site of work. The ready mix concrete shall be supplied as per the pre-agreed schedule approved by Engineer-in-charge. Nothing extra shall be payable on this account.

iii) The Item of design mix cement concrete shall be inclusive of all the ingredients including admixtures if required, labour, machinery, T&P transportation etc. (expect shuttering which will be measured & paid for separately) required for a design mix concrete of required strength and workability. The rate quoted by the agency shall be net & nothing extra shall be payable on account of changes in quantities of concrete ingredients like cement and aggregates and admixtures etc. as per approved mix design.

iv) The Project Manger reserves the right to approve RMC producing plants not mentioned in the Item of RCC if they fulfil all the condition stipulated as above.

3.9.13 standard of acceptance

I. The acceptance criteria shall be as per CPWD specification.

II. Concrete of each grade shall be assessed separately.

III. Concrete is liable to be rejected, if it is porous or honeycombed, its placing has been interrupted without providing a proper construction joint, the reinforcement has been displaced beyond the tolerances specified, or construction tolerances have not been met. However, the hardened concrete may be accepted after carrying out suitable remedial measures to the satisfaction of the Engineer-in-charge for which nothing extra shall be payable to the contractor.

IV Only M.S. centering/shuttering and scaffolding material unless & otherwise specified shall be used for all RCC work to give an even finish of concrete surface. However, marine-ply shuttering in exceptional cases as per site requirement may be used on specific request from contractor as approved by the Engineer-in-charge.

V Nothing extra shall be paid for the centering and shuttering, circular in shape whenever the form work is having a mean radius exceeding 6 m in plan.

VI In order to keep the floor finish as per architectural drawings and to provide required thickness of the flooring as per specifications, the level of top surface of RCC shall be accordingly adjusted at the time of its centering, shuttering and casting for which nothing extra shall be paid to the contractor.

VII Measurement – As per CPWD specifications.

VIII Tolerances – As per CPWD specifications.

3.9.14Rates:-

i) The rate shall include the cost of materials and labour involved in the operations described above except for the cost of centering, Shuttering & reinforcement which will be paid separately.

ii) In case of actual average compressive strength being less than specified strength which shall be governed by Para "Standard of Acceptance" as above, the rate payable shall worked out accordingly on pro-rata basis.

iii) In case of rejection of concrete on account of unacceptable compressive strength, governed by Para "Standard of Acceptance" as above, the work for which samples have failed shall be redone at the cost of contractors. However, the Engineer-in-charge may order for additional tests (like cutting cores, ultrasonic structure etc.) to be carried out at the cost at the of contractor to ascertain, if the portion of structure wherein concrete represented by the sample has been used, can be retained on the basis of results of individual or combination of these tests. The contractor shall take remedial measures necessary to retain the structure as approved by the Engineer-in-charge without any extra cost. However, for payment, the basis of rate payable to contractor shall be regulated in accordance with CPWD Specification.

3.9.15 Use of Proper Cover Blocks:

The contractor shall provide approved type of supports for maintaining the bars in position and ensuring require spacing and correct cover of concrete to reinforcement as called for in the drawing. Spacer block of required shape and size, M.S. chairs and spacer bars shall be use in order 5 to ensure accurate positioning of reinforcement. Spacer block shall be cast well in advance with approved proprietary pre-packed free flowing mortars (Conbextra as manufactured by M/s. Fosroc Chemicals India Ltd. Or approved equivalent) of high early strength. Blocks of polymer shall not be used as spacer block unless specially approved by the Engineer-in-charge. Rate of Item of steel reinforcement is inclusive of cost of such cover block.

4. RCC WORK (ORDINARY)

Water:-Cement ratio for Ordinary RCC work shall not be more than 0.5. The Contractor shall use concrete mixture of proper design having arrangement for measuring water for mixing of concrete.

5. PRE-CAST RCC WORK

Pre-cast reinforced concrete units shall be of grade or mix and cement content as specified in the schedule of quantities. Provision shall be made in the mould to accommodate fixing devices such as hook, flats etc and forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-charge before taking up the work.

Pre-cast units shall be clearly marked to indicate the top of member and its location.

Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.

The compaction of the concrete shall be done by vibrating table or external vibrator, as approved by Engineer-in-charge. The rate quoted for the Item shall include the element for framework and mechanical vibration.

Rate for Item includes cost of all materials, labour and all operations involved. Cost of M.S. frames, lugs including their welding, lifting hooks is also included.

6. Shuttering:-

The contractor shall use steel shuttering as approved by the Engineer-in-charge. Minimum size of shuttering plates shall be 600mm x 900mm except for the case when closing pieces required completing the shuttering panels. Dented, broken, cracked, twisted or rusted shuttering plates shall not be allowed for use on the work.

The shuttering plates shall be cleaned properly with electrically driven sanders to remove any cement slurry or cement mortar or rust. Proper shuttering oil or de-bonding compound shall be applied on the surface of the shutter plates in the requisite quantity before assembly of steel reinforcement.

7. Reinforcement:-

a) The rate of Item of reinforcement in RCC work includes all operations including straightening, cutting, bending, binding with annealed steel and placing in position at all the floors with all leads and lift complete.

b) To avoid displacement of bars in any direction & to ensure proper cover, suitable locks made of cement concrete of same mix as that of RCC shall be used by the contractor. Only factory made round type cover blocks shall be used. **Nothing extra shall be payable on this account.**

c) For small quantity of RCC works such as columns, Chajjas fins etc., design mix concrete prepared at site by batching plant of not less than 15 m3 capacity installed at site of work by contractor at his own cost shall be allowed.

8. Brick work:-

8.1 The brick work shall be carried out with good quality well burnt FPS Bricks of class designation of.

8.2 The rate shall also include for leaving chases / notches for dowels / cramps for all kinds of cladding to come over brick work.

8.3 Brick masonry shall be with FPS. Contractor shall intimate the source of supply of bricks & samples of the bricks shall be got approved from the Engineer-In-Charge in advance.

9. PRECAST CONCRETE PAVING BLOCKS

9.1 The precast concrete paving blocks shall be as per the specifications mentioned in IS code 15688-2006 i.e. Specification for precast concrete blocks for paving".

10. Plain quality concrete (PQC) shall be executed as per MORTH specification.

11. Conditions for Cement:

11.1 The contractor shall procure 43 grade ordinary Portland cement conforming to IS 8112/Portland Pozzolana Cement conforming to IS: 1489 (Part-I) as required in the work, from reputed manufacturers of cement such as ACC, Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum as approved by Chief Engineer/Chief Project Manager for that Zone. (Modified vide OM DG/MAN/378 dtd 12.10.2018)) The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.

The Contractor shall procure 43 grade Ordinary Portland cement / Portland Pozzolana Cement conforming to IS:1489 (Part-1) as required in the work, from reputed Manufacturers of Cement, as Specified in the list of Approved Makes.
Supply of cement shall be made in 50kg. bags bearing manufacture's name and ISI marking. Sample of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of the relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not confirm to the relevant BIS code the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

11.2 The cement shall be brought at site in bulk supply of 5 tones or as decided by the Engineer-in-Charge.

11.3 The cement godown of the capacity to store a minimum of 200 bags of cement 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 key of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock shall remain with the contractor. The Contractor shall be responsible for the watch and ward and safety of the cement godwon. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

11.4 The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the

cement required for testing including its transportation cost to test laboratories. The cost of tests shall be born by the contractor.

11.5 The day to day actual issue/receipt and consumption of cement on work shall be regulated and proper accouts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per the procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.

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

11.7 The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

Particular Specifications FOR BITUMINOUS WORKS

1. GENERAL

1.1 The work, in general shall be executed as per the description of item, drawings, particular specifications & special conditions attached, MORT&H specifications for road and bridge works (Fifth revision) 2013, CPWD specifications 2019 vol. I & II, relevant IRC codes and IS specifications with correction slips issued upto the date of receipt of tender. Where the aforesaid provisions and conditions are silent, relevant specialized literature and manufacturers' specifications shall be followed for the execution of work

1.2 In case of discrepancy between the schedule of quantities, the specifications and/or the drawings; the following order of precedence will be followed: -

(i) Description of item in Schedule of Quantities

(ii) Particular specifications and special conditions.

(iii) Drawings.

(iv) MORT&H specifications for road and bridge works (Fifth revision) 2013 with correction slips issued upto the date of receipt of tender.

(v) IRC/ASTM Specifications.

(vi) CPWD specifications 2019 vol. I & II with correction slips issued up to the date of issue of tender.

(vii) Indian Standard Specifications of B.I.S.

1.3 The contractor shall, at his own cost, construct, equip and establish a testing laboratory at site with necessary apparatus, instruments and equipments such as weighing scale, graduated cylinder, standard sieves, cube moulds, etc. and engage the experienced technical staff for conducting day to day tests and to ensure that material conforming to prescribed standard only are used in the work. The Engineer-in-Charge reserves right to conduct field tests to ensure that the quality is consistent with the prescribed specifications. If any material of end product is found defective or substandard, the same will have to be replaced/redone at the cost of contractor.

1.4 The necessary tests shall be conducted in the laboratory of CPWD, Assam Engineering College Guwahati or IIT Guwahati or any other laboratory approved by the Engineer-in-charge.

1.5 The contractor or his authorised representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorised representative is not present or does not associate himself, the result of such tests and consequences there upon shall be binding on the contractor.

1.6 The work shall be executed mechanically unless otherwise directed by Engineer-in-Charge. All dismantled unserviceable material unless otherwise stated shall be the property and liability of the contractor who will take it away from the site of work and the rates quoted in tender document shall deemed to have included credit of rates for the same. The decision regarding unserviceability of material will rest, however, with Engineer-in-Charge.

1.7 The job mix of any item required shall be got designed by the contractor from Assam Engineering College Guwahati, IIT Guwahati or any other GovtEngg. College and approved any lab by the competent authority of CPWD/Engineer-in-Charge. Its cost shall be borne by the contractor. The mix shall be designed in such a proportion that minimum laboratory density of 2.2 gm/cm³ for Bituminous Macadam, 2.3 gm/ cm³ for Dense Bituminous Macadam and 2.36 gm/ cm³ for Dense Bituminous concrete is achieved. The contractor shall follow the instructions contained in Clause 507.3.3 and 507.3.4 for D.B.M. and Clause 509.3.3 and 509.3.4 for D.B.C. of MORTH Specifications strictly and provide all necessary details as specified there in. **In case, the job mix already got designed recently (not older than One Month) from any of above Institution is available, it can be allowed by the Engineer-in-Charge with a condition that material should be procured form the same quarry/source.**

2. BITUMINOUS WORK

2.1 TACK COAT

The work shall consist of application of single coat of low viscosity liquid bituminous material to an existing Roads surface preparatory to another bituminous construction over it. The binder used for tack coat shall be bitumen emulsion (medium setting) as specified in nomenclature of item. The work shall be done strictly in accordance with clause 503 and sub clause thereto of MORTH specifications for Roads & Bridge work.

2.2 BITUMINOUS MACADAM

The work shall consist of constructing a single layer of specified compacted thickness of bituminous concrete consisting of crushed stone aggregate mixed with bituminous binder to serve as wearing course laid immediately after mixing on a previously prepared base in accordance with the requirements of specifications as laid down in clause 504 and sub-clauses thereto of MORT & H Specifications For Road & Bridge works (Fifth revision) 2013 and as directed by Engineer-in-Charge.

2.2.1 MATERIAL

2.2.1.1 BITUMEN

Bitumen shall conform to grade and quantity as specified in nomenclature of item.

2.2.1.2 AGGREGATE

Aggregates shall consist of crushed stone aggregate conforming to grading & specifications as laid down in paras 504.2.2. To 504.2.5 of Latest MORTH specifications No natural aggregate or sand shall be allowed.

2.3 DENSE BITUMINOUS MACADAM (DBM)

The work shall consist of constructing one or more layers of specified compacted thickness of dense bituminous macadam consisting of crushed stone aggregate mixed with bituminous binder to serve as base course laid immediately after mixing, on a previously prepared base in accordance with the requirements of specifications as laid down in clause 507 and sub-clauses thereto of MORT&H specifications for Road & Bridge works (Fifth revision) 2013 and as directed by Engineer-in-Charge.

2.3.1 MATERIAL

2.3.1.1 BITUMEN

Bitumen shall conform to grade VG-30 and quantity as specified in nomenclature of item.

2.3.1.2 AGGREGATE

Aggregates shall consist of crushed stone aggregate conforming to grading & specifications as laid down in sub-clause 507.2.2 to 507.2.5 of MORT&H specifications for Road & Bridge work (5th Revision) 2013. No natural aggregate or sand shall be allowed.

2.3.1.3 FILLER

Filler shall consist of hydrated lime of grade & specification conforming to clause 507.2.4 of MORT&H specifications.

2.4 BITUMINOUS CONCRETE

The work shall consist of constructing a single layer of specified compacted thickness of bituminous concrete consisting of crushed stone aggregate mixed with bituminous binder to serve as wearing course laid immediately after mixing on a previously prepared base in accordance with the requirements of specifications as laid down in clause 512 and sub-clauses thereto of MORT & H Specifications For Road & Bridge works (Fifth revision) 2013 and as directed by Engineer-in-Charge.

2.4.1 MATERIAL

2.4.1.1 BITUMEN

Bitumen shall conform to grade and quantity as specified in nomenclature of item.

2.4.1.2 AGGREGATE

Aggregates shall consist of crushed stone aggregate conforming to grading & specifications as laid down in sub-clause 512.2.2 to 512.2.5 of MORT & H Specifications For Road & Bridge works (Fifth revision) 2013. No natural aggregate or sand shall be allowed.

2.4.1.3 FILLER

Filler shall consist of hydrated lime of grade & specification conforming to clause 512.2.4 of MORT & H Specification.

2.5 DENSE BITUMINOUS CONCRETE

The work shall consist of constructing a single layer of specified compacted thickness of dense bituminous concrete consisting of crushed stone aggregate mixed with bituminous binder, to serve as wearing course, laid immediately after mixing on a previously prepared base in accordance with the requirement of specification as laid down in clause 512 and sub-clause thereto of MORTH specifications for Roads & Bridges works (5th Revision), 2013 and as directed by Engineer-in-Charge.

MATERIAL

(i) BITUMEN

Bitumen shall conform to grade and quantity as specified in nomenclature of the item.

2.5.1 AGGREGATE

Aggregate shall consist of crushed stone aggregate conforming to grading & specification as laid down in sub clause 509.2.2 to 509.2.5 of MORTH specification for Roads & Bridges works (5th Revision), 2013. No natural aggregate or sand shall be allowed.

FILLER

Filler shall consist of hydrated lime confirming to specification & grade as specified in clause 507.2.4 of MORTH specifications 2013.

2.6 BITUMEN MASTIC WEARING COURSE

The work shall consist of constructing in a single layer of 25mm/40mm thick Bitumen Mastic wearing course for road and bridge deck. The Bitumen Mastic shall be laid over a Dense Bituminous Macadam base/existing base, as directed, in case of road pavement and over a Cement Concrete base in case of bridge deck. The work is to be done as per IS 5317-1987 and clause 515 of MORTH specifications for Roads & Bridges (5th Revision), 2013. The contractor shall have to use Spot Mix Plant (mastic cooker) installed, within workable reach, at site of work.

2.7 Specification for Bitumen Grade – CRMB – 60

IS 15462 : 2004

Characteristics	Grade and Requirements			Method of Test, Ref. to	
	CRMB – 50	CRMC – 55	CRMB – 60	IS No.	Annex.
Penetration at25 Deg. C, 0.1 mm 100 g, 5s	<70	<60	<50	1203	-
Softening Point, (R&B), Deg. C Min.	50	55	60	1205	-
Flash Point, COC, Deg. C Min.	220	220	220	1209	-
Elastic recovery of half thread in ductilometer at 15 Deg. C, percent Min.	50	50	50	-	A
Separation, difference in softening point (R&B) Deg. C Max.	4	4	4		B
Viscosity at 150 Deg. C Poise	1-3	2-6	3-9	1206 (Part-I)	-
Thin film oven test and test on residue: a. Loss in mass, percent Max.	1.0	1.0	1.0	9382	-
b. Increase in softening point, Deg. C Max.	7	6	5	1205	-
c. Reduction in penetration of residue, at 25 Deg. C, percent Max	40	40	40	1203	-
d. Elastic recovery of half thread in ductilometer at 25 Deg. C, percent Min. or.	35	35	35	-	A

SEPARATION TEST

Scope: The separation of modifier and bitumen during hot storage is evaluated by comparing the ring and ball softening point of the top and bottom samples taken from conditioned, sealed tube of polymer-modified bitumen. The conditioning consists of placing a sealed tube of modified bitumen in a vertical position at 163 ± 5^0C in an oven for a period of 48 hours.

Modified bitumen's relative stability to separation under storage in static conditions is determined in heated oven storage without agitation.

Apparatus:
Aluminum Tubes – 25.4 mm (1 in.) diameter and 136.7 mm (5.5 in.) length blind aluminum tubes, used to hold the test sample during the conditioning.
Oven, capable of maintaining 163 ± 5^0C.
Freezer, capable of maintaining –6.7 ± 5^0C.
Rack, capable of supporting the aluminum tubes in a vertical position in the oven and freezer.
Spatula and Hammer: - The spatula must be rigid and sharp to allow cutting of the tube containing the sample when at a low temperature.
Procedure: Place the empty tube, with sealed end down in the rack. Heat the sample carefully until sufficiently fluid to pour. Care should be taken to prevent localized over-heating. Pass the molten sample through IS 600 micron sieve. After thorough stirring, pour 50.0g into the vertically held tube. Fold the excess tube over two times, and crimp and seal.

Place the rack containing the sealed tubes in a 163 ± 5^0C oven. Allow the tubes to stand undisturbed in the oven for a period of 48 ± 4 hour. At the end of the period, remove the rack from the oven, and place immediately in the freezer at –6.7 ± 5^0C, taking care to keep the tubes in a vertical position at all times. Leave the tubes in the freezer for a minimum of 4 hours to solidify the sample completely.

Upon removing the tube from the freezer, place it on a flat surface. Cut the tube into three equal length portions with the spatula and hammer. Discard the center section, and place the top and bottom portions of the tube into separate beakers. Place the beakers into a 163 ± 5^0C oven until the bitumen is sufficiently fluid to remove the pieces of aluminum tube.

After thoroughly stirring, pour the top and bottom samples into appropriately marked rings for the ring-and-ball softening point test. Prepare the rings and apparatus according to Test Method IS 1205. The top and bottom samples from the same tube should be tested at the same time.
Report – Report the difference, in ^{0}C, between the softening points of the respective top and bottom samples as average of three specimens.

ELASTIC RECOVERY TEST
Scope: The elastic recovery of modified bitumen is evaluated by comparing recovery of thread after conditioning for 1 hour at 15^0C and the specimen is elongated upto 10 cm deformation in a ductility machine. This is intended to assess degree of bitumen modification.
Significance & Use: This test is intended to optimise dose of polymeric additive in bitumen and help in assessing quality of CRMB.
Apparatus:
Ductility Machine – AS per IS 1208:1978.
Thermometer – An ASTM 63^{0}C thermometer or any other standard thermometer of equivalent range shall be used.
Scissors – Any type of conventional scissors capable of cutting modified bitumen at the test temperature.
Scale – Any transparent scale capable of measuring up to 25 cm with ± 1 mm accuracy.
Procedure:
Prepare the test specimens and condition as prescribed in Test Method IS 1208. Elongate the test specimen at the specified rate to a deformation 10 cm at a rate of 5 ± 0.25 cm/minute. Immediately cut the test specimen into two halves at the midpoint using the scissors. Keep the test specimen in the water bath in an undisturbed condition for 1 hour at specified temperature.

After the 1hour time period, move the test specimen back into position near the fixed half of the test specimen so the two pieces of modified bitumen just touch. Record the length of the recombined specimen as X.
Report – Calculate the percent/elastic recovery by the following procedure.

$$\text{Elastic Recovery (\%)} = \frac{10-X}{10} \times 100$$

CONDITION FOR PROCUREMENT AND ACCOUNTING OF BITUMEN:-

1. The contractor shall procure bitumen of required grade as specified confirming to IS: 73-1992 with upto date amendments and other relevant codes from the manufactures of repute like Indian Oil Corporation Ltd., Hindustan Petroleum, Govt. of India and holding license to use ISI certificate mark for their products.

2. MODE OF PROCUREMENT:

2.1 Bitumen/Bitumen emulsion for tack coat shall be brought at site in sealed drums only bearing following marking (legible)

(i) Name of Manufacturers.
(ii) Gross Wt.,Net Wt. And Tare Weight.
(iil) Month and year of Manufacture.
(iv) Use before_____(date)
(v) Type and Grade.
(vi) Batch Number.
(vii) "ISI" Certification and Standard Mark.
(viii) Name of Contractor/Supplier.
(ix) Serial No. & Total Nos. of drums in each batch.

2.2 For providing bituminous surface like BM, DBM, etc., the bitumen shall be procured either in sealed drums or in bulk and stored at the hot mix plant site. The drums/container shall bear the marking as mentioned in para-2.1 above.

2.3 The contractor will produce original challan/voucher for purchase of bitumen and emulsion from **IOCL/HPCL/BP/HINCOL** as a proof of having purchased the material form manufacturer. The voucher/challan shall be returned to the contractor after verification and making necessary endorsement.

2.4 Bitumen of specified grade shall be brought to plant site in one lot for theoretical requirement upto 100 tonnes and in lots of 100 tonnes or more for theoretical requirement of more than 100 tonnes. The day to day receipt and issue accounts of bitumen shall be maintained by the junior Engineer in charge and signed daily by the contractor or his authorised agent on the following proforma:-

PROFORMA FOR THE BITUMEN REGISTER RECEIPT

Date of Receipt	Qty. Received.	Progressive Total.	Date of Issue	Qty. Issued.	Total Issued	Balance in hand	Cont.'s initial	JE's initial
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**

Item of Work for Which issued	Appx. Qty. of work done on each day	Theoretical 88fulfillment of bitumen for work done on each day?	Remarks	Initial of AE/AEE/EE Ex. Eng.
10	**11**	**12**	**13**	**14**

2.5 When bitumen is issued /brought in drums, the same shall be stacked in fenced enclosures to be provided by the contractor at his own cost, as directed by the Engineer-in-Charge on one side of the roadway. The contractor shall be responsible for the watch & ward and safety of bitumen. The contractor shall facilitate the inspection of bitumen stockyard by the Engineer-in-Charge or his representative at any time.

2.6 Material shall be kept in the joint custody of the contractor and the representative of the Engineer-in-charge. The empty containers shall not be removed from the site of work till the relevant item of work has been completed and permission obtained from the Engineer-in-Charge. No heating of bitumen in drums for any purpose whatsoever shall be allowed.

SAMPLING AND TESTING

3 The contractor shall have to obtain and furnish test certificate issued by manufacturer to the Engineer-un-Charge in respect of bitumen procured by him. The samples shall be collected at discretion of Engineer-in-Charge and got tested as per provisions of IS:73/MORTH/CPWD specification from the laboratories approved by him.

The contractor shall supply free of charge, the bitumen required for testing. The cost of specimen sample shall be borne by contractor.

In case the test result indicate that the bitumen procured by the contractor does not Conform to the relevant BIS codes/specification, the same lot shall rejected and shall be removed from the site of work by the contractor at his own cost within a week's time of written order from Engineer-in-Charge to do so.
The bitumen content in bituminous mix shall be checked by conducting the bitumen extraction test

Conforming to IRCII at regular interval on the completion of work, the actual consumption of bitumen shall be worked out based on such test results. The theoretical consumption shall be worked out based on the design mix formula and the actual consumption (based on extraction test as well as MAS account) if found less than theoretical one, the recovery shall be made from contractor for less use of bitumen. However, nothing extra shall be paid if actual consumption so worked out is higher than theoretical consumption. This is without prejudice to action under relevant clause of the agreement.

Bitumen brought to site/Hot Mix Plant and bitumen remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

NOTE:- Nothing extra shall be paid for cartage of bitumen to the site of work.

SPECIFICATIONS FOR THERMOPLASTIC PAINT

Hot applied Thermoplastic Road Marking Paint.

A. Thermoplastic Paint Material.

a. The paint material shall confirm to section 803.4 of MORTH specification (5th Revision), 2013 including the amendments made till the date of issue of the tender.

b. The Paint material shall be obtained only form the reputed manufacturers of thermoplastic road marking paint such as, CBM, S.N. Industries or any other Manufacturer approved by Engineer-in-Charge having monthly production capacity of 1000 MT and registered with Directorate of Industries of India with In House Quality Assurance facility.

B. Application

The road marking shall be done as per the conditions laid down in section 803.6 of MORTH specifications (5th Revision), 2013 including the amendments made till the date of issue of the tender.

Minimum Quality Assurance Plan (for the work costing more than 10 lac)

1. Tests as per **Annexure-A** of NIT which are mandatory as per CPWD specification 2019 Vol I & II are to be carried out by the contractor. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred if not mentioned in the annexure mentioned above.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor as per Annexure requirement of Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should be submitted by the contractor to the site staff before start of the work.
3. Field laboratory is required if necessary for this work then testing equipments to be arranged by the contractor are mentioned **Annexure B** of NIT If field lab is to be setup by the Department then contractor may be allowed for conducting the test there.
4. Maintenance of Register of Tests -

(i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge at the time of issue of award letter.

(ii) All Samples of materials including Cement Concrete Cubes shall be taken by Contractor jointly with JE in charge of work and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by contractor in presence of AE in charge of work. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site. The material used in the work shall be as per the list of approved material mentioned in **Annexure-C.**

(iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor in presence of JE-in-charge and at least 50% of tests in presence AE-in-charge. At least 10% of tests shall be carried out in presence of Executive Engineer.

(iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be presented before JE/AE/Divisional Engineer for their review.

(v) Contractor shall be responsible for safe custody of all the test registers.

5. It is mandatory to the contractor to submit copy of all test registers, Material at Site Register and hindrance register along with each alternate Running Account Bill and Final Bill. These registers shall further be checked by AE in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

   If all the test registers and hindrance register is not submitted by contractor along with each alternate R/A Bill & Final Bill, no payment shall be released to the contractor.

6. Maintenance of works Registers -

   (i) All the Registers including MAS, Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge along with the award letter.

   (ii) The contractor shall get 100% test checked by JE or by AE if there is no JE after each entry of receipt of material at site in MAS register.

   (iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If JE is not available then MAS register must be checked by AE at least twice a week.

   (iv) Cement register shall be got reviewed by Divisional Engineer at least once in a month.

(Annexure-B)

Field Testing Instruments

1. Steel tapes – 3m
2. Vernier calipers
3. Micrometer screw 25mm gauge
4. A good quality plumb bob
5. Spirit level, minimum 30cms long with 3 bubbles for horizontal vertical
6. Wire gauge (circular type) disc
7. Foot rule
8. Long nylon thread
9. Magnifying glass
10. Screw driver 30cms long
11. Ball pin hammer, 100 gms
12. Plastic bags for taking samples
13. Balances
    (i) 7 kg. to 10 kg. capacity, semi self-indicating type –accuracy 10gm.
    (ii) 500 gm. Capacity, semi-self-indicating type – accuracy 1 gm.
    (iii) Pan balance – 5 Kg. capacity – accuracy 10 gms.
14. Ovens (if required)-electrically operated, thermostatically controlled upto 110°C – Sensitivity 1°C.
15. Sieves: as per IS 460-1962 (if required)-.
    (i) I.S. sieves – 450mm internal dia, of sizes 100mm, 80mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm, 4.75mm, complete with lid and pan.
    (ii) I.S.. sieves – 200 internal dia (brass frame) consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns, with lid and pan.
16. Sieve shaker capable of 200mm and 300mm dia sieves, manually operated with timing switch assembly.
17. Equipment for slump test (if required)-slup cone, steel plate, tamping rod, steel scale, scoop.
18. Dial gauges (if required)-, 25mm travel – 0.01 mm/division least count – 2nis.
19. Graduate measuring cylinders 200ml capacity – 3 nos.
20. Enamel trays (for efflorescence test for bricks).
    (i) 300mm x 250mm x 40mm - 2 nos.
    (ii) Circular plates of 250mm dia – 4 nos.

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

The Agreement made this ..... day of ..... two thousand and .....between..... son of .....of..... (hereinafter called the Guarantor of the one part)and the PRESIDENT OF INDIA (hereinafter called Government of the other part).

WHEREAS this agreement is supplementary to a contract (hereinafter called the Contract) dated..... and made between the GUARANTOR of the one part and the Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be **five years** to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

14.1 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;

14.2 Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts;

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

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found, render the building water-proof 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 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 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 GUARANTOR fails to execute the water proofing or commits breach there under 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 the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and/or damage and/or cost incurred by the Government the decision of the Engineer-in-Charge will be final and binding on the parties.

IN WITNESS WHEREOF 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

LIST OF MATERIALS OF PREFERRED MAKE

EXCEPT MATERIALS WHICH DETAIL ALREADY GIVEN IN ITEMS

(FOR CIVIL WORKS)

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

Sr. No.	Material Description	Material	
		Brand	Make
1	Ordinary Portland Cement (43 grade)	ACC	ACC cements Ltd
		Ultra Tech	Ultra Tech Cement Ltd.
		Birla	Birla Corporation Ltd
		Dalmia	Dalmia Cement Bharat Ltd
		Jaypee Cement.	Jaypee Cement Ltd
		J.K.Cement	J.K. Cement Pvt. Ltd.
		Ambuja Cement	Ambuja Cements Ltd. -
		Century Cement	Birla Gold Cement
		STAR cement	Star cement Ltd.
		Topcem Cement	Meghalaya Cement Ltd.
		TAJ CEMENT	M/s Hills Cement Company Limited.
		Max Cement	Green Valley Industries Limited
2	TMT bars Fe-500D	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL Ltd
		VIZAG	RastriyaIspat Nigam Ltd.
		JSW	JSW Steel Ltd
		Jindal	Jindal Steel & Power Ltd.
3	Adhesive	Sika	Sika India Pvt. Ltd
		Fevicol	Pidilite Industries
		Dunlop	Dunlop
4	AAC Blocks	Xtralite	UITRATECH Cement Ltd
		Brikolite	Brikolite AAC Blocks
		Superlite	Superlite Jointing Pvt. Ltd.
		Powerlite	Powerlite AAC Blocks
5	Wooden flush door Shutters	Jayna Flush Doors	Jain Wood Industries
		DuroFlushdoors	Duro Ply Industries Ltd.
		Century	Century Flush Doors
		A.B. woodtech	A.B. woodtech Pvt. Ltd.
		Doorking	Door King
		Greenlam	Greenlam
6	Water Proof Plywood, Commercial ply, Fire retardant ply and block boards	Green Ply	Green ply Industires Ltd.
		Duroply	Duro Ply Industries Ltd.
		Archidply	Archid ply industries Ltd.
		Century ply	Century Flush Doors
7	Laminate	Green Lam	Green lam Industries Ltd.
		Century	Century laminates
		Merino	Merino laminates
		Archidply	Archid ply industries Ltd.
		Sunmica	Sunmica Industries
		Formica	Formica Laminates (India) PvtLtd.
		Decolam	Decolam India Pvt. Ltd.

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE

8	Prelaminted particle board exterior grade	Novapan	GVK Novapan Industries Pvt Ltd.
		Archid ply	Archid ply industries Ltd.
		Century	Century MDF Ltd
		Green Lam	Green lam Industries Ltd.
9	High Denisty (HDF) Prelaminated board	Green Ply	Green ply Industires Ltd.
		Novapan	GVK Novapan Industries Pvt Ltd.
		Green Lam	Green lam Industries Ltd.
10	Gypsum board	Gyprock Saint Gobain	Saint GobainGyprock India Ltd.,
		Armstrong	Armstrong wood Industries
		USG	USG
11	Glass door hardware	Hafele	Hafele India Pvt. Ltd
		Ozone	Ozone Hardware.
		Dorma	Dorma
		Godraj	Godraj
12	Locks & Latches	Godrej	Godrej locking solutions & systems
		Hafele	Hafele India Pvt. Ltd
		Harrison	Harrison locks
		Kodia	V.P.Industires, Aligarh
13	UPVC doors, door frames and windows	Fenesta	Fenasta DCM Shriman
		KOMMERLING	Profile India Window Technology Pvt. Ltd.
		Duroplast	DuroPlast Window Extursion Pvt. Ltd.
		Prominance	PWDS Extrusion Private Ltd.
		Rajshri Plastiwood	Rajshri Plastiwood
14	PVC Doors and frames	Sintex	Sintex plastic technology Ltd,
		Duroplast	Duroplast extrusion Pvt Ltd
		Rajshri	Rajshri Productions Pvt. Ltd.
15	Float Glass	Saint Gobain	Saint Gobain India Pvt.Ltd. ,
		Asahi	Asahi India glass .Ltd.
		Modiquard	Gujarat Guardian Ltd.
16	Reflective Glass	Saint Gobain	Saint Gobain India Pvt .Ltd.
		Asahi	Asahi India qlass .Ltd.
		Modifloat	Gujarat Guardian Ltd.
17	Tempered reflective/ clear glass	Saint Gobain	Saint Gobain India Pvt .Ltd.
		Asahi	Asahi India glass Ltd,
		Modiquard	Gujarat Guardian Ltd.
18	Vitrified tiles	NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		JOHNSON	Prism Johnson Ltd
		VarmoraGranito	VarmoraGranito Granite Pvt. Ltd
		Orient bell	Orient bell limited
		VARMORA	VARMORA GRANITO PVT. LTD
		QUOTE	QUOTE
19	Glazed Ceramic tiles (Also wall tiles)	NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd.
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		JOHNSON	Prism Johnson Ltd

		Varmora Granito	Varmora Granito Granite Pvt. Ltd
		Orient bell	Orient bell limited
		QUTONE	QUTONE
20	Floor Spring	OZONE	Ozone Hardware.
		DORMA	DormaPvt Ltd.
		Godrej	Godrej & Boyce
21	Vitrified paving tiles	PAVIT	PAVIT ceramics Pvt Ltd.
		NITCO	NITCO Tiles & Marbles
22	UPVC Pipes and fittings (Rain water pipes)	Supreme	Superme Industries Ltd.
		Prince	Prince pipes and fittings Ltd.
		Finolex	Finoles Industries Ltd.
		Skipper	Skipper Limited.
23	False Ceilings	Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd.
		Armstrong	Armstrong World Industries
		Saint GobainGyproc	Saint GobainGyproc India
		HunterDouglas	HunterDouglas
		Diamond Ceilings	Diamond International InexPvt Ltd
		ANAKON	Vanya Marketing (P) Ltd.
24	False Ceiling Grids Line System (Perimeter, Ceiling section, intermediates, angles etc,)	Armstrong	Armstrong World Industries
		Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd.
		Saint Gobain	Saint GobainGyproc
		HunterDouglas	HunterDouglas
		Diamond Ceilings	Diamond International InexPvt Ltd
25	Synthetic enamel paint	Premium gloss enamel	Asian paint Ltd
		Dulex	ICI dulex Ltd
		Nerolac	Nerolac Paints Ltd
		Berger	Berger Paints
26	Pink Primer	Wood primer	Asian paint
		Nerolac	NerolacKansiaNerolac Paints Ltd.,
		Berger	Berger Paints
27	Red Oxide Zinc Chromate Primer	High performance yellow metal primer	Asian paint
		Dulex	ICI dulex
		Nerolac	Nerolac
		Berger	Berger Paints
28	Oil Bound Distemper	Tractor Aqalock	Asian paint
		Dulux (Maxilite)	Dulux
		Nerolac	Nerolac paints
		Berger (Bison)	Berger Paints
		J & N Painto	
29	Premium Acrylic emulsion Interior	Apcolite Premium emulsion	Asian paint
		Dulux (Super Cover)	ICI Dulux
		Nerolac (Beauty Gold)	Nerolac
		Rangoli Premium emulsion	Berger Paints
30	Water Proof Cement Paint	Asian exterior wall primer	Asian paint
		Berger	Berger Paints

		ICI DULUX	ICI DULUX
		J & N Paints	Jenson & Nicholson Pvt. Ltd.
		Snowcem	Snowcem India Pvt. Ltd.
31	Premium Acrylic smooth exterior paint with silicon additives	Apex	Asian paint
		Weather Shield	ICI dulux
		Nerolac Excel	Nerolac
		weather coat	Berger
32	100% Premium Acrylic smooth exterior paint with silicon additives	Apex Ultima	Asian paint
		Weather Max	ICI dulux
		Nerolac Excel total	Nerolac
		weather coat all guard	Berger
33	Cement based wall putty	J.K.wall putty	J K. Cement Ltd.
		Birla wall care	Birla Cements Ltd.,
34	Melamine Polish	Asian paints	Asian paints
		Berger	Berger paints India Ltd.
		Dulux	ICI dulux
35	Fire retardant paint	Hilti	Hilti India
		Asian Paints	Asian Paints
36	Cement Primer	Asian paints	Asian paints
		Berger	Berger paints India Ltd.
37	Epoxy Paint	Asian epoxy	Asian paints
		Berger	Berger paints India Ltd.
		Nerolac	Nerolac
38	Mirror	Modi Guard	Gujarat Guardian Ltd.
		Saint Gobain	Saint Gobain Glass India Ltd.,
		AIS mirror	Asahi India glass Ltd,
		Jolly	Winaco Jolly
39	Vitreous Commodes/ Washbasin	Hindware	HSIL Ltd.
		Roca	ROCA Bath room products
		Parryware	ROCA Bath Pvt. Ltd ,
		Kohler	Kohler world wide
		CERA	CERA Sanitary ware Ltd.,
		Jaquar	Jaquar Group
		Karovita by Kajaria	KajariaCeramix
		GroheNeycer	Neycer Sanitary Wares
40	Flushing Cistern	Parryware	ROCA Bath Pvt. Ltd.,
		Hindware	HSIL Ltd
		CERA	CERA Sanitaryware Ltd.,
		Jaquar	Jaquar Group
41	SWR PVC Pipes & fittings	Supreme	SupermeIndustires Ltd.
		Astral	Astral polytechnik Ltd.
		Finolex	Finolex Industries Ltd.
		Prince	Prince Pipes and fittings
		Skipper	Skipper Limited
42	Stainless Steel Kitchen sink	Nilkanth	Nilkant
		Nirali	Jvoti (India) matel Industries Pvt Ltd.
		Jayna	Jayna
		Cobra	Cobra watertech Pvt. Ltd.
		Kraus	Kraus Co.
		Ruvati	Ruvati Co.
43	Centrifugally Cast (Spun)	Neco	JayaswalNeco Ltd

	Iron Soil Pipes	Bengal Iron Corporation	Bengal Iron Corporation
		Hepco	BinayUdyog Pvt. Ltd
		S.K. Foundry	S.K. Foundry
44	G.I.Pipes	TATA	TATA Steel Ltd.,
		Jindal Hishar	Jindal Pipes Ltd.,
		Bansal	Bansal Poles Pvt. Ltd.
		Unik	Unik Pipe fittings Co.
45	G.I.Pipes Fittings	Zoloto	Zoloto Industries
		Unik	Unikmalleables
		R- Brand	R-Brand Co.
46	Water Supply Valves	Zoloto	Zoloto Industries
		leader	leader valves Ltd..
		R B	Arco valves Pvt. Ltd.,
		STUD	Nanda Miller company
47	CPVC Pipes and fittings	Supreme	Supreme Industries Ltd.
		Finolex	Finolex Industries Ltd.
		Astral	Astral Polytechnik Ltd.,
		Prince	Prince Pipes and finttinqs Ltd,.
		Truflo	Hindware pipe & fittings
		Birla Aerocon	HIL Ltd.
		Ashirwad	Ashirwad PVC Pipes
		Flowqaurd	Flowquard
		Skipper	Skipper Limited
48	DI Pipes	Electrosteel	Electrosteel
		Kapilansh	Kapilansh
		Keshoram	Keshoram
49	DI Fittings	Electrosteel	Electrosteel
		Kapilansh	Kapilansh
		Keshoram	Keshoram
50	Water supply fixtures like bibcock, shower panels	Jaquar	Jaquar Group
		Parryware	Roca bath room products Pvt. Ltd,
		Kingston	Kinqston brass India
		Johnson	Prism Jhonson Ltd
		Hindware	HSIL Ltd.
		Neycer	Spartek group company
		Kohler	Kohler Co.
		Roca Kerovit	Kajaria Group
		Bath sense	Asian Paints
51	Centrifugally (spun) Cast Iron	Kesoram	Kesoram Industries Ltd
		Electrosteel	Electrosteel castings Ltd.
		Neco	JayaswalNeco Ltd
		Bengal Iron Corporation	Bengal Iron Corporation
52	Spun Cast Iron Fittings	Kesoram	Kesoram Industries Ltd
		Electro steel	Electro steel castings Ltd.
		Neco	JayaswalNeco Ltd
		Benqal Iron Corporation	Benqal Iron Corporation
53	CI double flanged non return valve	Zoloto	Zolota Industries
		Leader	Leader valves Ltd.
		Sant	Sant

54	Gun metal Valves	Zoloto	Zolota Industries
		Leader	Leader valves Ltd.
		Sant	Sant
55	RCC Pipes	Indian Hume Pipe	Indian Hume Pipe Ltd.,
		Madurai spun pipe	Madurai spun pipe company
		Lakshmi Sood&Sood	Lakshmi Sood&Sood Pipe Co.
		Jain & Co	Jain spun pipes Co.,
56	CI Manhole cover	Neco	JayaswalNeco Ltd.
		Bengal Iron Corporation	Bengal Iron Corporation
		KK	KK Manhole and qratinqs Co Pvt Ltd.,
		RIF SKF	RIF SKF
57	Spun Cast Iron Covers & gratings	Neco	JayaswalNeco Ltd
		Kapilansh Centrifugal	KapilanshDhatuUdyoq(P)Ltd.
		S.K. Foundry	S.K. Foundry
58	Aluminum doors/Windows section	Hindalco	Hindalco Industries Ltd.,
		Jindal	Jindal Aluminium Ltd.,
		BhagwatiSai	BhagwatiSai Metal Alloys
		Halco	HalcoAluminium extrusion
59	Water Proofing compound	Fosroc	Fosroc India
		Sika	Sika India
		Dr. Fixit	PidiliteIndustires
		Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
60	Membarane Water proofing system	Dr. Fixit	PidiliteIndustires
		Fosroc	Fosroc India
		Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
61	Chemical Water Proofing system	Sika	Sika India
		Dr. Fixit	PidiliteIndustires
		Fosroc	Fosroc India
		Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
62	PVC Perforated Pipes	Finolex	Finolex pipes
		Supreme	Supreme Industries
		Prince	Prince piping system
63	Readymade Gypsum Plaster	Gyproc Cute 100	Gyproc India
		Kanish Plaster	Kanish Plaster
64	Epoxy	Ultra tech	Ultra tech cements Ltd.
		ArdexEndura	ArdexEndura Ltd.
		Dr. Fixit	PidiliteIndustires
		Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
65	Steel Windows/ Pressed Steel Frames	Madhu Industries.	Madhu Industries,
		San Harvic,	San Harvic
		Steel Plast	Steelplast Machines
66	PVC Door Frames & Shutters	Rajshri	Rajshri Productions Pvt. Ltd.
		Sintex	Sintex plastic technology Ltd,
		Jayna	Jayna
67	Non Metalic Floor Surface Harners	FOSROC	Fosroc India
		Pidilite	Pidilite Industries Ltd,
68	Precoated G.I Profile Sheets	Durashine	Tata buescope Steel

		Dyna roof	Dyna roof Pvt. Ltd.
		Shrishti roof	Shrishti roofing
		Mega roof	Mega roof solution
69	HDPE Pipes	Supreme	Supreme Industries
		Texmo	Texmo Pipes & products Limited
		Jain	Jain Irrigation systems Limited
		Dura-line	Dura-line
		Skipper	Skipper Limited
70	C.I. Hubless Pipe	Neco	JayaswalNeco Ltd
		Hepco	BinayUdyog Pvt. Ltd
		BIC	Bengal Iron Corporation
71	Urinal Partition	Greenlam, Milasa, Fundermax, Trepsa	Greenlam, Milasa, Fundermax, Trepsa
72	Curtains	Reliance, D-Décor, Raymond,	Reliance, D-Décor, Raymond
73	Wall paneling	Armstrong, Hilux or equivalent	Armstrong, Hilux
74	WPC Board	Alstone, Anutone or equivalent	Alstone, Anutone or equivalent
75	Wooden Fire Door	Navair, Sukri, Promate	Navair, Sukri, Promate
		Bhawani Fire	Bhawani Fire Protection Private Limited.
76	Prelaminated MDF Board	Green, Marino, Veer, Century, Action tesa	Green, Marino, Veer, Century, Action tesa
77	FRP Doors & Frames	Ashoo Model Arts, Salectual Product Co. Fiber waves and JAYNA, Jain wood Industries.	Ashoo Model Arts, Salectual Product Co. Fiber waves and JAYNA, Jain wood Industries.
78	Tile Adhesive	CICO, PIDILITE FERROUS, FOSROC/CHOKSEY, MYK Laticrete, Kajaria	CICO, PIDILITE FERROUS, FOSROC/ CHOKSEY, MYK Laticrete, Kajaria
		Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
79	Structural Steel sections	Tata, Jindal, SAIL, Appolo, Kamdhenu	Tata, Jindal, SAIL, Appolo, Kamdhenu spat Ltd.
80	Stainless Steel Railing	Jindal S.S Ltd., SAIL, TATA, Kamdhenu	Jindal S.S Ltd., SAIL, TATA, Kamdhenu
81	Hermitically Sealed Performance glass & Toughened glass	Saint Gobin, Asahi, Pilington, Viracon (Processed by theme or their approved Proccessors).	Saint Gobin, Asahi, Pilington, Viracon (Processed by theme or their approved Proccessors).
82	Hydraulic Door Closure/Floor spring	Hardwyn, Godrej, Dorma, Hafele	Hardwyn, Godrej, Dorma, Hafele
83	Aluminum Extruded Profile	Hindalco, Jindal, Indalco, Halco	Hindalco, Jindal, Indalco, Halco
84	Tempered Glass	Modi Float, Saint Gobain, ASAHI, Galverbel	Modi Float, Saint Gobain, ASAHI, Galverbel
85	CC Paver	NICTO, TUFTEK/KK Pvt Ltd/Hindustan Tile	NICTO, TUFTEK/KK Pvt Ltd/Hindustan Tile
86	Soil wast& Vent pipes and fittings (a) Centrifugal Cast iron pipes	NECO, RIF, SKF, HIF, Kapilansh	NECO, RIF, SKF, HIF, Kapilansh
87	LA (CI) Pipes	Electro Steel, Kesoram	Electro Steel, Kesoram
88	Butterfly Valves	Audco, Zoloto, kirloskar	Audco, Zoloto, kirloskar
89	SS Auto close Hinges	Hettich, Earl-Bihari	Hettich, Earl-Bihari
90	C.P Brass Fittings	Jaquar (Continental series), Kohler, Grohe, Kingston, Hindware, Parryware	Jaquar (Continental series), Kohler, Grohe, Kingston, Hindware, Parryware
		XEN	Flora Steels Pvt. Ltd

91	PTMT Fittings	Prayag	Prayag
92.	Anchor/SS Stone Cladding clamps / Dash Fastener	Hlti	Hilti India Pvt. Ltd
		Fischer	Fischer India
		Anchor	Anchor Ltd
		Nutech	
		Canon	Cannon
		Wurth	Wuerth India Pvt Ltd
		Trixel	Axel India Pvt Ltd
		Helfen	HelfenGmbh
		BOSCH	BOSCH Ltd.
93.	Actactic Polypropylene (APP)	Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
94.	Structure and Weather Sealants	Asian Paints/Asian Paint Smartcare Products	Asian Paints Smartcare products
95.	Pre-Painted Galvanized Roofing Sheet	SPECTRUM	M/s Shalani Roofing Pvt.Ltd
96	Polycarbonate Sheet/ FRP Sheets & doors/ Grating & Accessories	Shiv Shakti Fibre Ugyog	Shiv Shakti Fibre Ugyog

Note:

(a) The contractor shall provide the materials as per the Make or Brand indicated above, any change in the brand mentioned above is to be approved by Engineer-in-charge before taking supply at site

(b) When two or more alternative brands have been mentioned, the brand to be finally used shall be as decided by the Engineer-in-Charge. Nothing extra on this account is payable.

(c) All other items shall be of ISI marked/as per approved sample kept at site of work.

Part - 'C'

SCHEDULE OF WORK

Name of Work: Providing and fixing wall lining with 12mm thick ply and 1 mm thick decorative high pressure laminated sheet at 3rd Floor at CTO **building**, **NELSA**, Shillong, Meghalaya **(**2nd Call)

SLNo	Description	Qty	Unit	Rate	Amount
1	**CONCRETE WORK**				
1.1	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
1.1.1	1.0 mm thick	321.00	Sqm	897.30	2,88,033.00
1.2	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).				
1.2.1	12mm thick commercial ply conforming to IS : 1328 BWR type	321.00	Sqm	1224.65	3,93,113.00
				Total =	**6,81,146.00**
	Add CORRECTION FACTOR ON DSR 2023 ON ACCOUNT OF GST (MF= 0.973)				6,62,755.00
	Add Cost Index on DSR Items @34.58%				2,29,181.00
				Total =	**8,91,936.00**

Compared and checked by me.

Senior Draughtsman(C)
Meghalaya Central Division
CPWD, Shillong-03.

Assistant Engineer- (P)
Meghalaya Central Division
CPWD, Shillong-03.

Approved

Executive Engineer (Meghalaya)
Meghalaya Central Division
CPWD, Shillong-03.

Correction. Nil Deletion. Nil Insertion. Nil Overwriting. Nil Sr.D/Man (C) AE(P) EE