भारत सरकार
GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग
CENTRAL PUBLIC WORKS DEPARTMENT
कार्यालय – सहायक अभियंता, '2/आर' उप–मंडल
OFFICE OF THE ASSISTANT ENGINEER '2/R' SUB-DIVISION

निविदा आमन्त्रण सूचना
NOTICE INVITING TENDER

निविदा सं0	:	**123/2026-27/R-Divn/Delhi**
तकनीकी स्वीकृती सं0	:	**06/AE-2R/T.S./2026-27**
कार्य का नाम	:	**A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**
अनुमानित लागत	:	**रू 5,70,662/-**
अग्रिम राशि	:	**रू 11,413/-**
समयावधि	:	**01 माह**

Percentage Rate Composite Tender (CPWD – **7)**

Mode of Measurement : Electronic Measurement Book (EMB) through CPWD ERP Portal

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Assistant Engineer,
2/R Sub-Division,CPWD,
CGHQ, New Delhi

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निविदा आमन्त्रण सूचना

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This N.I.T. is approved for **Rs. 5,70,662/-** (Rs. Five Lakh Seventy Thousand Six Hundred and Sixty Two Only) Vide **N.I.T No. :- 123/2026-27/R-Divn/Delhi**

Assistant Engineer,
2/R Sub-Division,CPWD,
New Delhi

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

NOTICE INVITING e-TENDERS

The Assistant Engineer '2/R' Sub-Division, CPWD, CGHQ, National Stadium, New Delhi on behalf of President of the 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:- **A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**

NIT No.	**123/2026-27/R-Divn/Delhi**
Estimated Cost Rs.	**5,70,662/-**
EARNEST MONEY Rs.	**11,413/-**
Period of Completion	**One Month**

Last date of online submission of Bid, copy of recipt of deposition of original EMD and other documents as specified in the bid document upto **3:00 PM on 20.11.2026**

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 Electronic Measurement Book (EMB) through CPWD ERP Portal

ASSISTANT ENGINEER,
2/R SUB-DIVISION, CPWD,
CGHQ, NEW DELHI

CHECK LIST FOR BIDDERS WHILE SUBMISSION OF BIDS

1. The bidder should read all the instructions, items & conditions, contract clauses, nomenclature of items, specifications etc., contained in the bids document very carefully, before quoting the rates.

2. The bidder shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department. However, assistance may be provided to the bidder for entry in the site premises for inspection, if requested by the bidder. No payment shall be made on this account.

3. The bidder shall get himself acquainted with nature and extend of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction. No payment shall be made on this account.

4. The bidder shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

5. The bidder should also read the General Conditions of Contract - 2023 (Maintenance work) for CPWD works, published by DG (W), CPWD, Nirman Bhawan, New Delhi which will be a part of the agreement with up to date amendments upto the date of receipt of tenders.

6. The bidder shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing extra shall be payable unless otherwise specified.

7. The bidder shall have to make his own arrangement for housing facilities for staff and labours away from the construction sites and shall have to transport the labours to and from between construction sites and labours camp at his own cost. No labour - huts shall be allowed to be constructed at the project site except a few temporary portable sheds for chowkidars and storekeepers at project site. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

8. Online measurement of works shall be done for payment of works being executed as per general rules and directions through ERP Portal / Module System in Electronic measurement book (EMB)

   Nothing extra shall be paid on this account.

9. Agency shall follow the instruction for generating RFI (request for inspection) and EMB (Electronic measurement book) as per the ERP portal / Module System of CPWD stricitly.

   Nothing extra shall be paid on this account.

10 C.P.W.D Contractor's Labour Regulations:

   Payment of Wages

   (i) Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.

   (ii) All wages shall be paid through bank or ECS or online transfer.

   (iii) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour

(iv) The contractor shall obtain from the junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form:-
"Certified that the amount shown in column No……has been paid to the workman concerned through bank account of labour on……at……."

11 As per introduced clause 7A, no running account bill shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW welfare board whatever applicable are submitted by the contractor to the Engineer-in-charge.

12 (a) The contractor shall also comply with provision of the interstate migrant workman (regulation of employment) and condition of service Act 1979.

(b) Record of manpower generation: The contractor is required to maintain a record of all workmen employed by him for the work vide GCC annexure IV ''Register of workmen employed by Contractor'' It should invariably be checked by field officers and it should cover all workmen including supervisory Highly Skilled, Skilled, Semi-Skilled and Unskilled so that details of manpower generation is available with the Department. (DG/CON/Misc./15 dated 28.05.2021)

13 The site for the work shall be made available in parts as well as phased manner as per convenience of Hon'ble occupants subjected to minimum quantum of work in proportionately with schedule times of this work. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only and as when required. After completion of this part in all respect and handed over to the occupant satisfactorily then next portion will be made available for execution of work in same manner till completion of work. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

14 According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only as and when required. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

15. The contractor shall be sole responsible for the safe custody of the material, all machinery, T&P etc. issued or brought by him to site for doing the work, No claim in any kind shall be entertained by the Department against any lapse in safe custody of any materials.

16. In case of extension of agreement due to delay/reduction in scope of work, no claim on according of reduction in value of work, loss of business, loss of profit, consequently overheads, any kind of interest etc. shall be entertained and not payble to the agency.

17. Being a secured area contractor and their staff i/c WORKMAN required to get Police verification certificate from security authority through online request. Therefor contractor must apply online in advance for police verification to the security office so that he get necessary police verification in advance prior to date of start. If contractor fails to furnish Police Verification/ Clearance Certificate before start of work he will be responsible for this and no claims or extra time shall be given by this office.

18. The agency shall be make security passes for the Labours, Staff within 15 Days from the date of start of the work. This period shall not be consider in any hindrance on the part of department. Nothing extra shall be paid on this account.

19. The contractor shall record measurement online on ERP Portal and shall raise RFI (Request for Inspection) online for approval by Engineer-in-Charge or his/her authorised representative. The contractor shall create EMB for the approved RFIs and take printout of EMB having pages of A-4 size duly bound with its pages machine numbered. This online printed EMB shall be submitted in triplicate through letter of transmittal to the Engineer-in- Charge giving details of number of EMB and there number of pages by 20th day of every calendar month. Nothing extra shall be paid on this account.

20 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials, all machinery, T&P etc. brought to site.

CPWD-6 For e-Tendering

Online Percentage Rate bids are invited on behalf of the President of India from the approved, eligible and enlisted contractor of appropriate class of CPWD in Buildings & Roads Category for the following work :- **A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**

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

1. The work is estimated to cost **Rs.5,70,662/-** This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7 print edition 2020 with upto date amendments, which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Tenderer 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 **One Month** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work shall be made available in parts as well as phased manner as per convenience of Hon'ble occupants / users subjected to minimum quantum of work in proportionately with schedule times of this work. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only as and when required. After completion of this part in all respect and handed over to the occupant satisfactorily then next portion will be made available for execution of work in same manner till completion of work. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.
5. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only as and when required. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.
6. The BID documents consisting of plans, specifications, the schedule of quantities of the 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 and downloaded from website https://etender.cpwd.gov.in or www.cpwd.gov.in free of cost.
7. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
8. 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.
9. 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 tender submitted earlier shall become invalid.

10. Earnest money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed deposit receipt, Banker's cheque or Bank guarantee (as prescribed) from any of the commercial banks (drawn in favor of Executive Engineer 'R' Division) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer of CPWD only 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 Page-15)** uploaded by tender inviting EE in the NIT.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, will have to be deposited in shape prescribed above, and balance can be accepted in form of Bank Guarantee issued by a commercial bank The Bank Guarantee Submited as a part of Earnest Money is valid for a period of 90 days for single bid works and 180 for two bid system or more from the date of submission of the tender.

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 only and other documents scanned and uploaded are found in order.

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

The bid submitted shall be opened at **3:30 PM on 20.11.2026**

The bid submitted shall become invalid and e-tender processing fee shall not be refunded if:

(i) The bidders is found ineligible.

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

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

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

11. The contractor whose tender is accepted, will be required to furnish Performance Guarantee **and additional Performance Guarantee (required as per conditions) 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, Banker's cheque or Bank guarantee (as prescribed)*** **from any of the commercial banks. In case the contractor fails to deposit the said Performance Guarantee and additional Performance Guarantee (required as per conditions) 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 **and additional Performance Guarantee (required as per conditions)**.

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board **including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractors for the said work** and programme chart (time and progress) within the period specified in Schedule F.

The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfilment of his contract, an amount equal to 2.5% of the tendered amount of the work. The security deposit will be collected by deductions from the running bills as well as final bill of the contractor at the rates mentioned above. The security amount will also be accepted in the shape of ***Insurance Surety Bonds, Account Payee Demand Draft, Fixed deposit receipt, Banker's Cheque or Bank guarantee (as prescribed)*** **from any of the commercial banks.** Will be accepted for this purpose provided confirmatory advice is enclosed.

12. **The Description of work is as follows: - A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**

Intending tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 effect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderes shall be responsible for arranging and maintaining at his own cost all materials, tools and 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 tender by a tenderer implies that he has read this notice and all other contract documents 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 plants 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 tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractor 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 tender and the tenderer shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to tender 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 as Divisional Accountant or as an officer in any capacity between the grades of Executive 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 Gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No. Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bid. Further

(a) If any tenderer withdraws his tender or makes any modification in the term & 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.

(b) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bid, 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.

(c) 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 tender shall form a part of the contract document. The successful Tenderer/contractor, on acceptance of his bid by the Accepting Authority, shall, within 15 (Fifteen) 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 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 shall be applicable.

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 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as amended/ modified upto date

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 of minor components. One such signed set of agreement shall be handed over to EE/DDH in-charge of minor component(s). EE of major component will operate Part A and Part B of the agreement. EE/DDH in-charge of minor component(s) shall operate Part 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 to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of relevant component(s).within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of relevant component(s).

20.1.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant specialized component(s).
The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.

20.1.10 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/ 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 e-MB 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. 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. 011-23379087, E-mail Id:- deleerdiv.cpwd@gov.in / ae2rcpwd@gmail.com or ERP help line no. 18001803286 or e-mail id cpwd.support@techmahindra.com The E - Tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.

22. Online measurement of works shall be done for payment of works being executed as per general rules and directions through ERP Portal / Module System in Electronic measurement book (EMB)
Nothing extra shall be paid on this account.

23. Agency shall follow the instruction for generating RFI (request for inspection) and EMB (Electronic measurement book) as per the ERP portal / Module System of CPWD strictly.
Nothing extra shall be paid on this account.

24. The contractor shall be sole responsible for the safe custody of the material, all machinery, T & P etc. issued or brought by him to site for doing the work, No claim in any kind shall be entertained by the Department against any lapse in safe custody of any materials.

25. In case of extension of agreement due to delay/reduction in scope of work, no claim on according of reduction in value of work, loss of business, loss of profit, consequently overheads, any kind of interest etc. shall be entertained and not payble to the agency.

26. Being a secured area contractor and their staff i/c WORKMAN required to get Police verification certificate from security authority through online request. Therefore contractor must apply online in advance for police verification to the security office so that he get necessary police verification in advance prior to date of start. If contractor fails to furnish Police verification certificate before start of work he will be responsible for this and no claims or extra time shall be given by this office.

27. The agency shall be make security passes for the Labours, Staff within 15 Days from the date of start of the work. This period shall not be consider in any hindrance on the part of department. Nothing extra shall be paid on this account.

28. Guarantee Bond

Five year Guarantee bond in prescribed proforma shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their liability/ liabilities under the guarantee bond. However, the sole responsibility about efficiency of specific nature of work such as water proofing treatment, anti-termite treatment & chemically treated wooden shutters etc. shall rest with the building contractor. 10% (Ten per cent) of the cost of water proofing work, anti-termite work & chemically treated wooden shutter etc. shall be retained as security Deposit and the amount so deducted would be released after Five year beyond the date of completion of the entire work under the agreement, if the performance of the treatment is found satisfactory. If any defect is noticed during the guarantee period, the contractor shall rectify it within 15 days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done from another agency at the risk and cost of contractor.

29. Contractor shall employ trained workers in the respective field after obtaining approval from Engineer - in - charge.

30. Site will be made available.

31. The contractor shall record measurement online on ERP Portal and shall raise RFI (Request for Inspection) online for approval by Engineer-in-Charge or his/her authorised representative. The contractor shall create EMB for the approved RFIs and take printout of EMB having pages of A-4 size duly bound with its pages machine numbered. This online printed EMB shall be submitted in triplicate through letter of transmittal to the Engineer-in- Charge giving details of number of EMB and there number of pages by 20th day of every calendar month. Nothing extra shall be paid on this account.

32. 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 Agencys after getting budget / authorization / deposit from various Ministries / Client Departments. The payment to the Agency 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 Agency has to quote his tender accordingly considering this aspect.

33. The site for the work shall be made available in parts as well as phased manner as per convenience of Hon'ble occupants subjected to minimum quantum of work in proportionately with schedule times of this work. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only and as when required. After completion of this part in all respect and handed over to the occupant satisfactorily then next portion will be made available for execution of work in same manner till completion of work. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

34. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials, all machinery, T&P etc. brought to site.

35 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) MORTH 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.

36. The bidder shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department. However, assistance may be provided to the bidder for entry in the site premises for inspection, if requested by the bidder. No payment shall be made on this account.

37. The bidder shall get himself acquainted with nature and extend of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction. No payment shall be made on this account.

38. The bidder shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

20A. 14 Information and Instruction for Executive Engineer for e-tendering

1. The Assistant Egnineer, 2/R Sub-Division, CPWD or The Executive Engineer of all divisions of CPWD only 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 following prescribed format of receipt of deposition of original EMD along with NIT:-

Receipt of deposition of original EMD

(Receipt No……../Date……..……)

1. **NAME OF WORK:** **A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**
4. **N.I.T. No.: 123/2026-27/R-Divn/Delhi**
3. **Estimated Cost: Rs. 5,70,662/-**
4. **Amount of Earnest Money Deposit: Rs. 11,413/-**
5. **Last Date of submission of bid: 3:00 PM on 20.11.2026**

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 (AAO/AE(P) along with Office stamp

(# to be filled by EMD Receiving EE)

3. The Assistant Egnineer, 2/R Sub-Division, CPWD or 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 uploaded by tender inviting EE. The receipt may be issued by the AAO/ AE(P) of any division office of CPWD only & in Sub-Division of AE-2R only.
4. The Executive Engineer receiving original EMD shall also intimate tender inviting authority 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 (https://etender.cpwd.gov.in 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/Assistant Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer imediately.

INFORMATION AND INSTRUCTION FOR BIDDERS FOR E-TENDERING
FORMING PART OF BID DOCUMENT
(Applicable for inviting open tenders)

The Assistant Engineer '2/R' Sub-Division, CPWD, CGHQ, National Stadium, New Delhi on behalf of the President of India invites online Percentage rate tender from the approved and eligible and enlisted contractor of appropriate class of CPWD in Buildings & Roads Category for the following work :-

S. No	N.I.T. No	Name of work & location	Estimate cost put to bid (Rs.)	Earnest Money	Stipulated Period of completion of work (in Months)	Last date of online submission of Bid, copy of recipt of deposition of original EMD and other documents as specified in the bid document.	Date & Time of opening of bid
1.	123/2026-27/R-Divn/Delhi	A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)	5,70,662/-	11,413/-	One Month	3:00 PM on 20.11.2026	3:30 PM on 20.11.2026

1. The intending bidder must read the terms and conditions of CPWD–6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://etender.cpwd.gov.in or www.cpwd.gov.in free 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 division of CPWD only within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft, Fixed deposite receipt, Banker's Cheque or Bank guarantee (as prescribed) from any of the commercial banks 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) of CPWD ounly and other documents as specified.
5. Those contractors not registered or have not updated their profile on the website mentioned above, are required to get registered/ updated their profile beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class–III digital signature to submit the bid.
7. 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 of https://etender.cpwd.gov.in.
8. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents in the form of JPG format and PDF format.

10. Contractor must ensure to quote in the prescribed column (S) meant for quoting rate in figures appears in Yellow Color and the moment rate is entered, it turns sky blue.

In addition to this, while selectging 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 time 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. SC/ST contractors enlisted under class V category are exempted from processing fee payable to ITI.

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

(i) Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer of CPWD only (including NIT issuing EE/AE/AAO). (The EMD document shall be issued from the place in which the office of receiving division office is situated.

(ii) Earnest money in the form Insurance Surety Bonds, Account Payee Demand Draft, Fixed deposite receipt, Banker's Cheque or Bank guarantee (as prescribed) from any of the commercial banks (drawn in favour of Executive Engineer 'R' Division) against EMD and EMD shall be made from the account of the bidder submitting the bid, if issued from the account other than that of the bidder submitting the bid shall not be accepeted.

(iii) Valid Enlistment Order of the CPWD Contractor in appropriate class in Buildings & Roads Category.

(iv) GST Registration Certificate, if already obtained by the bidder.
If the bidder has not obtained GST registration as applicable above then he shall scan and upload following under taking along with other bid documents.
"If work is awarded to me, I/we shall obtain GST registration Certificate 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 I/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 Certificate of ERP Training through any of the CPWD Regional Training Institutes (RTIs) or through the National CPWD Academy (NCA), Ghaziabad or through any other special training arranged by ERP unit at CPWD Headquarter.

(vi) Email & Mobile no. & correspondence address of the firm/agency on the letterhead of the firm/agency (For making correspondence)

(vii) Pan Card & other documents as per NIT if required.

Note : No cutting/over writing shall be allowed in *Insurance Surety Bonds, Account Payee Demand Draft, Fixed deposite receipt, Banker's Cheque or Bank guarantee (as prescribed)* from any of the commercial banks If found so, their bid will be rejected.

के.लो.नि.वि. / **C.P.W.D.- 7**

भारत सरकार GOVERNMENT OF INDIA
केन्द्रीय लोक निर्माण विभाग CENTRAL PUBLIC WORKS DEPARTMENT

राज्य STATE :- **New Delhi.**
Circle – **DC – 2**

शाखा BRANCH :- **B & R**
मंडल DIVISION: - **R- Division**
उप–मंडल SUB-DIVISION:- **2/R Sub-Division**
Region :- **Delhi**

प्रतिशत दर निविदा एवं संविदा
Percentage Rate Tender & Contract

कार्य के लिए निविदा :Tender for the work of **:- A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**

(i) Last date of online submission of Bid, copy of recipt of deposition of original EMD and other documents as specified in the bid document upto **3:00 PM on 20.11.2026**

(ii) To be opened online in presence of tenderers who may be present at **3:30 PM on 20.11.2026 in the office of Assistant Engineer, 2/R Sub-Division, CPWD, CGHQ, National Stadium, New Delhi.**

निविदा T E N D E R

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची क,ख,ग,घ, ड., और च, लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, ठेके के उपबंध, विशिष्ट शर्ते, दर अनुसूची एवं अन्य कागजात तथा ठेके की शर्तो में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जांच लिया है।

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, clause of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender documents for the work.

मै/हम, एतत्द्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के भीतर विनिर्दिष्ट कार्य, यथा–मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम–1 और ठेके की शर्तो के खंड–11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्ते जो लागू हो, के अनुरूप निष्पादन हेतु निविदा देता हूं/देते है ।

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.

हम निविदा को, इसके खोले जाने की अन्तिम तारीख से 30 (तीस) दिन के लिए खुला रखने तथा इसकी शर्तो एवं निबंधनों में किसी प्रकार का परिवर्तन न करने के लिए सहमत हैं।

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

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

A Copy of earnest money deposite receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposite 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). EMD shall be made from the account of the bidder submitting the bid, if issued from the account other than that of the bidder submitting the bid shall not be accepeted. If I/we fail to furnish the prescribed Performance Guarantee **and additional Performance Guarantee (required as per conditions)** within prescribed period, the said President of India or his successor, in office shall without prejudice to any other right or remedy, be at liberty to suspend the bidder for One year and bidder shall not be eligible to bid for CPWD tenders from date of issue of suspension order. if the bidder fail to commence work as specified, then President of India or the successors in office shall without prejudice to any other right to or remedy available in law, be at liberty to forfeit the said Performance Guarantee **and additional Performance Guarantee (required as per conditions)** absolutely. The said Performance Guarantee **and additional Performance Guarantee (required as per conditions)** 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 **and additional Performance Guarantee (required as per conditions)** as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

If any tenderer withdraws his tender or make any modification in the terms and conditions of the tender, the bidder shall not be allowed to participate in the re-bidding process of the same work.

मैं वचन देता हूं तथा पुष्टि करता हूं/हम वचन देते हैं तथा पुष्टि करते हैं कि पात्रता के लिए समान निर्माण कार्य को बैक टू बैक आधार पर एक अन्य ठेकेदार द्वारा नहीं करवाया गया है। इसके अलावा यदि इस प्रकार का उल्लंघन विभाग की जानकारी में आता है तो मुझे/हमें भविष्य में केलोनिवि में निविदा देने से हमेशा के लिए वंचित कर दिया जाएगा। साथ ही, यदि कार्य के प्रारंभ होने की तारीख से पहले इस प्रकार का उल्लंघन विभाग की जानकारी में आता है तो भारसाधक इंजीनियर को बयाना राशि जमा से और कार्य निष्पादन गारंटी की समग्र राशि जब्त करने की स्वतंत्रता होगी।

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

मैं/हम एतत्द्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रुप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हों, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रुप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा और अखंडता के लिए प्रतिकूल हो।

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.

तारीख Dated ..... ठेकेदार के हस्ताक्षर Signature of Contractor

डाक पता Postal Address

साक्षी Witness :

पता Address:

डपजीविका Occupation :

स्वीकृति/ACCEPTANCE

मै भारत के राष्ट्रपति की ओर से तथा उनके लिए रु0 :- ---------- (रूपए ----------
---
----------) की राशि के लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूं।

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_____)

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

(a)
(b)
(c)

भारत के राष्ट्रपति की ओर से तथा उनके लिए
For & on behalf of the President of India.
हस्ताक्षर Signature .....

तारीख Dated ..... पदनाम Designation .....

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

सिविल कार्यों' की अनुसूचियां SCHEDULES FOR CIVIL WORKS

अनुसूची 'क' SCHEDULE 'A'

मात्राओं की अनुसूची (संलग्न)
Schedule of quantities (Enclosed) **115-123**

अनुसूची 'घ'SCHEDULE 'D'

कार्य के लिए विषेष अपेक्षाएं/दस्तावेज, यदि कोई हों, की अतिरिक्त अनुसूची
Extra schedule for specific requirements/documents for the work, if any.

1. As per particular specification, additional specification, General conditions, additional conditions and special condition preffered make list etc attached and work shall be executed according to General Conditions of Contract 2023 (Maintenance works) for CPWD as modified & Corrected upto previous day of the last date of submission of the tender.

अनुसूची 'ड'SCHEDULE 'E'

ठेके की सामान्य शर्तो का संदर्भ
Reference to General Conditions of contract: **Applicable GCC is Maintenance Works 2023 as modified & corrected upto previous day of the last date of submission of the tender.**

कार्य का नाम
Name of work : **A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**

कार्य की अनुमानित लागत Estimated cost of work **Rs. 5,70,662/-**

(i) धरोहर राशि Earnest money: **Rs. 11,413/- ((to be returned after Receiving Performance Guarantee and additional Performance Guarantee (required as per conditions)**

(ii) **निष्पादन गारंटी Performance guarantee** :
(a) **5% of tendered value or Estimated cost Put to Tender (ECPT) (whichever is heigher)**
(b) **Where the tender amount is less than 80% of the Estimated cost Put to Tender (ECPT) the Performance Guarantee (PG), in additional to the required under (a) above, shall be increased by an amount equal to the differenece between eighty percenet (80%) of the ECPT and the tendered amount.**

(iii) प्रतिभूति निक्षेपः **Security Deposit**: **2.5% of tendered value.**

अनुसूची 'च' SCHEDULE 'F'
सामान्य नियम एवं दिशानिर्देशः **General Conditions of Contract for Maintenance Works 2023 with amendments upto preivous day of the last date of submission of the online tender.**

निविदा आमंत्रण करने वाला प्राधिकारी
Officer inviting tender - **Assistant Engineer/2/R Sub-Division/CPWD/ New Delhi**

परिभाषायें:— **Definitions:**

2(v)	भारसाधक इंजीनियर Engineer-in-Charge	**Assistant Engineer/2/R Sub-Division/CPWD/ New Delhi**
2(viii)	स्वीकार कर्ता प्राधिकारी Accepting Authority	**Assistant Engineer/2/R Sub-Division/CPWD/ New Delhi**
2(x)	अतिरिक्त और लाभों को पूरा करने के लिए सामग्रियों की लागत पर प्रतिशतता Percentage on cost of materials and labour to cover all overheads and profits.	**15%**
2(xi)	दरों की मानक अनुसूची Standard schedule of Rates:	**Delhi Schedules of rate 2023 & GST multiplying factor @ 0.973 & 4.03%) cost index with Correction slips issued upto date.**
2(xii)	विभाग Department	**Central Public Works Department**
9(ii)	मानक के.लो.नि.वि. ठेका फार्म Standard CPWD contract form	**Standard CPWD contract Form General Conditions of Contract Maintenance Works 2023, CPWD *Form 7* as modified & corrected upto previous day of the last date of submission of the tender.**

Clause1

(i)	स्वीकृति पत्र जारी होने की तारीख से निष्पादन गारंटी के प्रस्तुतीकरण, कार्यक्रम चार्ट (समय तथा प्रगति) तथा लागू श्रम लिसेंस, ईपीएफओ, ईएसआईसी और बीओसीडब्लयू कल्याण बोर्ड के साथ पंजीकरण या वहॉ आवेदन करने के प्रमाण। Time allowed for submission of Performance Guarantee **and additional Performance Guarantee (required as per conditions)**, programme chart (Time and progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW wellfare board or proof of applying there of from the date of issued of letter of acceptance.	**7 Days**
(ii)	उपर्युक्त (i) में दी गई अवधि से आगे कार्यनिष्पादन गारंटी राशि का 0.1 प्रतिश्त प्रतिदिन की दर से विलंब शुल्क के साथ अधिकतम अनुमेय विस्तार। Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee **with additional Performance Guarantee (required as per conditions)** amount beyond the period provided in (i) above in days	**3 Days**

Clause 2

क्या खण्ड 2 लागू होगा। Whether Clause 2 shall be applicable	**Not Applicable**

Clause 2A

खण्ड क. क्या खण्ड 2 क लागू होगा। Whether Clause 2A shall be applicable	**Applicable**
खण्ड 2 के तहत प्रतिकर निश्चित करने वाला प्राधिकारी। Authority for fixing compensation under clause 2A	**Authority as per GCC 2023**

Clause 5

लगू खण्ड 5 **Applicable Clause 5**	**Not Applicable (At Page No. 43 to 51)**
लगू खण्ड 5क **Aplicable Clause 5A**	**Applicable**
Number of days from the date of issue of letter of acceptance for reckoning date of start	**10 Days**

लक्ष्य मील–पत्थर। सारणीः लक्ष्य नीचे दी गई सारणी अनुसार

Table of Milestones : -- As per Table given below

S. No.	Milestone Programme	Time Allotted (From date of start)	Amount to be withheld in case of non-achievement of milestone
NIL			

कार्य निष्पादित करने के लिए अनुमत्य समय Time allowed for execution of work	**One Month**
निर्णायक प्राधिकारी Authority to Decide:-	
1. समय विस्तार Extension of time	**Not Applicable**
2. उपलब्धियों का पुनः अनुसूचिकरण Rescheduling of Mile Stones	**Not Applicable**
3. साइट के सौंपने में देरी के मामले में शुरू होने की तारीख के स्थानांतरण Shifting of date of start in case of Delay in handing over of site	**NIT APPROVING AUTHORITY**
Clause 6:- General rules & Directions	**Electronic Measurement Book (EMB) through CPWD ERP Portal as per General Conditions of Contract for Maintenance Works 2023 with amendments upto preivous day of the last date of submission of the online tender.**
Clause 7 अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	**5.71 Lakhs**

Clause 7A

क्या खण्ड 7 क लागू होगा

Whether Clause 7A shall be applicable

Yes

लागू श्रम लाइसेंस ईपीएफओ.ईएसआईसी. बीओसीडब्ल्यू कल्याण बोर्ड और जीएसटी के साथ पंजीकरण जो भी लागू हो ठेकेदार द्वारा प्रभारी अभियन्ता को प्रस्तुत किए जाने तक काम के लिए कोई रनिंग अकाउट बिल का भुगतान नही किया जाएगा और किसी भी उप ठेकेदार के पास भी होना चाहिए भविष्य निधि कोड।

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC, BOCW Welfare Board and GST, whatever applicable are submitted by the contractor to the Engineer-in-charge & any sub contractor engaged should also have Provident Fund code.

Clause 7B

(Payment to third Party)

क्या खण्ड 7 बी लागू होगा

Whether clause 7B shall be applicable

No

Clause 10 A

कार्यस्थल प्रयोगशाला में ठेकेदार द्वारा उपलब्ध कराये जाने परीक्षण उपकरण की सूची

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

सरकार द्वारा प्रदाय करने के लिए निश्चिय की गई सामाग्रियो को छोडकर कार्य के लिए आवश्यक सभी सामाग्रियां ठेकेदार अनपे खर्चे पर उपलब्ध कराएगा।

As per site/ work requirement

The contractor shall, at his own expense, provide all materials, required for the works other than those which are stipulated to be supplied by the Government.

Clause 10B(i)

क्या खण्ड 10बी(i) लागू होगा

Whether Clause 10 B(i) shall be applicable: (Secured Advance of Material)

No

Clause 10C

श्रम घटक को कार्य के मूल्य के रूप में अभिव्युक्त किया गया है।

Component of Labour expressed as percent of total value of work

Not Applicable

Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column.

खण्ड 10गग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्षायी गई अवधि से अधिक अनुबंधित है।

Not Applicable

Clause 10CA

मूल्य वृद्धि के लिए अन्य सामग्री, श्रम, पी.ओ.एल आदि के घटकों की अनुसूची।

Schedule of component of other Materials, Labour, POL etc. for price escalation

निर्माण कार्य सामग्री के लिए सिविल घटक (खंड 10 ग के अन्तर्गत शामिल सामग्रियों को छोड़कर)/वैधुत कार्य में कुल मूल्य के प्रतिशत के रूप में प्रदर्षित

Component of Civil

(Except material covered under clause 10CA)

Xm……Nil……..%

Electrical construction materials expressed as percent of total value of work

श्रम के घटक के कुल मूल्य की प्रतिषत के रूप में प्रदर्षित

Component of Labour expressed as percent of total value of work.

Xm……Nil……..%

Clause 11

कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश

Specifications to be followed for execution of work

CPWD Specification 2019, Volume-I & Volume-II with correction slips issued upto date of receipt of tender

Clause 12

(As per order No. DG/CON/Maintenance 2023/03 dated 18.12.2023)

Applicable as per order No. DG/CON/ Maintenance 2023/03 dated 18.12.2023 (At Page No. 52 to 58)

Type of work:

Maintenance work.

General Conditions of Contract for Maintenance Works 2023 with amendments upto preivous day of the last date of submission of the online tender.

12.3

Deviation, Deviated Quantities Pricing.

All the deviated quantites shall be paid at agreement rates only.

Clause 16

घटी हुई दरे निर्धारित करने कीलिए सक्षम प्राधिकारी Competent Authority for deciding reduced rates.	**SE/DC-II/CPWD New Delhi; upto 5% of the contract value beyond that with the approval of ADG(Region Delhi)**

Clause 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जोने वाली अनिवार्य मषीनरी, औजार एवं सयंत्रों की सूचीः List of mandatory machinery, tools & plants to be deployed by the contractor at site at his own cost.	As per actually required at site.

Clause 19 C
Clause 19 D
Clause 19 G
Clause 19 K

Authority to decide penalty for each default — **Engineer-in-charge.**

Clause 25

(i)	Conciliator	**ADG (Delhi)**
(ii)	Arbitrator Appointing Authority	**SE, DC-II**
(iii)	Place of Arbitrator	**New Delhi**

Clause 32

Requirement of Technical Representative(s) and Recovery Rate

S.No.	Minimum Qualification of Technical Representative	Discipline	Designation Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32 Figures Words.
Nil						

Note :- applicable for the estimate cost of work More than 15 lac to 1.50 Crore

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

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

Clause 38

I) क) केलोनिवि द्वारा मुद्रित दिल्ली दर अनुसूची –2023 के आधार पर सीमेन्ट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची / विवरण

I) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2023** printed by C.P.W.D. with up to date correction slips.

II) अनुमानमूलक मात्राओं में अनुमत्य विचलन

Variations Permissible On Theoretical Quantities

क)	सीमेन्ट जिन कार्यो के लिए निविदा में अनुमानित मूल्य रू. 25 लाख से अधिक न हो	3 प्रतिषत जमा / घटा
a)	Cement for works with estimated cost put To tender not more than Rs. 25 lakhs	3% plus/minus.
	जिन कार्यो के लिए निविदा में अनुमानित मूल्य रू. 25 लाख से अधिक हो	2 प्रतिषत जमा / घटा
	for works with estimated cost put to Tender more than Rs. 25 lakhs	2 % plus/minus.
ख)	बिटुमन सभी कार्यो के लिए	2.5 प्रतिषत केवल जमा और घटा के पक्ष में शून्य
b)	Bitumen for all works	2.5% plus only & nil on minus side.
ग)	इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए पूनर्वलन और संरचनात्मक इस्पात काट	2 प्रतिषत जमा / घटा
15.	Steel Reinforcement and structural steel sections for each diameter, section and category.	2% plus/minus
घ)	सभी अन्य सामग्रियां	शून्य
d)	All other materials	Nil.

(a) ADDITIONAL CONDITIONS AND SALIENT POINTS

1. The contractor should write his/her correct postal address on the application for tender papers. In case it is found that the address given in his/her 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.

BIS marked items (except cement & steel) required on the work shall be got tested. Only important tests, which govern the quality of the product, shall be carried out. The frequency of such tests shall be 25% of the frequency specified in the CPWD Specifications 2019 Vol. I & Vol. II with upto date correction slip issue upto last date of submission.

For certain items, if frequency of tests is not mentioned in the CPWD Specifications then relevant IS code shall be followed and tests shall be carried out @ 25% of the frequency specified therein.

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

4. Water will be supplied by the department and 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 various martials required for testing shall be provided free of cost by the contractor and all expenditure to be incurred for testing of samples e.g. sample, packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. The testing of samples of material shall be got done from 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 Vol.I to II with correction slips issued upto 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 upto 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. Site is located in sensitive & high security & VVIP area, where movement and routes are restricted. The contractor shall have to apply online for police verification before applying for passes well in advance (minimum 10 days before labour deployment) for carrying out the works. Some restrictions may be imposed by the security staff / Delhi Police on the working and for movement of labour, materials etc. No claim whatsoever shall be entertained for any loss on this account.

10. 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.

11. 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.

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

13. 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.

14. The contractor shall ensure quality construction in a planned and time bound manner. Any sub slandered 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 slandered / defective work immediately.

15. Deviation in quantities as well as any extra items shall be done only with prior written permission of the Competent Authority. In case of violation, agency shall be held responsible and no payment shall be made to the agency on this account.

16 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.

17. 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.

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

19. The site for the work shall be made available in parts as well as phased manner as per convenience of Hon'ble occupants subjected to minimum quantum of work in proportionately with schedule times of this work. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only and as when required. After completion of this part in all respect and handed over to the occupant satisfactorily then next portion will be made available for execution of work in same manner till completion of work. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

20. According to the convenience of the users / client, agency shall execute the work beyond office hours, odd hours and in holidays only and as when required. Any decision in this regard shall rest with the Engineer-in-charge which shall be final and binding for contractor and the contractor shall have no claim on this account.

21. 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)

22. 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.

23. 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 and nothing extra shall be paid to the contractor.

24. 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.

25. Licenses

25.1 The contractor shall pay to the municipal, police or other authorities all the fees etc. that may be required by law, obtain requisite licenses 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.

25.2 All licensing 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.

26. 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.

27. 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.

28. 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.

29. (a) The Contractor(s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.

(b) The contractor(s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction.

30. The Tendered Agency shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

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

32. 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.

33. 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.

34. 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.

35. 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.

36. 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.

37. 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,

38. 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.

39. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials, all machinery, T&P etc. brought to site.

40. Other agencies will also simultaneously execute and install the works of internal electrical installations, sub-station / generating sets, air-conditioning, lifts, etc. for the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be supplied free of cost by the department unless otherwise specifically mentioned) and the contractor shall fix the same at the time of casting of concrete, stone work and brick work, if required, and nothing extra shall be payable on this account.

41. (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 programme finalized with the Engineer-In-Charge. Any predelivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

42. 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 a

Proper co-ordination manner and shall perform it in proper sequence to the complete satisfaction of others.

43. 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.

44. 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.

45. 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.

46. The contractor(s) shall at his/her own cost provide his/their labour with a sufficient number of huts on land being arranged by contractor as per the requirements as well as labors law, for which Client Deptt/Engineer-in-charge is not liable to provide land for huts and nothing extra shall be paid on to the agency on this account.

47. 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.

48. The day to day receipt and issue accounts of different grade/brand of cement shall be maintained separately in the standard Performa by the contractor and which shall be duly countersigned by JE.

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

50. 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 predelivery 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.

51. 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.

52. 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.

53. The bidder shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department. However, assistance may be provided to the bidder for entry in the site premises for inspection, if requested by the bidder. No payment shall be made on this account.

54. The bidder shall get himself acquainted with nature and extend of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials required for construction. No payment shall be made on this account.

55. The bidder shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost. No payment shall be made on this account.

56. **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. Nothing extra shall be paid on to the agency on this account.

57. **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 metal (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.

58. **Guarantee Bond**

Five year Guarantee bond in prescribed proforma shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their liability/ liabilities under the guarantee bond. However, the sole responsibility about efficiency of specific nature of work such as water proofing treatment, anti-termite treatment & chemically treated wooden shutters etc. shall rest with the building contractor. 10% (Ten per cent) of the cost of water proofing work, anti-termite work & chemically treated wooden shutter etc. shall be retained as security Deposit and the amount so deducted would be released after Five year beyond the date of completion of the entire work under the agreement, if the performance of the treatment is found satisfactory. If any defect is noticed during the guarantee period, the contractor shall rectify it within 15 days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done from another agency at the risk and cost of contractor.

59. **Maintenance of Register of Test :-**

All the registers of tests carried out at site or in outside laboratories shall be maintained by the contractor in ERP Module System CPWD which shall be issued to the contractor as per office memorandum ERP implementation OM No. 135 of 2023.

60. Contractor shall be responsible for safe custody of all the test registers.

61. All the MAS Registers including cement and steel registers shall be maintained by contractor which shall be issued to the contractor by engineer-in-charge in the same manner as being issued to CPWD field staff. As per guidelines by ERP Portal / Module System

62. The contractor shall ensure quality control measures on different aspects of work including materials, workmanship and correct construction methodologies to be adopted. He shall have to submit quality assurance programme within two weeks of the award of work. The quality assurance programme should include method statement for various items of work to be executed along with check lists to enforce quality control.

63 The contractor shall get the source of all materials, not specified elsewhere in the document approved from the engineer-in-charge. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the engineer-in-charge for which tests etc. shall be done by the contractor at his own cost. Similarly the contractor shall submit brand/ make of various materials not specified in the agreement to be used for the approval of the engineer-in-charge along with samples and once approved, he shall stick to it.

64 Sampling of Materials :-
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. Nothing extra shall be paid on this account.

65 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.

66 The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in double lock and key system and Nothing extra shall be paid on this account.

67 Other agencies may also simultaneously be executing the work of electrification, Horticulture or external services and other building works for the same building along with this work, The contractor shall afford necessary facilities for the same and no claim in the matter shall be entertained, The contractor shall especially co-ordinate with the other agency carrying out his work.

68 The contractor shall be sole responsible for the safe custody of the material, all machinery, T&P etc. issued or brought by him to site for doing the work, No claim in any kind shall be entertained by the Department against any lapse in safe custody of any materials.

69. In case of extension of agreement due to delay/reduction in scope of work, no claim on according of reduction in value of work, loss of business, loss of profit, consequently overheads, any kind of interest etc. shall be entertained and not payble to the agency.

70. Being a secured area contractor and their staff i/c WORKMAN required to get Police verification certificate from security authority through online request. Therefor contractor must apply online in advance for police verification to the security office so that he get necessary police verification in advance prior to date of start. If contractor fails to furnish Police Verification/ Clearance Certificate before start of work he will be responsible for this and no claims or extra time shall be given by this office.

71 The agency shall be make security passes for the Labours, Staff within 15 Days from the date of start of the work. This period shall not be consider in any hindrance on the part of department. Nothing extra shall be paid on this account.

72 Contractor shall employ trained workers in the respective field after obtaining approval from Engineer - in - charge.

73 Site will be made available.

74. The contractor shall record measurement online on ERP Portal and shall raise RFI (Request for Inspection) online for approval by Engineer-in-Charge or his/her authorised representative. The contractor shall create EMB for the approved RFIs and take printout of EMB having pages of A-4 size duly bound with its pages machine numbered. This online printed EMB shall be submitted in triplicate through letter of transmittal to the Engineer-in- Charge giving details of number of EMB and there number of pages by 20th day of every calendar month. Nothing extra shall be paid on this account.

75. The time allowed for carrying out the work will be **One Month** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

76. The contractor shall provide proper temporary barricading of G.I. sheets, at the start of work to physically define the boundaries of the plot for restricted entry to only those involved in the work and also to prevent any accidents, at the same time without causing any inconvenience to the traffic and the users of the buildings in the adjacent plots. It shall be done by providing, erecting, maintaining temporary protective barricading of minimum 6.0 metres in height or as appropriate height, made in panels, with each panel having MS frames / MS scaffolding pipes of suitable size and stiffness, with 24 gauge thick GI corrugated sheet or suitably stiffened plain GI sheet fixed on frames. Such panels shall be suitably connected to each other for stability with nuts and bolts, hooks, clamps etc. and fixed firmly to the ground at about 2 metres spacing, for the entire duration till completion of the work. He shall also provide and erect temporary protective barricades within the plot, to prevent any accident. Also, one or more coat of enamel paint of shade as approved and directed by the Engineer-in-Charge shall be applied on the panels and "CPWD" shall be painted over that in suitable sizes, shapes and numbers as directed by the Engineer-in-Charge. It shall be dismantled and taken away by the Contractor after the completion of work at his own cost with the approval of the Engineer-in- Charge. Nothing extra shall be payable on this account. The contractor shall maintain the site barricading during the complete period of execution and realign it if required, for execution of works. **A Recovery of Rs.500/- per day shall be levied for not maintaining the barricading in good condition or breach of any of the above conditions as per the direction of Engineer-in-charge.**

SPECIAL CONDITIONS AS PER NGT GUIDELINES:

1. The guidelines regarding preventive measures for Air Pollution from demolition & construction activities issued by Delhi Pollution Control Committee vide no. DPCC/EIA/Res-001 to 172 /NGT-21/2015/225-408 dated 17.04.2015 in compliance of on'ble National Green Tribunal directions enclosed herewith are applicable to the contractor. All appropriate protection measures as per NGT & DPCC guidelines shall be taken by the contactor at his own cost. Nothing extra shall be payable to the contractor on this account.

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 metaled road.

(ii) Beyond the metaled 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. Any truck not complying with the above directions would not be permitted to enter NCR, Delhi.

Hon'ble National Green Tribunal in order Dated 10.04.2015 interiliac has 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, transporters and NCR of Delhi.

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 and copy of notice issued are available at the DPCC website also i.e. "http//dpcc.delhigovt.nic.in."

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.

No. 1(10)/T&PR/2016

Government of India
Directorate General
Central Public Works Department
Technical & Public Relations Unit

Tel No. 23061584 Email: dirtech-pr.cpwd@nic.in

105-A, Nirman Bhawan,
New Delhi, Dated: **27.01.2016**

OFFICE MEMORANDUM

Sub.: Directives of the Hon'ble Supreme Court and Hon'ble National Green Tribunal on air pollution from construction and demolition activity.

Attention is drawn to the Hon'ble National Green Tribunal earlier orders dated 4.12.2014 and 10.4.2015 in OA No. 21/2014 and OA No. 95/2014 and MoEF guidelines of 2010 regarding dealing with air pollution from construction and demolition sites. The directives in this regard are restated in the Annexure enclosed.

2. Hon'ble Tribunal had directed for mandatory strict adherence and compliance of above referred orders as well as MoEF guidelines 2010 while carrying out the construction activity.

3. Hon'ble Supreme Court, in a recent judgment has favoured imposing a fine of Rs. 50,000/- on a daily basis on construction sites for generating high levels of dust in Delhi and NCR. It has been directed by the apex court that EPCA may go around and check polluting construction sites with the help of the volunteers for strict compliance of its order.

4. Accordingly, all SDGs, ADGs, CEs, CPMs, PMs are enjoined upon to strictly comply with the directives of Hon'ble Supreme Court & Hon'ble NGT and MoEF guidelines 2010 to control air pollution at CPWD construction sites. Any laxity found or reported by the checking authorities in this regard shall be viewed seriously.

This issues with the approval of Director General, CPWD.

Encl. As above.

(S. P. Chaudhary)
Director (Tech & PR)

To (**through CPWD website**)

All SDGs, CPWD
All ADGs, CPWD
All CEs/CPMs/PMs, CPWD

Directives of Hon'ble National Green Tribunal in O.A. No.21 of 2014 and O.A. No. 95 of 2014 and MoEF guidelines 2010 on Air Pollution from Construction and Demolition activity.

(A) **NGT order dated 04.12.2014**:

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

- 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.

- 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 area 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.

- All the trucks or vehicles of any kind which are used for construction purposes/or 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. Any truck not complying with the above directions would not be permitted to enter NCR, Delhi.

(B) **NGT order dated 10.04.2015**:

- 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.

- 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.
- 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.
- The dust emissions from the construction site should be completely controlled and all precautions taken in that behalf.
- 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.
- 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.
- 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 emission.
- It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and in terms of this order.
- 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.
- Compulsory use of wetjet in grinding and stone cutting.
- Wind breaking walls around construction site.
- All the builders who are building commercial, residential complexes which are covered under the EIA Notification of 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.
- 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, transporters and NCR of Delhi.
- Even if constructions have been started after seeking Environmental Clearance under the 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 afore stated shall be entitled to direct stoppage of work.

(C) Environmental Impact Assessment Guidance Manual for Building, **Construction, Township** and area Development Projects of **February, 2010 envisages 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 watercourses."

The other 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 20 kmph 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 leadto dust / particulate emissions. Fabrics and plastics for covering piles of soils and debris is aneffective means to reduce fugitive dust.

(D) Copy of NGT orders dated 04.12.2014, 10.04.2015, copy of MoEF guidelines 2010 are available at the DPCC website "http//dpcc.delhigovt.nic.in".

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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

8/12/2023
R.K. JAIN
(EE (Contact)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

	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.

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R.K. JAIN
(EE (Contact)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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

21/11/2023
R.K. JAIN
(EE (Contact)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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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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)।

14.12.2023

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(EE (Contact)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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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(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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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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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).**

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(EE (Contact)

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 14.2.23
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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)

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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 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. 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. The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.	**Clause 19 Labour Laws to be complied by the Contractor** **No change** **No change** **No change**

The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986. 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. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.	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** **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.

08.02.2024

(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)

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.

Sahu 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, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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.**

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

	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
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(EE (Contact)

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**

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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, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Misc./37

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 30.01.2024**

Subject: Advisory for encouraging participation of women in the workforce in CPWD

In order to ensure equitable and inclusive development, it is imperative to support women in all aspects of workforce. To achieve this goal, the employers must not only comply with various Statutory Provisions, especially those summarized at the Annexure, but also take lead in implementing the Policies and Programmes of gender equality in letter and spirit to encourage women to join the workforce in large numbers.

2. For ensuring wide participation of women and providing gender-equal opportunities in CPWD, it has been decided to issue an Advisory in line with the Statutory Provisions to all field officers, which in turn, shall ensure and oversee the adoption of the Advisory by their respective contractors:

I. **Provisions Related to Wages:**

All field officers should ensure:

(a) The provisions of the Payment of Wages Act, 1936 and The Employee's Compensation Act, 1923 are compiled with to safeguard the rights of workers especially women workers by specifying the timing and mode of wage payments.
(b) The payment of minimum wages for various categories of employment as per the provisions of the Minimum Wages Act, 1948. It is advised that employers should be insisted to transfer wages online to the bank account of the workers so as check compliance to provisions of minimum wages act.
(c) That every worker, regardless of gender, receives remuneration commensurate with the nature of their work and skills as per the provisions of the Equal Remuneration Act, 1976.
(d) Prohibition of any form of discrimination against women including wages, based on gender as per the provisions of the Equal Remuneration Act, 1976.
(e) The principle of equal pay for equal work for women employees so that women receive the same remuneration for identical or similar work as per the provisions of the Equal Remuneration Act, 1976.

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(f) No discrimination in the recruitment of women workers or in any condition of service after recruitment such as promotions, trainings, or transfers as per the provision of Equal Remuneration Act, 1976.

II. **Welfare Provisions:**

All field officers should ensure:

(a) Provisions of first aid boxes, facilities for sitting, and crèches for women workers are made available as per the provisions of the Maternity Benefit Act, 1961, Factories Act, 1948, The Contract Labour Regulation Rules, 1971, and The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.
(b) Provision of canteens, separate restrooms and separate reserved portions of the dining hall by the contractor for women employees as per the provisions of the Contract Labour Regulation Rules, 1971.
(c) Crèche should cater to the needs of children, providing a convenient and safe space for working mothers to leave their children during working hours as per the provisions of The Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996.
(d) Overall well-being and working conditions of Building and Construction women workers by providing access to essential amenities and services at construction sites.

III. **Migrant Workers:**
All field officers should ensure:

(a) Facilities such as latrines and urinals, washing, creches and adequate accommodation, etc for migrant women workers are made available as per the provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act and Rules.
(b) Extending benefits provided by the destination state through its building and other construction workers welfare board (BOCWB) by facilitating registration of those migrant workers. In this regard prior registration details of the migrant workers available on national/state BOCW portal, which was entered by the source state, can be fetched for verification purpose and immediate benefits of welfare schemes of BOCW board of the destination state can be extend.

IV. **Health Provisions:**
All field officers should ensure:

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(a) The health and well-being of women workers throughout pregnancy as per the provisions of the Maternity Benefit Act, 1961, wherein paid maternity leave to registered construction workers for 26 weeks for up to 2 deliveries is to be granted by the employer. For more than 2 children and for adoption/commissioning mothers, 12 weeks of paid maternity leave shall be provided by the employer.
(b) Cleanliness, ventilation, lighting, drinking water, and sanitation facilities to create a healthy and conducive working environment specifically for women as per health and safety provisions of the BOCW(RE&CS) Act 1996 and the corresponding Rules.
(c) Availability of a qualified medical practitioner dedicated to addressing the unique health needs of employees, specifically women workers
(d) Payment of maternity benefits at the rate of average daily wage for the period of her actual absence immediately preceding and including the day of her delivery and for six weeks immediately following that day.
(e) Entitlement of leave with wages at the rate of maternity benefits for a period of six weeks immediately following the day of her miscarriage.
(f) Deposition of contributions as a statutory obligation under The Employees' State Insurance Act, 1948, for all construction workers engaged. The employer shall create awareness among the construction workers regarding treatment of illness in AB-PMJAY empanelled hospital with the help of ESIC card, if ESCI empanelled hospital is not in vicinity.

V. Safety Provisions:

All field officers should ensure:

(a) The creation of Internal Complaints Committees (ICCs) pertaining to sexual harassment within organizations including private organizations as per the provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
(b) The sexual harassment complaints of women workers are timely attended to as per the provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
(c) Timely redressal of safety concerns of women workers as per the provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.
(d) Creation of awareness within the enterprise/unit about what constitutes sexual harassment, violence against women, etc. as per the provisions of the Sexual

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Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.

VI. Social Security Provisions:

All field officers should ensure that comprehensive social security benefits are extended to both women and men workers as per the various provisions on social security contained in The Employees' Provident Fund and Miscellaneous Provisions Act, 1952, The Employees' State Insurance Act, 1948, The Employees' Compensation Act, 1923, etc.

VII. Provisions Related to Working Hours:

All field officers should ensure:

(a) Provision for weekly holidays, intervals for rest, and overtime pay to women workers as per the requirement and eligibility as per the provisions of the Factories Act, 1948 and Building & Other Construction Workers (RE&CS) Act, 1996 and the Corresponding Rules.
(b) Rest intervals, suitable working conditions, and other safeguards to promote the overall health, safety, and welfare of women workers in shops and other commercial establishments as per the provisions of the Shops and Establishments Act of the states.
(c) That no female contract labourer shall be employed by any contractor before 6.00 a.m. or after 7.00 p.m. as per the provisions of the Contract Labour Regulation Rules, 1971.

3. Moreover, it is being directed that all field officers shall ensure that contractor display an information board at work site, showing details, in vernacular language, of statutory obligations of the employer in respect of entitlements of women workforce. Standard information board prepared based on statutory obligations of employers shall be approved and circulated by the concerned principal employers.

4. The queries/complaints are to be addressed by concerned field officer within 7 days of time by corrective action and with intimation to the complainant.

5. Moreover, all field officer shall ensure, through concerned JE/AE appointed for the particular work, fortnightly awareness session of one-hour duration to all construction workers, with an exclusive session for women workers to understand their concerns and to apprise them about entitlements.

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

Annexure

A. Equal Remuneration Act, 1976

4. Duty of employer to pay equal remuneration to men and women workers for same work or work of a similar nature. -- (1) No employer shall pay to any worker, employed by him in an establishment or employment, remuneration, whether payable in cash or in kind, at rates less favourable than those at which remuneration is paid by him to the workers of the opposite sex in such establishment or employment for performing the same work or work of a similar nature.

(2) No employer shall, for the purpose of complying with the provisions of sub-section (1), reduce the rate of remuneration of any worker.

(3) Where, in an establishment or employment, the rates of remuneration payable before the commencement of this Act for men and women workers for the same work or work of a similar nature are different only on the ground of sex, then the higher (in cases where

there are only two rates), or, as the case may be, the highest (in cases where there are only two rates), of such rates shall be the rate at which remuneration shall be payable, on and from such commencement, to such men and women workers:

Provided that nothing in this sub-section shall be deemed to entitle a worker to the revision of the rate of remuneration payable to him or her with reference to the service rendered by him or her before the commencement of this Act.

5. No discrimination to be made while recruiting men and women workers. -- On and from the commencement of this Act, no employer shall, while making recruitment for the same work or work of a similar nature, [2][or in any condition of service subsequent to recruitment such as promotions, training or transfer], make any discrimination against women except where the employment of women in such work is prohibited or restricted by or under any law for the time being in force:

Provided that the provisions of this section shall not affect any priority or reservation for scheduled castes or scheduled tribes, ex-servicemen, retrenched employees of any other class or category of persons in the matter of recruitment to the posts in an establishment or employment.

B. Maternity Benefit Act, 1961

3. In the principal Act, in section 5,— Amendment of section 5

(*A*) in sub-section (*3*)—

(*i*) for the words "twelve weeks of which not more than six weeks", the

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

words "twenty-six weeks of which not more than eight weeks" shall be substituted;

(*ii*) after sub-section (*3*) and before the first proviso, the following proviso shall be inserted, namely:—

"Provided that the maximum period entitled to maternity benefit by a woman having two or more than two surviving children shall be twelve weeks of which not more than six weeks shall precede the date of her expected delivery;";

(*iii*) in the first proviso, for the words "Provided that", the words "Provided further that" shall be substituted;

(*iv*) in the second proviso, for the words "Provided further that", the words "Provided also that" shall be substituted;

(*B*) after sub-section (*3*), the following sub-sections shall be inserted, namely:—

"(*4*) A woman who legally adopts a child below the age of three months or a commissioning mother shall be entitled to maternity benefit for a period of twelve weeks from the date the child is handed over to the adopting mother or the commissioning mother, as the case may be.

(*5*) In case where the nature of work assigned to a woman is of such nature that she may work from home, the employer may allow her to do so after availing of the maternity benefit for such period and on such conditions as the employer and the woman may mutually agree.".

4. Employment of, or work by, women prohibited during certain period. -- (1) No employer shall knowingly employ a woman in any establishment during the six weeks immediately following the day of her delivery or her miscarriage.

(2) No woman shall work in any establishment during the six weeks immediately following the day of her delivery of her miscarriage.

(3) Without prejudice to the provisions of section 6, no pregnant woman shall, on a request being made by her in this behalf, be required by her employer to do during the period specified in sub-section (4) any work which is of an arduous nature or which involves long hours of standing or which in any way is likely to interfere with her pregnancy or the normal development of the foetus, or is likely to cause her miscarriage or otherwise to adversely affect her health.

(4) The period referred to in sub-section (3) shall be –

(a) at the period of one month immediately preceding the period of six weeks, before the date of her expected delivery;
(b) any period during the said period of six weeks for which the pregnant woman does not avail of leave of absence under section 6.

5. Right to payment of maternity benefit. -- (1) Subject to the provisions of this Act, every woman shall be entitled to, and her employer shall be liable for, the payment of maternity benefit at the rate of the average daily wage for the period of her actual absence immediately preceding and including the day of her delivery and for the six weeks immediately following that day.

9. Leave for miscarriage. -- In case of miscarriage, a woman shall, on production of such proof as may be prescribed, be entitled to leave with wages at the rate of maternity benefit for a period of six weeks immediately following the day of her miscarriage.

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"11A. (1) Every establishment having fifty or more employees shall have the facility of creche within such distance as may be prescribed, either separately or along with common facilities :

Provided that the employer shall allow four visits a day to the creche by the woman, which shall also include the interval for rest allowed to her.

(2) Every establishment shall intimate in writing and electronically to every woman at the time of her initial appointment regarding every benefit available under the Act.".

C. The Contract Labour Regulation Rules,1971

41. **Rest rooms**- (1) In every place wherein contract labour is required to halt at night in connection with the working of the establishment to which the Act applies and in which employment of contract labour is likely to continue for 3 months or more the contractor shall provide and maintain rest rooms or other suitable alternative accommodation within fifteen days of the coming into force of the rules in the case of existing establishments, and within fifteen days of the commencement of the employment of contract labour in new establishment.

(2) If the amenity referred to in sub-rule (1) is not provided by the contractor within the period prescribed the principal employer shall provide the same within a period of fifteen days of the expiry of the period laid down in the said sub-rule.

(3) Separate rooms shall be provided for women employees.

(3)(i) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers, in proportion to their number.

(ii) Washing places for women shall be separate and screened to secure privacy.

53. (1) Where workers of both sexes are employed there shall be displayed outside each block of latrine and urinal a notice in the language understood by the majority of the workers "For Men only" or "For Women Only", as the case may be.

(2) The notice shall also bear the figure of a man or a woman, as the case may be.

[(x) no female contract labour shall be employed by any contractor before 6.00 a.m. or after 7.00 p.m.
Provided that this clause shall not apply to the employment of women in pithead baths, creches and canteens and so to mid-wives and nurses in hospitals and dispensaries]

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

D. Factories Act, 1948

18. Drinking water.—(*1*) In every factory effective arrangements shall be made to provide and maintain at suitable points conveniently situated for all workers employed therein a sufficient supply of wholesome drinking water.

1. Subs. by Act 20 of 1987, s. 7, for "three hundred and fifty cubic feet" (w.e.f. 1-12-1987).
2. Subs. by s. 7, *ibid.*, for "five hundred cubic feet" (w.e.f. 1-12-1987).
3. Subs. by s. 7, *ibid.*, for "fourteen feet" (w.e.f. 1-12-1987).

(*2*) All such points shall be legibly marked "drinking water" in a language understood by a majority of the workers employed in the factory, and no such point shall be situated within [1][six metres of any washing place, urinal, latrine, spittoon, open drain carrying sullage or effluent or any other source of contamination] unless a shorter distance is approved in writing by the Chief Inspector.

19. Latrines and urinals.—(*1*) In every factory—

(*a*) sufficient latrine and urinal accommodation of prescribed types shall be provided conveniently situated and accessible to workers at all times while they are at factory;

(*b*) separate enclosed accommodation shall be provided for male and female workers;

E. Employees' State Insurance Act, 1948

38. All employees to be insured

Subject to the provisions of this Act, all employees in factories or establishments to which this Act applies shall be insured in the manner provided by this Act.

39. Contributions

(1) The contribution payable under this Act in respect of an employee shall comprise contribution payable by the employer (hereinafter referred to as the employer's contribution) and contribution payable by the employee (hereinafter referred to as the employee's contribution) and shall be paid to the Corporation.

[67][(2) The contributions shall be paid at such rates as may be prescribed by the Central Government:

PROVIDED that the rates so prescribed shall not be more than the rates which were in force immediately before the commencement of the Employees' State Insurance (Amendment) Act, 1989.]

[68][(3) The wage period in relation to an employee shall be the unit in respect of which all contributions shall be payable under this Act.]

(4) The contributions payable in respect of each [69][wage period] shall ordinarily fall due on the last day of the [69][wage period], and where an employee is employed for part of the [69][wage period], or is employed under two or more employers during the same [69][wage period], the contributions shall fall due on such days as may be specified in the regulations.

50. Maternity benefit

The qualification of an insured woman to claim maternity benefit, the conditions subject to which such benefit may be given, the rates and period thereof shall be such as may be prescribed by the Central Government.]

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(EE (Contact)

F. Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act and Rules

39. **Drinking water, latrines, urinals and washing facilities.**- (1) The contractor shall provide sufficient quantity of wholesome drinking water, sufficient number of sanitary latrines and urinals, washing facilities for the migrant workmen at the establishment in the case of existing establishments, within seven days of commencement of these rules, and in case of new establishment, within seven days of the commencement of employment of migrant workmen therein.

(2) If any of the facilities is not provided by the contractor within the specified period, the same shall be provided by the principal employer within seven days of the expiry of the period specified in sub-rule (1).

G. The Building And Other Construction Workers (Regulation Of Employment And Conditions Of Service) Act, 1996

36. **First-aid.**—Every employer shall provide in all the places where building or other construction work is carried on such first-aid facilities as may be prescribed.

37. **Canteens, etc.**—The appropriate Government may, by rules, require the employer—

(*a*) to provide and maintain in every place wherein not less than two hundred and fifty building workers are ordinarily employed, a canteen for the use of the workers;

(*b*) to provide such other welfare measures for the benefit of building workers as may be prescribed.

H. Payment of Wages Act, 1936

[3. **Responsibility for payment of wages.**—(*1*) Every employer shall be responsible for the payment of all wages required to be paid under this Act to persons employed by him and in case of persons employed,—

(*a*) in factories, if a person has been named as the manager of the factory under clause (*f*) of sub-section (1) of section 7 of the Factories Act, 1948 (63 of 1948);

(*b*) in industrial or other establishments, if there is a person responsible to the employer for the supervision and control of the industrial or other establishments;

(*c*) upon railways (other than in factories), if the employer is the railway administration and the railway administration has nominated a person in this behalf for the local area concerned,

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Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

(*b*) in the case of contractor, a person designated by such contractor who is directly under his charge; and

(*c*) in any other case, a person designated by the employer as a person responsible for complying with the provisions of the Act;

the person so named, the person responsible to the employer, the person so nominated or the person so designated, as the case may be, shall be responsible for such payment.

(2) Notwithstanding anything contained in sub-section (*1*), it shall be the responsibility of the employer to make payment of all wages required to be made under this Act in case the contractor or the person designated by the employer fails to make such payment.]

4. Fixation of wage-periods.—(*1*) Every person responsible for the payment of wages under section 3 shall fix periods (in this Act referred to as wage-periods) in respect of which such wages shall be payable.

(*2*) No wage-period shall exceed one month.

5. Time of payment of wages.—(*1*) The wages of every person employed upon or in—

(*a*) any railway, factory or [industrial or other establishment] upon or in which less than one thousand persons are employed, shall be paid before expiry of the seventh day;

(*b*) any other railway, factory or [industrial or other establishment], shall be paid before the expiry of the tenth day;

after the last day of the wage-period in respect of which the wages are payable:

[Provided that in the case of persons employed on a dock, wharf or jetty or in a mine, the balance of wages found due on completion of the final tonnage account of the ship or wagons loaded or unloaded, as the case may be, shall be paid before the expiry of the seventh day from the day of such completion.]

(*2*) Where the employment of any person is terminated by or on behalf of the employer, the wages, earned by him shall be paid before the expiry of the second working day from the day on which his employment is terminated:

[Provided that where the employment of any person in an establishment is terminated due to the closure of the establishment for any reason other than a weekly or other recognised holiday, the wages earned by him shall be paid before the expiry of the second day from the day on which his employment is so terminated.]

(*3*) [Appropriate Government] may, by general or special order, exempt, to such extent and subject to such conditions as may be specified in the order, the person responsible for the payment of wages to persons employed upon any railway (otherwise than in a factory) [or to persons employed as daily-rated workers in the Public Works Department of [appropriate Government]] from the operation of this section in respect of the wages of any such persons or class of such persons:

[Provided that in the case of persons employed as daily-rated workers as aforesaid, no such order shall be made except in consultation with the Central Government.]

(*4*) [Save as otherwise provided in sub-section (*2*), all payments] of wages shall be made on a working day.

This issues with the approval of DG CPWD.

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

Issued from file No. CSQ/CM/17(1)/2024 **e-file** 9/6/2024...

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

10

R.K. JAIN
(EE (Contact)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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.

14.01.2025
3/1/25

(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)

03.01.25
R K SINGH
EE(Manual)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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

10.2.25
R K SINGH
EE(Manual)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

	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.**
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.	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.

10/2/2025

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

Issued from file No. CSQ/CM/17(1)/2025/Maintenance
e-file 9190123 (DFA/9315616)
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)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/17

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 06.11.2025

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

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

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

This is issued with the approval of DG CPWD.

06.11.2025

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

अधीक्षण अभियंता (सी.एण्ड एम.)

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

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

6/11/25

D.P. Jindal
EE (Contract)

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE

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 etc. if any shall be protected by suitable covering etc. during execution of work to prevent from dust / damage.

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. All T&P shall be arranged by the agency as required in the work. Nothing extra shall be payable on this account.

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. Decision of engineer-in-charge in this regard shall be final and binding to the agency.

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 god it complied which will be duly reviewed 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 labours deployed at site. The unused materials should be returned 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 as directed by the Engineer-in-charge without any further delay.

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 of material used at higher side for extra paid shall be rejected outright 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 limit then the work beyond theoretical consumption less than variation shall be treated as substandard work and nothing shall be paid to the work.

20. Scrapping shall be shown to the JE/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: -

1. Acrylic distemper.

(i) New work (two or more coats) 1.25 kg for 10sqm. (DAR Code 13.41.1)

(ii) Old work (one or more coats) 0.62 kg for 10sqm. (DAR Code 13.81)

2. Cement primer 0.70 ltr per 10 sqm. (DAR Code 13.41.1)

3. Water proofing cement paint.

(i) New work (Two or more coats) 3.84 kg for 10sqm. (DAR Code 13.44.1)

(ii) Old work (one or more coats) 2.20 kg for 10sqm. (DAR Code 13.109.1)

4. Acrylic emulsion paint.

(i) One coat 0.53 Ltr for 10sqm. (DAR Code 13.82.1)

(ii) Two coats 0.84 Ltr for 10sqm. (DAR Code 13.82.2)

5. Premium Acrylic Emulsion Paint

(i) One coat 0.38 Ltr for 10sqm (DAR Code 13.83.1)

(ii) Two coat 0.60 Ltr for 10sqm (DAR Code 13.83.2)

6 Synthetic enamel paint

(i) (Two or more coats on new work) 1.16 Ltr for 10sqm. (DAR Code 13.61.1)

(ii) (Two or more coats on new work) over an under coat shade with ordinary paint 0.75 Ltr for 10sqm. (DAR Code 13.62.1)

(iii) (One or more coats on old work) 0.70 Ltr for 10sqm. (DAR Code 13.99.1)

7 White washing with lime.

(i) New work (three or more coats) 0.03 Qtl for 10sqm. (DAR Code 13.37.1)

(ii) Old work (two or more coats) 0.02 Qtl for 10sqm. (DAR Code 13.87.1)

(iii) Old work (one or more coats) 0.01 Qtl for 10sqm. (DAR Code 13.87.2)

8 Road Marking Paint

(i) New work (Two or more coats) 2.79 Ltr for 10sqm. (DAR Code 16.47.1)

(ii) Old work (One or more coats) 1.66 Ltr for 10sqm. (DAR Code 16.47.2)

(iii) New work (Two or more coats) 1.48 Ltr for 10sqm. (DAR Code 16.48.1)

(iv) Old work (One or more coats) 0.89 Ltr for 10sqm. (DAR Code 16.48.2)

23. The operation of cleaning of sewerline / desilting of chamber, manhole / drain should be videography at each location of supersucker for a period of 10 minutes per day basis and providing them three sets of CD's as direction by engineer-in-charge.

24. Being a secured area contractor and their staff i/c WORKMAN required to get Police verification certificate from security authority through online request. Therefor contractor must apply online in advance for police verification to the security office so that he get necessary police verification in advance prior to date of start. If contractor fails to furnish Police Verification/ Clearance Certificate before start of work he will be responsible for this and no claims or extra time shall be given by this office.

25. The agency shall be make security passes for the Labours, Staff within 15 Days from the date of start of the work. This period shall not be considered in any hindrance on the part of department. Nothing extra shall be paid on this account.

Assistant Engineer,
2/R Sub-Divn, CPWD,
New Delhi - 110 001

SPECIAL CONDITIONS FOR STEEL

1. The contractor shall, at his own expense procure and provide all materials including cement and steel required for the work.

2. 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.

3. 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.

4. 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.

5. Special conditions for steel

Modified guidelines for use of reinforcement bars in structures.

5.1 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.

5.2 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.

5.3 The engineer-in-Charge shall get each consignment tested for both chemical composition and physical properties (including bend and re-bend test) as specified in IS : 1786 from NABL accredited laboratory or any Government laboratory.

5.4 Reinforcement bar is one of the most important building materials. Its quality directly affects the life spam, 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 TATA, SAIL, RINL, JSPL, JSW in the list of preferred makes Only corrosion resistant steel rebars shall be used.

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) The TMT bars procured from primary producers & ISP shall conform to manufacture's specifications.

(d) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.

(e) 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.

5.2 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.

5.3 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (1)(d) & (1)(e) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.

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

5.5 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.

5.6 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

5.7 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.

5.8 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.

5.9 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.

5.10 Contractor shall be permitted to use TMT reinforcement bars procured from ISP or secondary producers subject to rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs.7.60/- per kg. (Which includes Contractor's Profit and Over Heads as applicable).

5.11 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

5.12 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.

5.13 **(i)** Reinforcement including authorized spacer bars and lap pages 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.

(ii) The standard sectional weights referred to as in Table 5.4 in para 5.3.4 in CPWD Specifications (Vol-I) 2019 for Cement Mortar, Cement Concrete and RCC Works will be considered for conversion of length of various sizes of M.S. Bars and T.M.T. bars into Standard Weight.

(iii) Records of actual Sectional weights shall also be kept dia-wise and 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.

(iv) a) If the Derived Weight as in sub-para (iii) above is lesser than the Standard Weight as in Sub-para (ii) above then the Derived Actual Weight shall be taken for payment.

PARTICULAR SPECIFICATIONS CIVIL & DRAINAGE WORK.

1. EARTH WORK

The work shall be done in accordance with CPWD Specifications using mechanical equipment's and machinery as per site condition and without any damage to nearby 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 designated based on the principles given in IS: 456, 2000. The Contractor shall design mixes for each class of concrete indicating that the concrete ingredients and proportions will result in concrete mix meeting requirements specified. In case of use of admixture and or white cement, the mix shall be designed with these ingredients as well. The 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.

(a) I.I.T. Delhi.
(b) National Council for Cement & Building material, Ballabhgarh.
(c) C.R.R.I. Delhi.
(d) JMI University, Delhi.
(e) IIT, Roorkee.
(f) Any other Government College/Institution
(g) Any other lab approved by the competent authority/ Engineer-in-Charge.

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 In the event if all the three laboratories are unable to carry out the requisite design / testing, the contractor may have it done from any other laboratory with prior approval of the Engineer-in-charge.

3.4 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 white Portland cement and the likely use of admixtures where CC / RCC is done with concrete pumps in concrete with Pozzolona Portland / White Portland cement, the contractor shall design and test the concrete mix by using trial mixes with white cement and / or admixtures also, for which nothing extra shall be payable.

3.5 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 laboratory established at site shall be submitted by the contractor as per the direction of the Engineer-in-charge.

3.6 Approval of design mix:-

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

3.7 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.

3.8 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 IS: 456-2000

3.9 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.

ACCEPTANCE CRITERIA

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

3.10.2 <u>Ready Mix Concrete (RMC) from RMC producer</u>

3.10.3 The contractor shall be allowed to arrange Ready MIX concrete (RMC) from the RMC producing plants supplying concrete in Delhi / New Delhi / NCR

3.10.4 The contractor shall, within 15 days of award of the work, submit name of 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**.

3.10.5 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.

3.10.6 For all purposes the contractor shall carry out fully the responsibilities of the “placement contractor” and the “manufacturer of concrete”.

3.10.7 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.

3.10.8 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.

3.10.9 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.

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

3.10.11 <u>Quality control of Ready-mixed concrete</u>

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

(i) <u>Control of purchased material quality</u>

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) <u>Control of material storage</u>

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) <u>Record of mix design and mix design modification</u>

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**

(a) 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.

(b) 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.

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

(d) 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.

(e) Sampling of concrete, testing, monitoring of results.

(f) Diagnosis and correction of faults identified from observations/complaints

(g) 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.

3.10.12 **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.

3.10.13 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 centring, 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.

3.10.14 Rates:-

(i) The rate shall include the cost of materials and labour involved in the operations described above except for the cost of centring, 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.

3.10.15 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 Portland Pozzolana Cement 43 Grade conforming to 25:1489 (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 Enginee-in-Charge to do so.

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

11.3 The cement godown of the capacity to sotre 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 cemet 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.

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) MORTH 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 equipment's 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, CRRI or IIT Delhi or any other laboratory approved by the Engineer-in- charge.

1.5 The contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate himself, the result of such tests and consequences 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 CRRI / IIT, Roorkee / IIT, Delhi / DTU, Delhi any other Govt Engg. 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.**

2.0 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 (5^{th} 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

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 □ 50C 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 □ 50C, 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.

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^{0}C 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.

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

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.

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.
iii) 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.

2.1 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 103fulfillment 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.

4. 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.

APPENDIX – A

TESTING OF MATERIALS

A. CONCRETE WORKS - COARSE AGGREGATES

Test		Frequency		Ref. Codes
1.	**Particle size and Shape**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – I) - 1963
a)	Sieve Analysis	2.	Once in week	
b)	Flakiness Index and Elongation Index			
2.	**Deleterious Materials**	1.	At the beginning for approval of each source and change of source	IS : 383-1970 IS : 2386 (part – II) – 1963
		2.	One in 3 months	
3.	**Specific Gravity and Density**	1.	At the beginning for approval of each source and change of source	IS : 383-1970 IS : 2386 (part – III) – 1963
		2.	Once in a Fortnight	
4.	**Mechanical Properties**			IS : 383-1970 IS : 2386 (part – IV) – 1963
a)	Aggregate Crushing Value	1.	At the beginning for approval of each source and change of source	
b)	Impact Value	2.	Once in a week	
c)	10 percent fines	1.	At the beginning for approval of each source and change of source	
d)	Abrasion Value	2.	Once in 3 months	
5.	**I. Soundness**	1.	At the beginning for approval of each source and change of source	IS : 383-1970 IS : 2386 (part – V) – 1963
		2.	Once in 3 months	
6.	**Surface moisture content**	1.	At the beginning for approval of each source and change of source	IS : 383-1970 IS : 2386 (part – III) – 1963
		2.	At every change of mix design	
		3.	Every time making the concrete	
7.	**II. Alkali Reactivity**	1.	At the beginning for approval of each source and change of source	IS : 383-1970 IS : 2386 (part – VII) – 1963
		2.	Once in 3 months	
8.	**Petrographic Examination**	1.	At the beginning for approval of each source and change of source.	IS : 383-1970 IS : 2386 (part – VIII) – 1963
a)	Trade Group	2.	Once in 3 months	
b)	Petrological name and Description			
c)	Description of Bulk			
d)	Particle shape			
e)	Surface texture			

2. FINE AGGREGATES

Test		Frequency		Ref. Codes
1.	**Particle size**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – I) – 1963
		2.	Once in a month	
2.	**Deleterious Materials**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – II) – 1963
		2.	Once in a month	
3.	**Silt Content**	1.	At the beginning for approval of each source and change of source	
		2.	Once Daily	
4.	**Specific Gravity and Density**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – III) – 1963
		2.	Once in 3 months	
5.	**III. Water absorption**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – III) – 1963
		2.	Daily	
6.	**Soundness**	1.	At the beginning for approval of each source and change of source	IS::383-1970 IS: 2386 (part – U) – 1963
		2.	Once in 3 months	

3. WATER

Test		Frequency		Ref. Codes
1.	**IV. Chemical Analysis**	1.	Once at beginning for approval of each source and change of source	IS : 456:2000
a)	pH value	2.	Once in a months	
b)	Chlorides (as Cl)	3.	Chemical Tests daily in the site Laboratory with testing kits	IS:3025 (Part 24)
c)	Sulphates (as SO_3)			IS:3025 (Part 32)
d)	Neuterlisation with NaOH (with phenolphathalein as indicator)			IS:3025 (Part 22)
e)	Neuterlisation with H_2SO_4			IS:3025 (Part 23)

2.	**Physical Analysis**			
a)	Suspended matter	1.	Once at beginning for approval of each source and change of source	IS:3025 (Part 17)
b)	Organic matter	2.	Once in 3 months	IS:3025 (Part 18)
c)	Inorganic matter			IS:3025 (Part 18)

B. ROADS WORK

1. AGGREGATES FOR ROADS WORK (BITUMINUOUS BASE AND SURFACE COURSES)

(a) Bituminous Macadam (BM)

(b) Dense graded Bituminous Macadam (DBM)

(c) Bituminous Concrete (BC)

1. LIME

Test		Frequency		Ref. Codes
1.	**$CaCo_3$ Content**	1.	At the beginning for approval of each source and change of source	IS:1195-1978
2.	**Sieve Analysis**	2.	One test for every 5MT of lime consumption	

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 Material at Site (MAS) Register -

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

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

(iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If 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.

LIST OF PREFERRED MAKE OF MATERIALS
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 **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 **Engineer-in-Charge**, (See also conditions of contract).

Sl. No.	MATERIALS	APPROVED MAKE
1.	Structural Steel, Sections (MS Channel, I-section girders, beams, Joists, MS Angle 75x75x6mm & Above size, T-section 75x75x6mm & above,	Tata, Jindal, SAIL,
2.	Admixture	Fosroc, MC BAUCHEMIE, CICO/ CHOCKSEY/ BASF
3.	Bitumen	IOCL/HPCL/BP/HINCOL
4.	Injection Grouting	Pidilite (Dr. Fixit), SIKA, FOSROC CHOCKSEY/ DURA BUILD
5.	Locks/Latch	Godrej, Harrison, Plaza, Dorma, Yale
6.	Laminates	Formica, Decolam, Merino, Greenlam
7.	Stainless steel wire mesh	Sterling enterprises, Trimurty Welded Mesh
8.	Prelaminated MDF Board	Green Penelmax, Marino, Veer, Century, Greenpanel
9.	Adhesive	Pidilite, Dunlop, Vamorganic CHOCKSEY/ DURA BUILD
10.	Flush Door Shutters (Decorative/Non Decorative)	Duro, Merino, Century ply, Greenlam and JAYNA Doors, Jain wood Industries, Greenpanel
11.	Block Boards, Ply boards	DURO, CENTURY, Greenlam, JAYNA, Jain wood Industries., Greenpanel
12.	Hydraulic Door Closure/Floor spring	Hardwyn, Godrej, Dorma, Hafele
13.	Panic Exit Device	Ingerrsoll, Hardwyn, Everest
14.	Aluminium Extruded Profile	Hindalco, Jindal, Indalco
15.	Anodised Aluminium Hardwares (Heavy Type)	Hardima, Everite, Sigma (ISI marked), Earl Bihari. Dorma
16.	Tempered Glass	Modi Float, Saint Gobain, ASAHI, Glaverbel
17.	Polyster Powder Coating Shades	Nerolac, J&N
18.	Dash/anchoring Fasteners	Hilti/Fischer/Canon/Bosch
19.	Friction Stay Hinges	Earl- Bihari, Hettich, Securistyle
20.	Steel Nuts, Bolts and Screws	Kundan, Puja, Atul, Hilti
21.	EDPM Gasket	Hanu/Anand, Bohra
22.	Ceramic Tiles	Kajaria, Johnson, Nitco, Somany, Orient, RAK
23.	Vitrified Tiles (Double Charged/ Nano Tech) (GVT/Anti Skid/ Glossy/Matt finish 1st Quality).	Kajaria/ Johnson /Somany / Nitco/RAK
24.	Terrazzo Tiles	Nitco, Unistone, K.K Manhole, Dalal Tiles Industries
25.	Chequered Tiles	Nitco, Unistone, K.K Manhole, Dalal Tiles Industries
26.	Cement Concrete Tiles	NITCO, Unistone, Dalal Tiles Industries
27.	Tile Adhesive	CICO, PIDILITE FERROUS, Fosroc/ CHOKSEY, MYK Laticrete
28.	White Cement	Birla White, JK White
29.	Clay Tile on Roof	KENZAI, JOHNSON
30.	CC Pavers	NITCO, TUFTEK/K.K Pvt. Ltd./, Hindustan Tile, Dalal, NTC
31.	Water Proofing Cement Paint	Snowcem, ICI Dulux India Ltd. , Asian Paints
32.	Synthetic Enamel Paint (Premium Quality)	APCOLITE PREMIUM GLOSS ENAMEL OF ASIAN PAINTS, SYNTHETIC HI GLOSS OF NEROLAC, LUXOL HI GLOSS OF BERGER, GLOSS SYNTHETIC ENAMEL OF ICI-DULUX, MCON RASAYAN

33.	Acrylic/Plastic Emulsion Paint (Premium Quality)	ASIAN PAINTS (ROYAL LUXURY EMULSION), NEROLAC (IMPRESSION), BERGER (SILK), ICI DULUX (VELVET TOUCH), MCON RASAYAN
34.	Fire Clay Sink & Drain Board	Parryware, Hindware, Cera.
35.	Soil waste & Vent Pipes & fittings (a) Centrifugal Cast iron pipes	NECO, RIF, SKF, HIF, Kapilansh, Shalimar
36.	LA (CI) Pipes	Electro Steel, Kesoram
37.	G.I. Pipes & M.S. Pipe	TATA,JINDAL(Hissar), Prakash Surya
38.	G.I. Fittings (Malleable Cast Iron)	Unik, ICS, Zoloto, HB
39.	Gunmetal Valves (Full way chech Valves.)	Leader, Zoloto, SANT,
40.	Stone ware Pipes & Gully Traps	Perfect / Parry/Anand
41.	PVC Doors/Windows	Syntex, Rajshri, Jain Doors, JAYNA, Jain wood Industries.
42.	MS pipes	Kirloskar, Electro Steel.
43.	C.I. Double Flnaged Sluice Valves	Kirloskar, IVS, Burn, Zoloto Industries
44.	C.I. Double Flnaged Non Return Sluice Valves	Kirloskar, Zoloto Industries
45.	C.I. Manhole Covers	RIF, NECO, SKF
46.	UPVC pipes	Supreme, Prince, Finolex, Astral, Unitech
47.	SS Auto close Hinges	Hettich, Earl-Bihari
48.	Ball Valves	Zoloto, IBP, Arco
49.	Butterfly Valves	Audco, Zolotoz, Kirloskar
50.	Unglazed Vitrified Heavy Duty Tiles	Johnson-(Endura), Somany-(Dura Stone), Kajaria
51.	Spider Fittings	Dorma, Sevax, Hettich
52.	Mineral Fiber False ceiling	Armstrong or equivalent as per ISI codes, Diamond Ceiling
53.	APP	Bitumat co. Ltd., STP, Dermabit Technow NICOL/Torchtar, Asian Paint
54.	FRP Doors & Frames	Salectual Product Co., Fiber waves and JAYNA, Jain wood Industries..
55.	PVC /Synthetic Water Storage Tank	Sintex/Uniplast, Polycon
56.	RMC	ACC, Ultra Tech (Birla), RMC India, Lafarge, M/S NDCON Construction, V.K. Ready Mix Concrete Pvt. Ltd., M/s ANTRITECH PRIVATE LIMITED
57.	Indian/European WC, Wash Basin and other Sanitary Installation.	Parryware, Hindware, Cera, Jaquar
58.	C.P. Brass Fittings	Jaquar (Continental series), Kohler, Grohe
59.	Water Proofing compound	CICO, IMPERMO (By Snowcem India Ltd.) PIDILITE/ CHOKSEY / DURA BUILD/Fosroc.
60.	Stainless Steel Sink	Jayna/Neelkantha/Nirali
61.	Bevelled Edge Mirror	ATUL/JOLLY/MODIGAURD
62.	Glass Panes	Modi Guard/Saint Gobin/ASAHI
63.	Plaster of Paris	Shree Ram/Adhar Shree/Sakarni/DECOTOUCH
64.	Structural Steel MS Angle (ISI Mark) 75x75x5mm & below size, T-section (ISI Mark) 75x75x5mm & below size, MS Flates (ISI Mark)	Tata, Jindal, SAIL, Capital, RANA, Rastriya
65.	Wall Putty	JK WHITE, BIRLA WHITE, ASIAN, BERGER, SAKARNI PLASTER (INDIA) PVT. LTD. WALL GUARD, SIKA
66.	Cement	ACC, Birla, Ultratech, J.P. Rewa & Cement Corporation of India, J.K. Cement, Gujrat, Ambuja, Shree Cement, M/S Binani Cement, Vikram, Jaypee, Century.
67.	Aluminium hinges	Classic /Argent/Crown
68.	Steel Reinforcement (TMT Bars)	TATA, SAIL, RINL, JSPL, JSW
69.	Galvanised/ Galvalume Profile Sheets	Tata, Jindal, Bhushan Steel
70.	Metal False ceiling	Durlum, Armstrong, Dexune, Diamond Ceiling
71.	Acrylic Distemper	Nerolac, ICI India Ltd. Asian Paints.

72.	Smooth Exterior Paint.	APEX ULTIMA OF ASIAN PAINT, WEATHER SHIELD MAX OF ICI DULUX, XL TOTAL OF NEROLAC, WEATHER COAT ALL GUARD OF BERGER, GODAVARI, MCON RASAYAN
73.	Premium Exterior Paint with Silicon Additives	APEX ULTIMA OF ASIAN PAINT, WEATHER SHIELD MAX OF ICI DULUX, XL TOTAL OF NEROLAC, WEATHER COAT ALL GUARD OF BERGER, GODAVARI, MCON RASAYAN
74.	Acoustic Foldable movable partitions	Hafele, Dorma, Azazo
75.	Door Fittings	Hafele, Dorma, Hardwyn, Godrej
76.	PVC pipes & Fittings	Supreme, Finolex, AKG, SFMC
77.	Steel Primer	Nerolac, ICI India Ltd. Asian Paints.
78.	Wood Primer	Nerolac, ICI India Ltd. Asian Paints.
79.	Plastic Seat covers of W.C.	Commander, Diplomant, Hindware, Somany
80.	PVC flushing Cistern	Commander, Hindware (Slimline), Hindustan, Somany.
81.	Stainless Steel Railing	Connect Arch. Pvt. Ltd., Jindal S.S. Ltd., Geze, ICICH Inds., ESSAL, DORMA, D Line, Kitch
82.	C-PVC pipes	Astral, Ashirvad, Prince, Unitech
83.	Stainless Steel hard ware fittings	Dorma, Hafele, Godrej, Geze.
84.	Hermitically Sealed Performance glass & Toughened glass.	Saint Gobin, Asahi, Pilington, Viracon (Processed by theme or their approved Processors).
85.	Epoxy Paint	Asian, ICI, Kansai, Nerolac.
86.	Sanitary Fittings	Hindware, Parryware, Cera, Hindustan, Jaquar
87.	Textured Exterior Paint	Ultra tech texture paint, Spectrum, Heritage, Asian, Dulux (AkzoNobel)
88.	Gypsum Board	Saint Gobain, USG., Armstrong
89.	Calcium Silicate false ceiling i/c frame work	Aerolite, Hilux, Armstrong
90.	Glass Reinforced Jali	Uni Stone, Dalal, Ultra Tech
91.	AC Pipes	Mazza
92.	Micro concrete	FOSROC, CICO, Pidilite
93.	Wooden Door Frames	“JAYNA” from Jain Wood Industries
94.	Panelled & Wiremesh Door Shutter	“JAYNA” from Jain Wood Industries
95.	Gypsum/ Gypsum Plaster	DUDHI INDUSTRIES PRIVATE LIMITED
96.	Fire rated doors (wooden, metal & glazed) FHC door, Hollow Metal Pressed Steel doors.	“BHAWANI FIRE” M/s Bhawani Fire Protection Private Limited.
97.	Corian Sheet	Dupoint or equivalent
98.	Cement Board	Everest, Bison or equivalent
99.	UPVC window, UPVC Door, Door frames and windows	Fenesta, Encraft, LG or equivalent, Unitech
100.	SMC (Sheet Moulded Compound) Panel Tank	SINTEX, AMITEX, AMCON, FRP-TECH SOLUTIONS, POLYPLAST, SOVISY, DEVI POLYMERS.
101.	POLYCARBONATE SHEET	G.E. Lexon, Everest, Poly Tuff
102.	Sandwich PUF paneled roofing sheet	Jindal Mectec, Lloyd Insulations, Super Disco Ispat Pvt Ltd/ Platrone india
103	WPC (Wood Plastic Composite) Solid Door, Frame	Aalstone, Rajshree, Amulya
104	Aluminum Door Window S	Hindalco, Jindal
105	Glass Fiber Reinforced Gypsum (GRG) Ceiling	Diamond-Ceiling, UGG Board, Gyproc of Saint Gobain
106	Blinds	Vista, Decor, DECK, MAC, IKEA
107	Furniture	Godrej, Steelcase, Rockworth, Haworth, Durian, Woodtrot, Featherlite, HNI India or equivalent
108	SFRC Cover and grating / Precast RCC perforated drain covers	KK Manhole and gratings Co. Pvt. Ltd., Jain spun pipe co. Pragati Concrete Udyog, BIC, KAPILANSH DHATU UDHYOG, NECO, RIF, BCM, S.S. & CO.

109	RCC pipes	K.K Manhole and gratings, Jain spun pipe co., Lakshmi Sood & Sood pipe co., Pragati Concrete Udyog, USHA, DIWAN SPUN PIPE, J. K. SPUN PIPES
110	Prelaminated particle board	TESA Action Co./ Centuary/ Green Lam
111	Louvers Wall cladding	Alstone, Opulo
112	PVC Connection pipe/Waste Pipe	Astral, Ashirvad, Prince, Unitech

1. All items shall be of ISI Mark as per approved sample kept at site of work by the agency.

2. The contractor shall provide the materials as per the make or brand indicated above only. When two or more alternative/brands has been mentioned, the brand selected by the Engineer in charge shall be final & binding. The manufacturer certificate is also to be provided if required by the Engineer-in-Charge.

On Non-Judicial stamp paper of minimum Rs. 100/-)

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

Form of Bank Guarantee for Earnest Money Deposit

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.

2. We, …….. (indicate the name of 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 hereby undertake to pay the amound 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 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 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 the contractor shall have no claim against us for making such payment.
5. We,…….(indicate the name of Bank) ……, further agree that the Govermment shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers excercisable by the government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We,…… (indicate the name of the Bank)……., further agree that the Government at its option shall 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 upto…… unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs……..(Rupees…….only) and unless in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date…….

Witness.:

1. Signature …….
   Name and Address

Authorized signatory
Name
Designation
Staff Code No.
Bank seal

2. Signature…….
   Name and address

मात्रा की अनुसूचि **Schedule of Quantities**						
निविदा आमन्त्रण सूचना संख्या **Notice Inviting Tender No.**			**123/2026-27/R-Divn/Delhi**			
NAME OF WORK :	**A/R & M/o CGHQ, National Stadium, New Delhi (SH: Providing and stacking of material for attending day to day maintenance complaints)**					
Sl. No.	**Details of Item**	**Qty.**	**Unit**	**Rate**	**Rate in Words**	**Amount**
1	Supplying chemical emulsion in sealed containers including delivery as specified.				Rupees Two Hundred Thirty Four and Seventy Five Paise Only	
1.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	20.00	litre	234.75		4695.00
2	Providing and stacking at site/CPWD store G.I. pipes of approved make as per direction of Engineer-in-charge.				Rupees One Hundred Forty Two and Thirty Paise Only	
2.1	15 mm dia nominal bore	30.00	metre	142.30		4269.00
2.2	20 mm dia nominal bore	30.00	metre	184.85	Rupees One Hundred Eighty Four and Eighty Five Paise Only	5546.00
2.3	25 mm dia nominal bore	24.00	metre	262.00	Rupees Two Hundred Sixty Two Only	6288.00
3	Providing and stacking at site/CPWD store of Chlorinated Polyvinyl Chloride (CPVC) pipes of approved make as per direction of Engineer-in-charge.				Rupees Seventy Eight and Forty Five Paise Only	
3.1	20 mm nominal dia Pipes	30.00	metre	78.45		2354.00
3.2	25 mm nominal dia Pipes	30.00	metre	126.35	Rupees One Hundred Twenty Six and Thirty Five Paise Only	3791.00
4	Providing and stacking at site/CPWD store G.I. Union in G.I. pipe of approved make as per direction of Engineer-in-charge.				Rupees Fifty Eight and Seventy Paise Only	
4.1	15 mm nominal bore	30.00	each	58.70		1761.00
4.2	20 mm nominal bore	30.00	each	85.30	Rupees Eighty Five and Thirty Paise Only	2559.00
4.3	25 mm nominal bore	15.00	each	171.70	Rupees One Hundred Seventy One and Seventy Paise Only	2576.00
5	Providing and stacking at site/CPWD store ball valve (brass) of approved quality, High or low pressure, with plastic floats complete of approved make as per direction of Engineer-in-charge.				Rupees Three Hundred Twenty Eight and Twenty Paise Only	
5.1	15 mm nominal bore	10.00	each	328.20		3282.00
5.2	20 mm nominal bore	10.00	each	367.30	Rupees Three Hundred Sixty Seven and Thirty Paise Only	3673.00

5.3	25 mm nominal bore	10.00	each	355.95	Rupees Three Hundred Fifty Five and Ninety Five Paise Only	3560.00
6	Providing and stacking at site/CPWD store C.P. brass bib cock of approved quality conforming to IS:8931 as per direction of Engineer-in-charge.				Rupees Four Hundred Forty Five and Eighty Paise Only	
6.1	15 mm nominal bore	20.00	each	445.80		8916.00
7	Providing and stacking at site/CPWD store C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms as per direction of Engineer-in-charge.				Rupees Seven Hundred Twenty Seven and Ninety Five Paise Only	
7.1	15 mm nominal bore	20.00	each	727.95		14559.00
8	Providing and stacking at site/CPWD store C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 as per direction of Engineer-in-charge.				Rupees Five Hundred Nine and Fifty Paise Only	
8.1	15 mm nominal bore	20.00	each	509.50		10190.00
9	Providing and stacking at site/CPWD store uplasticised PVC connection pipe with brass unions of approved make as per direction of Engineer-in-charge.				Rupees Fifty Eight and Seventy Paise Only	
9.1	45 cm length and 15 mm nominal bore	30.00	each	58.70		1761.00
10	Providing and stacking at site/CPWD store P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete of quality as approved by Engineer - in - charge.				Rupees Sixty Two and Eighty Paise Only	
10.1	Flexible pipe, 32 mm dia	100.00	each	62.80		6280.00
11	Providing and stacking at site/CPWD store Aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade as approved by Engineer - in - charge.				Rupees Forty Five and Thirty Five Paise Only	
11.1	125 mm	10.00	each	45.35		454.00
12	Providing and stacking at site/CPWD store Aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade as approved by Engineer - in - charge.				Rupees Sixty Eight and Fifty Paise Only	
12.1	250x10 mm	10.00	each	68.50		685.00
13	Providing and stacking at site/CPWD store bright finished brass hanging type floor door stopper as approved by Engineer - in - charge.	10.00	each	107.20	Rupees One Hundred Seven and Twenty Paise Only	1072.00
14	Providing and stacking at site/CPWD store IS : 12817 marked stainless steel butt hinges (heavy weight) as approved by Engineer - in - charge.				Rupees Forty Six and Seventy Paise Only	
14.1	100x60x2.50 mm	50.00	each	46.70		2335.00

15	Providing and stacking at site/CPWD store Aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment of approved make and as approved by Engineer - in - charge.	30.00	each	798.25	Rupees Seven Hundred Ninety Eight and Twenty Five Paise Only	23948.00
16	Providing and stacking at site/CPWD store ISI marked IS : 1341 M.S. pressed butt hinges bright finished as approved by Engineer - in - charge.				Rupees Eleven and Forty Five Paise Only	
16.1	100x58x1.90 mm	10.00	each	11.45		115.00
17	Providing and stacking at site/CPWD store 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board of approved make and quality etc. as per direction of Engineer-in-charge.	5.00	each	655.50	Rupees Six Hundred Fifty Five and Fifty Paise Only	3278.00
18	Providing and stacking at site/CPWD store pre-cast R.C.C. manhole cover and frame of required shape and approved quality:				Rupees One Thousand Eight and Fifty Paise Only	
18.1	L D- 2.5					
18.1.1	Rectangular shape 600x450 mm internal dimensions	5.00	each	1008.50		5043.00
18.2	H D – 20				Rupees One Thousand Two Hundred Eighty Four and Twenty Five Paise Only	
18.2.1	Circular shape 560 mm internal diameter	5.00	each	1284.25		6421.00
19	Providing and stacking at site/CPWD store Portland cement (OPC-43 Grade) as per direction of Engineer-in-charge.	1.00	MT	6856.75	Rupees Six Thousand Eight Hundred Fifty Six and Seventy Five Paise Only	6857.00
20	Providing and stacking at site/CPWD store White Cement as per direction of Engineer-in-charge.	10.00	kg	13.95	Rupees Thirteen and Ninety Five Paise Only	140.00
21	Providing and stacking at site/CPWD store Coarse sand (Zone-III) as per direction of Engineer-in-charge.	1.00	cum	1928.30	Rupees One Thousand Nine Hundred Twenty Eight and Thirty Paise Only	1928.00
22	Providing and stacking at site/CPWD store Stone aggregate 20 mm nominal size as per direction of Engineer-in-charge.	2.00	cum	1895.05	Rupees One Thousand Eight Hundred Ninety Five and Five Paise Only	3790.00
23	Providing and stacking at site/CPWD store stainless steel soft closing heavy type telescopic drawer channels 500 mm long of approved make & quality etc. as per direction Engineer - in - charge.	10.00	One set	797.15	Rupees Seven Hundred Ninety Seven and Fifteen Paise Only	7972.00

24	Providing and stacking at site/CPWD store powder coated telescopic drawer channels 300 mm long of approved make & quality etc. as per direction Engineer - in - charge.	10.00	One set	356.95	Rupees Three Hundred Fifty Six and Ninety Five Paise Only	3570.00
25	Providing and stacking at site/CPWD store chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality etc. as per direction Engineer - in - charge.	20.00	each	724.95	Rupees Seven Hundred Twenty Four and Ninety Five Paise Only	14499.00
26	Providing and stacking at site/CPWD store white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including suitable brackets of approved make etc. as per direction Engineer - in - charge.	2.00	each	6372.95	Rupees Six Thousand Three Hundred Seventy Two and Ninety Five Paise Only	12746.00
27	Providing and stacking at site/CPWD store floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litre with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc. as per direction of Engineer-in-charge.	3.00	each	13660.55	Rupees Thirteen Thousand Six Hundred Sixty and Fifty Five Paise Only	40982.00
28	Providing and stacking at site/CPWD store P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.				Rupees Eight Hundred Forty One and Fifty Five Paise Only	
28.1	(a) 10 litre capacity - White	5.00	each	841.55		4208.00
29	Providing and stacking at site/CPWD store PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.				Rupees One Hundred Eighteen and Ten Paise Only	
29.1	(a) 15 mm nominal bore, 105 mm long, weighing not less than 138 gms	20.00	each	118.10		2362.00
29.2	(b) 20 mm nominal bore, 120 mm long, weighing not less than 198 gms	20.00	each	175.80	Rupees One Hundred Seventy Five and Eighty Paise Only	3516.00
29.3	(c) 25 mm nominal bore, 152mm long, weighing not less than 440 gms	10.00	each	411.80	Rupees Four Hundred Eleven and Eighty Paise Only	4118.00

30	Providing and stacking at site/CPWD store premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre all complete as per direction of Engineer-in-charge.	40.00	Litre	281.90	Rupees Two Hundred Eighty One and Ninety Paise Only	11276.00
31	Providing and stacking at site/CPWD store Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 all complete as per direction of Engineer-in-charge. (a) Kitchen sink with drain board of size 510x1040 mm bowl depth 250 mm.	3.00	each	4296.35	Rupees Four Thousand Two Hundred Ninety Six and Thirty Five Paise Only	12889.00
32	Providing and stacking at site/CPWD store double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors of approved make as per direction of Engineer-in-charge.	5.00	each	2186.95	Rupees Two Thousand One Hundred Eighty Six and Ninety Five Paise Only	10935.00
					TOTAL 1 TO 32	**271199.00**
	Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973					**263877.00**
					Add 4.03% Cost Index	**10634.00**
					TOTAL (A)	**274511.00**
33	Providing and stacking at site/CPWD store SS Hose Breaded Connection Pipe Cat No. PCP-3610 (24") of PRIMA make or equivalent of Jaquar, Kohler, Grohe make as per direction of Engineer-in-charge.	20.00	each	214.55	Rupees Two Hundred Fourteen and Fifty Five Paise Only	4291.00
34	Providing and stacking at site/CPWD store Hand Shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook with N.R.V (Back Flow Preventer) Cat No. ALD-577 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	25.00	each	1425.30	Rupees One Thousand Four Hundred Twenty Five and Thirty Paise Only	35633.00
35	Providing and stacking at site/CPWD store Corner Glass Shelf (with Bracket) Cat No.ACN-1173 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	1225.35	Rupees One Thousand Two Hundred Twenty Five and Thirty Five Paise Only	6127.00
36	Providing and stacking at site/CPWD store Stainless steel Single Towel Rail 600mm Long Cat No.ACN-1111SM of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	10.00	each	1184.20	Rupees One Thousand One Hundred Eighty Four and Twenty Paise Only	11842.00

37	Providing and stacking at site/CPWD store Stainless steel Towel Ring Square with Round Flange Cat No.ACN-1121N of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	10.00	each	1122.25	Rupees One Thousand One Hundred Twenty Two and Twenty Five Paise Only	11223.00
38	Providing and stacking at site/CPWD store Overhead Shower 150X150mm Squarel Shape Single Flow (ABS Body Chrome Plated with Gray Face Plate) with Rubit Cleaning System Cat No.OHS-35495 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	2368.50	Rupees Two Thousand Three Hundred Sixty Eight and Fifty Paise Only	11843.00
39	Providing and stacking at site/CPWD store Shower Arm Casted 190mm Long Flat Shape for Wall Mounted Showers with Flange Cat No.SHA-483 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	908.65	Rupees Nine Hundred Eight and Sixty Five Paise Only	4543.00
40	Providing and stacking at site/CPWD store Soap Dispenser with Glass Bottle Cat No.ACN-1135N of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	1217.10	Rupees One Thousand Two Hundred Seventeen and Ten Paise Only	6086.00
41	Providing and stacking at site/CPWD store Soap Dish Holder Cat No.ACN-1131N of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	661.90	Rupees Six Hundred Sixty One and Ninety Paise Only	3310.00
42	Providing and stacking at site/CPWD store 2 Way Bib Cock with Wall Flange Cat No.OPP-15041PM of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	1898.40	Rupees One Thousand Eight Hundred Ninety Eight and Forty Paise Only	9492.00
43	Providing and stacking at site/CPWD store Bib Cock with Wall Flange Cat No.OPP-15037PM of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	1692.80	Rupees One Thousand Six Hundred Ninety Two and Eighty Paise Only	8464.00
44	Providing and stacking at site/CPWD store Thin Rim Table Top Basin, Shape - Rectangular, Size: 495x395x150 mm Cat No.JDS-WHT-25909 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	3.00	each	3728.95	Rupees Three Thousand Seven Hundred Twenty Eight and Ninety Five Paise Only	11187.00
45	Providing and stacking at site/CPWD store Waste coupling 32mm Size Full Thread with 80mm height Cat No.ALD-705 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	10.00	each	464.30	Rupees Four Hundred Sixty Four and Thirty Paise Only	4643.00

46	Providing and stacking at site/CPWD store Pillar Cock with 200mm Extension Body Cat No.OPP-15021PM of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	7.00	each	2431.80	Rupees Two Thousand Four Hundred Thirty One and Eighty Paise Only	17023.00
47	Providing and stacking at site/CPWD store Single Lever Basin Mixer without Popup Waste System with 450mm Long Braided Hoses Cat No.ALI-85011B of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	5433.80	Rupees Five Thousand Four Hundred Thirty Three and Eighty Paise Only	27169.00
48	Providing and stacking at site/CPWD store Single Lever Tall Boy with 125mm Extension Body Fixed Spout without Popup Waste System with 600mm Long Braided Hoses Cat No.ALI-85005B of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	6544.10	Rupees Six Thousand Five Hundred Forty Four and Ten Paise Only	32721.00
49	Providing and stacking at site/CPWD store Urinal Valve Auto Closing System with Built-in Control Cock & Wall Flange Cat No.PRS-077 of Jaquar make or equivalent of Kohler, Grohe make as per direction of Engineer-in-charge.	5.00	each	2102.00	Rupees Two Thousand One Hundred Two Only	10510.00
50	Providing and stacking at site/CPWD store G.I. Elbow of Unik or equivalent make as per direction of Engineer-in-charge.				Rupees Forty Seven and Eighty Five Paise Only	
50.1	15 mm nominal bore	50.00	each	47.85		2393.00
50.2	20 mm nominal bore	50.00	each	83.20	Rupees Eighty Three and Twenty Paise Only	4160.00
50.3	25 mm nominal bore	25.00	each	110.35	Rupees One Hundred Ten and Thirty Five Paise Only	2759.00
51	Providing and stacking at site/CPWD store G.I. Socket of Unik or equivalent make as per direction of Engineer-in-charge.				Rupees Forty One and Twenty Five Paise Only	
51.1	15 mm nominal bore	25.00	each	41.25		1031.00
51.2	20 mm nominal bore	25.00	each	69.20	Rupees Sixty Nine and Twenty Paise Only	1730.00
51.3	25 mm nominal bore	20.00	each	93.05	Rupees Ninety Three and Five Paise Only	1861.00

52	Providing and stacking at site/CPWD store G.I. Barrel Nipple of Unik or equivalent make as per direction of Engineer-in-charge.				Rupees Thirty Eight and Eighty Paise Only	
52.1	15 mm nominal bore and 3" long	50.00	each	38.80		1940.00
52.2	15 mm nominal bore and 6" long	50.00	each	57.70	Rupees Fifty Seven and Seventy Paise Only	2885.00
52.3	15 mm nominal bore and 9" long	20.00	each	86.50	Rupees Eighty Six and Fifty Paise Only	1730.00
52.4	20 mm nominal bore and 3" long	50.00	each	43.70	Rupees Forty Three and Seventy Paise Only	2185.00
52.5	20 mm nominal bore and 6" long	50.00	each	78.25	Rupees Seventy Eight and Twenty Five Paise Only	3913.00
52.6	20 mm nominal bore and 9" long	20.00	each	116.90	Rupees One Hundred Sixteen and Ninety Paise Only	2338.00
53	Providing and stacking at site/CPWD store G.I. Plug of Unik or equivalent make as per direction of Engineer-in-charge.				Rupees Twenty Three and Fifteen Paise Only	
53.1	15 mm nominal bore	10.00	each	23.15		232.00
53.2	20 mm nominal bore	10.00	each	30.55	Rupees Thirty and Fifty Five Paise Only	306.00
53.3	25 mm nominal bore	10.00	each	43.70	Rupees Forty Three and Seventy Paise Only	437.00
54	Providing and stacking at site/CPWD store G.I. Tank nipple of Unik or equivalent make as per direction of Engineer-in-charge.				Rupees Ninety Four and Seventy Paise Only	
54.1	15 mm nominal bore	10.00	each	94.70		947.00
54.2	20 mm nominal bore	10.00	each	130.90	Rupees One Hundred Thirty and Ninety Paise Only	1309.00
55	Providing and stacking at site/CPWD store Stainless steel floor grating jali of approved quality and colour.(Circular type.) 100 mm nominal dia.	50.00	each	60.00	Rupees Sixty Only	3000.00
56	Providing and stacking at site/CPWD store Door Stopper for Wooden & Framed Doors of Model No. OZ-DST-55E STD SN of OZONE make or equivalent of HAFELE, Dorma, Dorset make of approved quality and design as per direction of Engineer-in-charge.	20.00	each	221.20	Rupees Two Hundred Twenty One and Twenty Paise Only	4424.00

57	Providing and stacking at site/CPWD store C.P Brass Sink Mixer with Swinging Casted Spout (Wall Mounted Model) with Connecting Legs & Wall Flanges of JAQUAR Make Model No. SOL-6309 of approved quality and design or equivalent of Kohler, Grohe as per direction of Engineer-in-charge.	3.00	each	4214.90	Rupees Four Thousand Two Hundred Fourteen and Ninety Paise Only	12645.00
58	Providing and stacking at site/CPWD store Single Lever Wall Mixer 3-in-1 System with Provision for Both Hand Shower & Overhead Shower Complete with 115mm Long Bend Pipe, Connecting Legs & Wall Flange Model No. OPP-15125PM of Jaquar make with Maze Hand Shower 95mm Round Shape Single Flow (Face Plate Stainless Steel & ABS Body) with Rubit Cleaning System Model No. HSH-1653 of Jaquar make of approved quality and design or equivalent of Kohler, Grohe as per direction of Engineer-in-charge.	3.00	each	9273.00	Rupees Nine Thousand Two Hundred Seventy Three Only	27819.00
	Sum of Market Rate Items including 18% GST (Serial No. 33 to 58) (B)					**296151.00**
					TOTAL (A+B)	**570662.00**

Assistant Engineer,
2/R Sub–Division, CPWD,
CGHQ, New Delhi