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Name of Work: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

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Certified that this draft NIT contains 1 to 200 pages

Assistant Engineer (P) Executive Engineer -II

GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT

PERCENTAGE RATE NOTICE INVITING TENDER

NIT No.	**:**	**42/2026-27/EE-II/Bengaluru**
Name of Work	**:**	Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru
Estimated cost	**:**	**Rs.19,08,739/-**
Earnest Money	**:**	**Rs.38,175/-**
Performance Guarantee	**:**	**Performance Guarantee:** (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
Security Deposit	**:**	2.5% of tendered value
Time Allowed	**:**	2 Months

Certified that this NIT contains **1 to 218** pages.

NIT amounting to **Rs.19,08,739/-** (Rupees Nineteen Lakhs Eight Thousand Seven Hundred and Thirty Nine only) is hereby approved.

Assistant Engineer (P) Executive Engineer-II

Name of work: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

PART–A

For all components of work

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Information and Instructions for Bidders for e-Tendering forming part of Bid Document

1. **The Executive Engineer-II, CPWD, 12th floor, Sir Visvesvaraya Kendriya Bhavan, Near Domlur Flyover, Bengaluru-560071.** Phone No.080-25352466, (**Email: bcd2cpwd1@gmail.com**) on behalf of President of India invites online **percentage rate bids** from eligible & approved CPWD Enlisted contractors of appropriate class and category for the following work:

Sl. No	Description	Details
a	NIT No	**42/2026-27/EE-II/Bengaluru**
b	Type of bid	~~Percentage rate composite bids /~~ Percentage rate bids
c	System of bid	Single bid system ~~/ two or three bid system~~
d	Name of Work & location	Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru
e	Estimated cost put to tender (Rs.)	**Rs.19,08,739/-**
f	Earnest Money	**Rs.38,175/-**
g	Executive Engineer inviting tender	**The Executive Engineer-II, CPWD, 12th floor, Sir Visvesvaraya Kendriya Bhavan, Near Domlur Flyover, Domlur, Bengaluru-560071.** Phone No.080-25352466, (**Email: bcd2cpwd1@gmail.com**)
h	Executive Engineer in whose favour EMD is to be drawn	Executive Engineer, BCD II, CPWD, Bengaluru.
i	Stipulated Period of Completion of work	2 Months
j	Last time & date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document	Up to 15:00 on 13.11.2026.

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

k	Date & time of opening of bid	At 15:30 Hrs on 13.11.2026	
l	Details of the Bank for submission of EMD and Performance Guarantee	Name of Account Holder	Executive Engineer, BCD II, CPWD, Bengaluru.
		Name of the Bank & Branch	State Bank of India, Bengaluru Main Branch, #65, St. Marks Road, SBI LHO Compound, Bengaluru, Karnataka – 560001
		Bank Account Number	10977270788
		IFSC Code	SBIN0000813
		PAO Code	043951
		CDDO Code	143975

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

2(a) The intending bidder must read the terms and conditions of CPWD 6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

2(b) The information and instructions for bidders posted on the website shall form part of bid document.

3) The Bid documents consisting of 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, CPWD, within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of **Executive Engineer, BCD II, CPWD, Bengaluru,** receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.

EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted

5) Those contractors not registered or not have updated their profile on the website mentioned above, are required to get registered/ updated their profile beforehand. The necessary training material including the videos with step-to-step process are available on download section of https://etender.cpwd.gov.in.

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

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

8) Contractor can upload documents in JPG format and PDF format.

9) Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in Yellow colour and the moment rate is entered, it turns sky blue.

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

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

10) ~~The intending bidders are advised to visit the site before attending the pre-bid meeting to have more clarity about the site conditions and availability of space for execution of the work.~~

11) ~~Pre-bid conference shall be held with the intending bidders in the office of the~~ **~~Chief Engineer, Bangalore, CPWD, Kendriya Sadan, Koramangala, Bangalore~~** ~~at~~ **~~…… ## …… on …… ## ……~~** ~~to clear the doubt of intending bidders if any. Bidders shall send their queries, before pre-bid conference, latest by ..... on ..... to the office of~~ **~~The Executive Engineer inviting tender.~~** ~~As a result of pre-bid conference, certain modifications may be issued to all eligible bidders by the Engineer in charge, if felt necessary by him and the same shall form a part of the tender document.~~

12) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP “Train the Trainers Programme” conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD before last date of submission of Bids. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP.

From 01.07.2024, the enlisted contractor will not be allowed to participate in the tendering process without uploading the certificate of above training. The bid uploaded without attaching the certificate of ERP Training will not be considered for opening of Technical Bid and such bids will be REJECTED.

13) **List of Mandatory Documents to be scanned and uploaded in JPG format or PDF format within the period of bid submission:**

1.	Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque/ Fixed Deposit Receipt/ Bank Guarantee/ e-Bank Guarantee (For balance amount) of any Commercial Bank against EMD {Bank Guarantee/ e-Bank Guarantee is to be submitted in prescribed format attached in the bid document **(Appendix-A3)}**
2.	Copy of Receipt for deposition of original EMD to division office of any EE, CPWD **(Annexure-A)** Scanned copy of original Bank Guarantee including e-Bank Guarantee of any commercial bank against EMD
3.	Copy of Enlistment Order in appropriate Class and Category issued by CPWD, Contractors
4.	GST Registration Certificate, if already obtained by the Bidder. If the Bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents. "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 a/c of the work executed and/or for any action taken by CPWD or GST Department in this regard" **(Appendix-A4)**
5.	Letter of transmittal as per **Annexure-B**
6.	ERP Training certificate regarding successful completion of ERP Training

Executive Engineer-II
CPWD, Bengaluru

भारतसरकार

Government of India

केंद्रीयलोकनिर्माणविभाग

Central Public works Department

o/o the Executive Engineer-II, CPWD, 12th floor,
Sir Visvesvaraya Kendriya Bhawan, near Domlur flyover,
Domlur, Bengaluru-560071

Tel: 080-25352466 email:bcd2cpwd1@gmail.com

ख्या.69(1)/EE-II/2026-27/ दिनांक. 06.10.2026

Copy to:

1) The Executive Engineers-I, EE-III, EE-IV, EE(Ele)-I, EE(Ele)-II, CPWD, Bengaluru.
2) The Executive Engineer-Mysore, EE-Hubli, EE-Challakere.
3) All Assistant Engineers-1/II, 3/II, 4/II, CPWD, Bengaluru.
4) AAO/Notice Board of EE-II, CPWD, Bengaluru.

Executive Engineer-II
CPWD, Bengaluru

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

CPWD – 6 for e-Tendering

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: KARNATAKA **ZONE: BANGALORE**

DIVISION: EE-II **BRANCH: B & R**

1. **The Executive Engineer-II, CPWD, 12th floor, Sir Visvesvaraya Kendriya Bhavan, Near Domlur Flyover, Bengaluru-560071.** Phone No.080-25352466, (**Email: bcd2cpwd1@gmail.com**) on behalf of President of India invites online **percentage rate bids** from eligible & approved CPWD Enlisted contractors of appropriate class and category for the following work

   Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

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

1.1 The work is estimated to cost **Rs.19,08,739/-.** This estimate, however, is given merely as a rough guide. However, the bidders are required to conduct their own market survey to obtain the latest prevailing rates in the market and to work out their tendered rates accordingly.

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

3. The time allowed for carrying out the work will be **2 Months** from the date of start as defined in Schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

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

   Or

   ~~The site for the work shall be made available in parts as specified in schedule A to F.~~

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

   Or

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

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

6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).

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

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

9. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks (drawn in favour of **Executive Engineer, BCD II, CPWD, Bengaluru)** shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or Division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE) shall issue a receipt of deposition of Earnest Money deposit to the bidder in a prescribed format (enclosed Annexure "A") uploaded by tender inviting EE in the NIT.

EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted

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

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

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

The bid submitted shall be opened at 15:30 hrs on **13.11.2026**

10. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:

(i) The bidder is found ineligible.

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

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

11. The contractor, whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee including e-Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

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

12. The description of the work is

    "Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru."

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

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

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

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

16. The contractor (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 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 exempted from Clause-25.

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

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

    (i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender after expiry of 7 days after last date and time (24 hours basis) of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered.

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

19. This notice inviting Bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:

(a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7 or other Standard CPWD form as applicable & General Conditions of Contract (as mentioned in the Schedule A to F).

20 The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/ uploading tender can be resolved through the concerned Executive Engineer/ Assistant Engineer inviting tender (as mentioned at Sl. No. 1 of Information and Instructions for Bidders for e-Tendering forming part of Bid Document) 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.

21 It will be obligatory on the part of the tenderer to sign the Agreement for all components before the first payment is released.

Appendix-A3

On non-judicial stamp paper of minimum Rs.100/-

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

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

1. Whereas the Executive Engineer ……##…… (details of division inviting tender) ……., 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) in favour of ……##…… (details of EE in whose favour BG is to be drawn) …… valid upto (date)* ……. as Earnest Money Deposit from …… (name and address of contractor) ……. (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

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

2. We, ……. (indicate the name of the bank) ……. (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. …… (Rupees …… only) on demand by the Government within 10 days of the demand.

3. We, ……. (indicate the name of the Bank) ……., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs……. (Rupees …….. only).

4. We,…….. (indicate the name of the Bank) ……., further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

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

6. We, ……. (indicate the name of the Bank) ……., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, …… (indicate the name of the Bank) ……, undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to …… unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. …….. (Rupees ……. only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date ……..

Witnesses:

1. Signature …… Authorized signatory
Name and address Name
Designation
Staff code No.

2. Signature …… Bank seal
Name and address

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

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

Annexure-A

Proforma of Receipt of Original EMD

1. The EE/ Engineer in charge/ DDH of any divisions/ projects of CPWD or any other officer designated by CPWD Directorate from time to time, are authorised to receive the EMDs. These authorities should receive the original EMD for their tenders or tenders of any other division/ projects.

2. The NIT approving authority/ Tender inviting authority at the time of issue of NIT also fills and upload the following prescribed format of receipt of deposition of original EMD along with NIT (Format is given at next page).

   The Authority receiving EMD in original form examines the EMD deposited by the bidder and issues receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting authority. The receipt can also be issued by any subordinate gazetted authority as authorised by the EE/ Engineer in charge/ DDH.

3. The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/ fax/ telephonically.

4. The original EMD receiving authority releases the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier, after verification from the e-tendering portal website (***https://etender.cpwd.gov.in>closedTender>all***) that the particular contractor is not L-1 tenderer and work is awarded.

5. The tender inviting authority will call for original EMD of the L1 tenderer from EMD receiving authority immediately.

RECEIPT OF DEPOSITION OF ORIGINAL EMD **(Receipt No. …… / Date …….)**			
1.	Name of work	:	Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru
2.	NIT No:	:	**42/2026-27/EE-II/Bengaluru**
3.	Estimated Cost	:	**Rs.19,08,739/-**
4.	Amount of EMD	:	**Rs.38,175/-**
5.	Last date of submission of bid	:	Up to 15:00 Hrs on 13.11.2026

1.	Name of Contractor	……#……
2.	Form of EMD	……#……
3.	Amount of Earnest Money Deposit	……#……
4.	Date of submission of EMD	……#……
5.	Email ID	……#……
6.	Mobile No.	……#……

Signature, Name and Designation of EMD receiving officer along with Office stamp

To be filled by Executive Engineer

To be filled by EMD receiving EE/DDH

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

APPENDIX–A4

Undertaking for GST Registration Certificate

To

The Executive Engineer-II
12th Floor, CPWD,
Sir Visvesvaraya Kendriya Bhawan,
Domlur, Bengaluru – 560071

Subject: Name of Work: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

Dear Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit that we are not having GST registration in the state of Karnataka hence we here by undertake the following:

“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 a/c of the work executed and/or for any action taken by CPWD or GST Department in this regard.”

Signature of Bidder (s) or
an authorized Officer of the firm with stamp & seal

Annexure-B

Letter of Transmittal

From:

To

The Executive Engineer-II
12th Floor, CPWD,
Sir Visvesvaraya Kendriya Bhawan,
Domlur, Bengaluru – 560071

Subject: Submission of bids for the work of: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

Sir,

Having examined the details given in the bid document for the above work, I/we hereby submit the eligibility criteria documents and other relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed Forms, Appendices and accompanying statement are true and correct.
2. I/We have furnished all information and details necessary for eligibility and have no further pertinent information to supply.
3. I/We authorize the Executive Engineer and other officials of CPWD to approach individuals, employers, firms, corporation, etc. to verify our details, competence and general reputation.
4. Certificate: It is certified that the informations given by me / us in the bid are correct. It is also certified that I/We shall be liable to be debarred, disqualified/ cancellation of enlistment in case any information furnished by me/ us is found to be incorrect.

Enclosures:

Name of Bidder:
Contact Address: Signature(s) of Bidder(s)
Email Id of Bidder: Seal of bidder
Mobile Number of Bidder(s):

CPWD-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: KARNATAKA **ZONE : BANGALORE ZONE**

DIVISION: EE-II **BRANCH : B & R**

Percentage Rate Tender & Contract for Works

Tender for the work of: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

(i) To be uploaded by 15:00 hours on 13.11.2026 upload at https://etender.cpwd.gov.in

(ii) To be opened in presence of tenderers who may be present at 15.30 hours on 13.11.2026 in the office of the Executive Engineer-II, CPWD, Sir Visvesvaraya Kendriya Bhawan, Domlur, Bengaluru

TENDER

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

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

I/We agree to keep the tender open for 30 (Thirty) days from the due date of its opening in case of single bid system and 75 (Seventy five) days from the date of opening of technical bid in case tenders are inviting on 2/ 3 bid/ system for specialised work and not to make any modification in its terms and conditions.

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

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (Strike out as the case may be).

If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12 of the tender form.

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

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

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

Dated: Signature of Contractor

Witness: Postal Address

Address:

Occupation:

Acceptance

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

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

(a) ……##……
(b) ……##……
(c) ……##……

For & on behalf of the President of India

Signatures : ……##……

Dated: ……##…… Designation : ……##……

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Proforma of Schedules

(Combined Performa for Civil ~~& Electrical~~ / ~~Civil, Electrical & Horticulture~~ components of work)

~~(Separate Performa for Civil, Electrical & Horticulture~~ ~~Works in case of Composite Tenders)~~

SCHEDULE 'A' Schedule of quantities	**:**	As per Part-D
SCHEDULE 'D' Extra schedule for specific requirements / documents for the work, if any	**:**	As per bid document
SCHEDULE 'E' Reference to General Conditions of Contract	**:**	Applicable GCC is ~~CPWD General Conditions of Contract Construction Works 2023 / CPWD General Conditions of Contract EPC Projects 2024/~~ CPWD General Conditions of Contract Maintenance works 2023 as modified and corrected upto the previous day of last date of submission of bid.

Name of Work: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

	Estimated cost of work	**:**	**Rs.19,08,739/-**
(i)	Earnest Money	**:**	**Rs.38,175/-** to be returned after receiving PG
(ii)	Performance Guarantee	**:**	**Performance Guarantee:** (a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	Security Deposit	**:**	2.5% of tendered value

SCHEDULE 'F'

General Rules & Directions:

Officer inviting tender	Executive Engineer-II, CPWD, Bengaluru

Definitions:

2(vi)	Engineer in charge	Executive Engineer-II, CPWD, Bengaluru
	~~Civil work (Major component)~~	~~Executive Engineer ……##…… or his successor thereof~~
	~~Electrical work (Minor component)~~	~~Executive Engineer ……##…… or his successor thereof~~
2(vii)	Director General/ CPWD Directorate	It includes Director General/ Special Director General/ Additional Director General/ CPM/ CA/ Chief Engineer/ CE-ED/ PM/ SE/ SE-PD/ Director (Horticulture)
	Successor	Any authority as notified by the CPWD Directorate before, during or after execution of work/ agreement
2(viii)	Accepting Authority	Executive Engineer-II, CWD, Bengaluru or his successor thereof or any other authority
2(x) (a)	Percentage on cost of materials and Labour to cover all overhead and profits	15%
2(x) (b)	Standard Schedule of Rates	
	(i) Civil work	DSR-2023 multiplied by a correction factor of 0.973
	~~(ii) Electrical work~~	~~DSR-2022 (E&M) multiplied by a correction factor of 0.973 & DSR Vol-II (E&M) 2025~~
2(xi)	Department	Central Public works Department (CPWD)
9(ii)	Standard CPWD Contract Form	CPWD General Conditions of Contract Maintenance Works 2023 & CPWD Form-7 as modified and corrected upto the previous day of last date of submission of tender.

CLAUSE-1

(i)	Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance	:	***7 (Seven) days***
(ii)	Maximum allowable extension with late fee @ 0.1% per day of performance Guarantee amount beyond the period provided in (i) above	:	***3 (Three) days***

CLAUSE-2

Authority for fixing compensation under clause2	:	Chief Engineer, CPWD, Bangalore or his successor thereof

~~**CLAUSE-2A**~~

~~Applicable Clause-2 / Clause-2A~~	:	~~Yes / No~~

CLAUSE-5

Number of days from the date of issue of letter of acceptance for reckoning date of start	:	7 (Seven) days or date of handing over of site whichever is later

~~**Mile Stone Table (Civil works):**~~

~~Sl. No~~	~~Description of Milestone (Physical)~~	~~Time allowed in days (from date of start)~~	~~Amount to be with-held in case of non-achievement of milestone (Civil component)~~
~~1~~	~~Completion of earth work, PCC, RCC retaining wall, plinth beam, columns and CC block masonry – for a length of 150 meters boundary wall~~	~~60 days~~	~~1.00%~~
~~2~~	~~Completion of earth work, PCC, RCC plinth beam, columns and CC block masonry – for a length of 300 meters boundary wall~~	~~90 days~~	~~1.00%~~

~~3~~	~~Completion of earth work, PCC, RCC plinth beam, columns and CC block masonry – for a length of 450 meters boundary wall~~	~~120 days~~	~~1.00%~~
~~4~~	~~a) Completion of balance earth work, PCC, RCC plinth beam, columns and CC block masonry~~ ~~b) Coping concrete to entire boundary wall~~	~~150 days~~	~~1.00%~~
~~5~~	~~Completion of grill work, Painting, attending rectification and handing over of site~~	~~180 days~~	~~1.00%~~

Time allowed for execution of work : **2 Months**

~~Note:~~ ~~Regarding interpretation on description of milestone, the decision of Engineer in charge shall be final and binding on the contractor.~~

Authority to decide:

(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 the case of composite contracts, as the case may be
~~(ii)~~	~~Authority to decide rescheduling of mile stone and extension of time~~	~~Executive Engineer-II, CWD, Bengaluru or his successor thereof~~
(iii)	Shifting of date of start in case of delay in handing over of site	Executive Engineer-II, CWD, Bengaluru or his successor thereof

Schedule of handing over of site

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of commencement of work
Part A	Portion without any hindrance	All work	The site for the work is available. However, there may be other contractors who may also simultaneously execute the works entrusted to them and there may be some interdependency which has to be taken care by the contractor. Since the work is to be executed in the existing campus/ building, there may be some restriction in movement of men & material and also in execution of work which has to be taken care by the contractor.
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

			The contractor has to execute the work in close co-ordination with the other contractors/ owner/ client department.

~~Schedule of issue of Designs~~

~~Sl. No.~~	~~Details of drawings~~	~~Time period from date of issue of letter of commencement of work~~
~~1~~	~~Architectural and structural drawings.~~	~~The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per programme of completion submitted by the contractor and approved by the Engineer in charge after award of work.~~

~~Schedule of rate of recovery for delay in submission of Time and progress chart and progress report~~

~~Sl. No.~~	~~Contract Value~~	~~Recovery in Rs/ Per week or part thereof~~
~~1~~	~~More than Rs. 1 Crores but less than or equal to Rs. 5 Crores~~	~~2000~~
~~2~~	~~More than Rs. 5 Crores but less than or equal to Rs. 20 Crores~~	~~6000~~
~~3~~	~~More than Rs. 20 Crores~~	~~10000~~

~~Schedule of rate of recovery for delay in submission of revised program~~

~~Sl. No.~~	~~Contract Value~~	~~Recovery in Rs / Per day~~
~~1~~	~~More than Rs. 1 Crores but less than or equal to Rs. 5 Crores~~	~~3000~~
~~2~~	~~More than Rs. 5 Crores but less than or equal to Rs. 20 Crores~~	~~9000~~
~~3~~	~~More than Rs. 20 Crores~~	~~15000~~

CLAUSE-6

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

Mode of measurement	**:**	CMB / ~~EMB~~

CLAUSE-7

Gross work to be done together with net payment/ adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	15 Laksh (Civil work) ~~Rs. 3.00 Lakhs (Electrical work)~~

CLAUSE-7A

Whether Clause 7A shall be applicable	**:**	Yes ~~/ No~~

CLAUSE-8A

Authority to decide compensation on account if contractor fail to submit completion plans	**:**	Engineer in charge or his successor thereof

CLAUSE-10A

List of testing equipment to be provided by the contractor at site lab	**:**	<u>Civil work:</u> As per details attached in this bid document (Annexure-D) ~~<u>Electrical work:</u>~~ ~~As per details attached in this bid document (Annexure-D)~~

CLAUSE-10B (ii)

Whether Clause10B (ii) shall be applicable (Mobilization advance)	**:**	~~Applicable~~ / Not applicable

CLAUSE-10C (Applicable in only those contracts where clause 10CC is not applicable)

Whether Clause 10C shall be applicable **:** ~~Applicable~~ / Not applicable

~~Component of labour expressed as percent of value of work~~ **:** ~~Civil work: 25%~~
~~Electrical work: 15%~~

CLAUSE-10CC

Whether Clause 10CC shall be applicable **:** ~~Applicable /~~ Not applicable

~~A. For Construction Period (Civil work)~~

~~Sl. No.~~	**~~Relevant component of Material/ Labour for price escalation~~**	**~~Percentage of total value of work~~**
~~1~~	~~Component of cement~~	
~~2~~	~~Component of labour~~	
~~3~~	~~Civil Component of other Construction Materials~~	
~~4~~	~~Electrical and Mechanical (E&M) component of Construction Materials~~	
~~5~~	~~Component of POL (Diesel)~~	
~~6~~	~~Reinforcement steel bars / TMT bars / structural steels (including strands and cables)~~	
~~7~~	~~Component of bitumen~~	
	~~Total~~	

~~For Construction Period (Electrical work)~~

~~Sl. No.~~	**~~Relevant component of Material/ Labour for price escalation~~**	**~~Percentage of total value of work~~**
~~1~~	~~Component of cement~~	
~~2~~	~~Component of labour~~	
~~3~~	~~Civil Component of other Construction Materials~~	
~~4~~	~~Electrical and Mechanical (E&M) component of Construction Materials~~	
~~5~~	~~Component of POL (Diesel)~~	

~~6~~	~~Reinforcement steel bars / TMT bars / structural steels (including strands and cables)~~	
~~7~~	~~Component of bitumen~~	
	~~**Total**~~	

CLAUSE-11

(i) Specifications to be followed for execution of work:

Specifications specified in contract documents	Detailed specifications, Particular Specifications etc. included in this Bid document
CPWD Specifications for Civil works	CPWD Specifications 2019 Vol 1 and Vol. 2
~~CPWD Specifications for Electrical works~~	~~CPWD General specifications for Electrical works~~ ~~Part-I Internal-2023~~ ~~Part-II External-2023~~ ~~Part-III Lifts & Escalators-2003~~ ~~Part-IV Substation-2013~~ ~~Part-V Wet riser & Sprinkler system-2020~~ ~~Part-VI Fire Detection and Alarm System-2018~~ ~~Part-VII: D.G. Sets-2013~~ ~~Part VIII Gas Based Fire Extinguishing System-2013~~ ~~CPWD General Specifications for Heating, Ventilation & Air-Conditioning (HVAC) – 2024~~ ~~CPWD General Specifications for Medical Gas Pipe line System-2022~~ ~~CPWD General Specifications for Modular operation Theater-2022~~ ~~CPWD General Specifications for Nurse Call system-2022~~
Others	All relevant BIS codes of practice, National Building Code (NBC), Energy Conservation Building Code (ECBC), ~~NABL/ IPHS guidelines, NDMA guidelines for Hospital Safety, Recommendations for Basic requirement of General Hospital Building, Standard requirements as per Medical Council of India (MCI), Guidelines as per Clinical Establishment~~

	~~(Registration & Regulation Act),~~ Structural & Non-structural elements for Fire safety, Harmonized Guidelines and Standards for Universal Accessibility in India, The Indian Electricity Act, Indian Electricity Rules, Central Electricity Authority rules, Local Bodies & Statutory bodies Norms and all other relevant Codes, Guidelines, Regulations, Recommendations, Norms etc.

Note: Latest version and all volumes of all above Codes, Guidelines, Regulations, Recommendations, Norms, specifications etc. shall be applicable along with all amendments issued upto the previous day of the last date of submission / uploading of Bid.

(ii) Building Information Model (BIM) is applicable : ~~Yes /~~ No

~~Building Information Model (BIM)~~	~~:~~	~~This Project shall be executed using Building Information Model (BIM) of minimum LOD 350. The BIM model shall be used for Architectural, Structural and MEP services. Contractor is required to get the BIM models prepared for the entire project.~~

Clause 12

Type of work: : Maintenance work

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 to 12.3	**:**	Refer below

12.2 to 12.3	Deviation limit beyond which clauses shall apply for building work.	No limit

CLAUSE-16

Competent Authority for deciding reduced rates	:	Chief Engineer, CPWD, Bangalore or any other Authority as decided by CPWD Directorate

CLAUSE-18

List of mandatory machinery, tools & plants to be deployed by the contractor at site.	:	Civil work: As per details attached in this bid document (Annexure-E) ~~Electrical work:~~ ~~As per details attached in this bid document (Annexure-E)~~

CLAUSE-19

Authority to decide penalty for each default	:	Executive Engineer of respective discipline or any other Authority as decided by CPWD Directorate

CLAUSE-19(C)

Authority to decide penalty for each default	:	Executive Engineer of respective discipline or any other Authority as decided by CPWD Directorate

CLAUSE-19(D)

Authority to decide penalty for each default	:	Executive Engineer of respective discipline or any other Authority as decided by CPWD Directorate

CLAUSE-19(G)

Authority to decide penalty for each default	:	Executive Engineer of respective discipline or any other Authority as decided by CPWD Directorate

CLAUSE-19(K)

Penalty for each default	:	Rs.200/-

CLAUSE-25

I.	Conciliator	:	The Additional Director General (Bangalore), CPWD, Bangalore or his successor
II.	Arbitrator Appointing Authority	:	The Chief Engineer, CPWD, Bangalore or his successor
III.	Place of Arbitration	:	Bangalore, Karnataka

Proforma for Appendix XVII, XVIII & XIX are available in the Standard GCC.

CLAUSE-32: Requirement of Technical Representative(s) and Recovery Rates

S. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	Civil	Project Manager cum Planning/ Quality/ Site/ Billing Engineer	2 years (Graduate) or 5 years (Diploma)	1 No.	Rs. 15,000/- per Month per person	Rupees Fifteen thousands only
~~2~~	~~Graduate Engineer or Diploma Engineer~~	~~E&M~~	~~Project Manager cum Planning/ Quality/ Site/ Billing Engineer~~	~~2 years (Graduate) or 5 years (Diploma)~~	~~1 No.~~	~~Rs. 15,000/- per Month per person~~	~~Rupees Fifteen thousands only~~

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

Diploma holder with minimum 10 years relevant experience with a reputed construction company can be treated at par with Graduate Engineers for the purpose of such deployment Subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

~~*Minimum recovery for not deploying Building information Model (BIM) professional shall be Rs. two lac per month or as mentioned above, whichever is higher.*~~

BIM professional to be deployed by contractor : ~~YES /~~ NO

CLAUSE-38

(i)	(a)	Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates	Applicable DSR with Amendments/ Correction slips up to previous day of last date of submission of tender
(ii)	Variations permissible on theoretical quantities:		
	(a)	Cement	
		For works with estimated cost put to tender not more than Rs. 25 lakhs	3% (Three percent) plus / minus
		For works with estimated cost put to tender more than Rs. 25 lakhs	2% (Two percent) plus / minus
	(b)	Bitumen for all works	2.5% (Two decimal five percent) plus only and nil on minus side
	(c)	Steel Reinforcement and structural steel sections for each diameter, section and category	2% (Two percent) plus / minus
	(d)	All other materials	Nil

Specific Conditions for all components of work (Part-A)

1.0 The rate quoted by the agency shall be for all the provisions of the bid document. Nothing extra shall be paid for compliance of the provisions mentioned in the bid document. Extra payment for compliance of any provision shall be made only when it is specifically provided that it shall be paid extra.

The rates quoted by the bidder shall be for all the provisions of the bid document irrespective of the fact whether “Nothing extra shall be paid” is specifically mentioned against any provision or not.

This is applicable for all components of work.

2.0 Any dispute arising out of this tender including dispute related to encashment of any Bank Guarantee/ FDR etc., shall be subject to the jurisdiction of courts of Karnataka State only.

3.0 In case of reduction in scope of work or no work is possible to carry out or delay in work on account of any reason/ issue, no compensation on any account i.e. due to reduction in value of work, loss of expected profit, over heads, idling of men & machinery, etc shall be payable.

4.0 The contractor should make temporary arrangement for sewage disposal, water supply, electricity etc. for completed building to make them functional in case permanent arrangements are not ready for which nothing extra shall be payable.

5.0 In case the works related to lifts, substation, firefighting, fire alarm, HVAC, CCTV, EPABX, LAN, BMS, Pumps, STP, etc. have been completed but the handing over of the building project is delayed due to any reason, the agency shall remain responsible for attending to all works required for the commissioning/ recommissioning of these systems until the actual date of handing over or for a period of three years from the date of completion, whichever is earlier. If the agency fails to fulfill this obligation, the required works shall be carried out at the risk and cost of the agency, and the expenses incurred shall be recovered from any dues payable to the agency under this contract or any other agreement with the department.

6.0 The fee payable to statutory authorities for obtaining local body approvals and various permanent service connections shall be reimbursed to the contractor unless specifically provided otherwise elsewhere in the tender document. The reimbursement shall be made only upon production of proof of payment. However, any penalty imposed for the above activities shall not be reimbursed and will have to be borne by the contractor.

7.0 A site laboratory with the minimum equipment as specified in CPWD specifications and in this bid document shall be established, made functional and maintained within one month from the award of work without any extra cost to the department.

The site laboratory will be a well furnished and ventilated laboratory of area as decided by the Engineer in charge, for which nothing extra shall be paid.

8.0 Intending Bidders are advised to get familiarized with all the concerned local body including Fire authorities, Environmental clearance authorities, Tree cutting authorities, Urban Planning authorities, orders passed by any court on the environment issues, Ministry of Defence, Environment rules to get the NOC, CFE & CFO from Karnataka State Pollution Control Board and any other issues related to obtaining commencement certificate & occupancy certificate and satisfy themselves before submitting their bids as to the status, nature of the rules and regulations and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. Bidder shall be deemed to have full knowledge of such rules and regulations whether he has read it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. Submission of a bid by the bidder implies that he has read this notice and all other documents and has made himself aware of the local body bye-laws, statutory authority regulations etc. and any other factors having a bearing on the execution of the work.

9.0 In the case of discrepancy between the schedule of quantities, the specifications and / or the drawings or any other provision of the bid document, the following order of preference shall be observed.

(i) Description of schedule of Quantities

(ii) Particular & Technical Specifications and Additional, Commercial & Special Conditions etc.

(iii) Tender drawings attached

(iv) CPWD Specifications

(v) National Building Code (NBC) & Indian Standard Specifications of the Bureau of Indian Standards (BIS)

(vi) ASTM, BS, or other foreign-origin codes wherever required

(vii) As per Directions of Engineer in Charge, Manufacturer's specifications, Sound engineering practices, well-established local construction practices, etc.

Notes

(a) Above provisions supersedes para 8.1 of relevant General Conditions of Contract.

(b) Whether specifically mentioned or not, all the IS codes & other documents referred in this bid document are to be used with latest edition and amendments issued upto the previous day of last date of submission of bid.

(c) The agency is not allowed to take benefit out of any clerical/ grammatical mistake in the standard clauses/ Schedule of Quantities/ Specifications/ any other provisions of tender document, etc., being used in the agreement.

(d) All documents forming part of the contract shall be considered mutually complementary. Any requirement in one document is deemed to be required across all documents unless explicitly excluded. Nothing extra shall be payable to the contractor on this account.

(e) In the event that any work (including but not limited to items, details, features, specifications, conditions) is specified in only one document of the contract and not in any other contract document, such work shall be deemed to have been included in the scope of the contract, irrespective of the document's position in the order of precedence. Nothing extra shall be payable to the contractor on this account.

(f) In the event that any work (including but not limited to items, details, features, specifications, conditions) is not explicitly mentioned or shown in any of the contract documents, but is required to meet functional or codal requirements, such work shall be deemed to have been included in the scope of the contract. The Contractor shall execute the work as directed by the Engineer in charge. Nothing extra shall be payable to the contractor on this account.

(g) In the event that the specifications or details mentioned in the tender document are found to be inadequate or improper for meeting functional or codal requirements, the work shall be executed in accordance with the actual requirements or as directed by the Engineer-in-charge. Nothing extra shall be payable to the contractor on this account.

(h) In the event that the specified details of any item, including but not limited to size, thickness, diameter, material, quantity, etc. are not in accordance with functional requirements or the manufacturer’s specifications, the item shall be provided as per the necessary requirements and/ or as directed by the Engineer in charge. Nothing extra shall be payable to the contractor on this account.

10.0 Contract document interpretation and conflict resolution

10.1 If there are varying or conflicting provisions, the Contractor shall bring this to the notice of the Engineer in charge. The Engineer in charge will clarify the discrepancy and his decision shall be final, binding and conclusive. The Contractor shall execute the work without any dispute following this decision, and no claims regarding this issue will be entertained at any point of time.

10.2 If the Contractor fails to bring the discrepancy or variation to the notice of the Engineer in charge and proceeds with the work, any claims raised by the Contractor regarding the discrepancy after the work's completion will not be entertained under any circumstances.

10.3 Any changes in the scope of work or execution of additional works carried out by the Contractor without prior notification to and approval from the Engineer in charge will result in such claims being disallowed in the future. The Contractor is responsible for obtaining formal approval before proceeding with any deviations or additional work.

10.4 In case of discrepancies in dimensions (e.g. Length, Width, Height etc.) mentioned in different contract documents, the dimensions decided by the Engineer-in-charge will prevail for which nothing extra shall be paid.

11.0 Supervision of work

The Contractor shall depute Site Engineer & skilled workers as required for the work. He shall submit organization chart along with details of Engineers and supervisory staff. It shall be ensured that all decision making powers shall be available to the representatives of the Contractor at Bangalore itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer in charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site to complete the work with quality and in stipulated time limit. Principle Technical representative of the Contractor having minimum experience in similar nature of work as mentioned in the relevant clause of the General Conditions of the Contract, shall always be available at the site during the actual execution of the work. The rate of recovery shall be as specified in schedule "F" of this bid document and the same shall be effected from the Contractor in the event of not fulfilling this provision.

PART-B

Civil Works

Additional Conditions

1. **General**

1.1 The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material/ machinery, labour etc., constraints put by local regulations, if any, weather conditions at site, general ground/ subsoil conditions etc. or any other circumstances which may affect or influence submission of their bids. The contractor shall carry out survey of the work area, at his own cost, setting out the layout and fixing of alignment of the building as per architectural and structural drawings in consultation with the Engineer in charge and proceed further ensuring full structural continuity and integrated construction. Any discrepancy between the architectural drawings and actual layout at site shall be immediately brought to the notice of the Engineer in charge.

1.2 The Contractor shall, if required by him, before submission of the tender, inspect the drawings in the Office of the concerned Executive Engineer. The department shall not bear any responsibility for the lack of knowledge and also the consequences, thereof to the Contractor. The information and data shown in the drawings and mentioned in the bid documents have been furnished, in good faith, for general information and guidance only. The Engineer in charge, in no case, shall be held responsible for the accuracy thereof and/ or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor. No claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in bid document is different or in-correct otherwise or actual working drawings are at variance with the drawings available for inspection or attached to the bid document. It is presumed that the Contractor shall satisfy himself for all possible contingencies, incidental charges, wastages, bottlenecks etc. likely during execution of work and acts of coordination, which may be required between different agencies.

1.3 The work shall be carried out, all in accordance with true intent and meaning of the specifications, the drawings and other terms & conditions in the bid documents all taken together, regardless of whether the same may or may not be particularly shown on the drawings and/ or described in the specifications, provided that the same can be reasonably inferred there from. There may be several incidental works, which are not mentioned in the bid document but will be necessary to complete the work in all respects. All these incidental works/ costs which are not mentioned in bid document but are necessary to complete the work in all respects shall be deemed to have been included in the rate quoted by the contractor. No adjustment of rates shall be made for any variation in quantum of incidental works due

to variation/ change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the work and are necessary to complete the work in all respects) on account of the directions of Engineer in charge.

1.4 The contractor(s) shall give to the local body, police and other authorities all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fees, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain lights either for illumination or for cautioning the public at night.

1.5 The Contractor/ Architects to make the built environment Barrier free and accessible to all. Bidders are instructed to strictly adhere to the provisions contained in relevant guidelines on barrier free and accessibility and corresponding provisions of NBC while incorporating such features in the building. Bidders should visit CPWD website www.cpwd.gov.in. (Provision of lift for vertical movement shall be as per drawings).

1.6 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night. In case of any accident to labours/ contractual staff the entire responsibility will rest on the part of the contractor and any compensation under such circumstances, if becomes payable, shall be entirely borne by the contractor.

1.7 The work shall generally be carried out in accordance with the applicable CPWD Specifications with amendments, Additional/ Particular/ Technical Specifications, Architectural/ Structural drawings and as per instructions of Engineer in charge. Any additional item of the work, if taken up subsequently, shall also conform to the relevant CPWD specifications as mentioned above.

1.8 The several documents forming the tender are to be taken as mutually complementary to one another. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scale dimensions.

1.9 The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire work.

1.10 The works to be undertaken by the contractor shall inter-alia include the following:

(i) Preparation of detailed Structural drawings, Shop drawings, As Built drawings etc. Applicable for the works where the preparation of

structural drawings, Shop drawings and As Built drawings are in the scope of contractor.

(ii) Obtaining of Statutory permissions wherever applicable and required

(iii) Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required

(iv) Warranty obligation for the equipment's and/ or fittings/ fixtures supplied by the contractor: Contractor shall provide all the shop drawings or layout drawings for all the co-ordinated services before starting any work or placing any order of any of the services etc. These shop drawings/ layout drawings shall be got approved from Engineer in charge before implementation and this shall be binding on the contractor. The contractor shall submit material submittals along with material sample for approval of Engineer in charge prior to delivery of material at site.

1.11 The work shall be carried out in accordance with the approved architectural drawings and structural drawings & service drawings. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings, Specifications etc. issued for the work and satisfy himself that the information available from there is complete and unambiguous. The figure and written dimension of the drawings shall be superseding the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer in charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim whatsoever shall be entertained by the department on this account. The delay caused on account of non-timely action by the contractor in resolution of the differences whatsoever shall not be considered as valid ground for extension of time unless otherwise accepted by Engineer in charge.

1.12 The contractor shall take instructions from the Engineer in charge regarding collection and stacking of materials at suitable place. No stacking of materials or excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan. However, if any change is required, the same shall be done with the approval of Engineer in charge.

1.13 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials, if any, issued by department as well as to those materials also arranged by the contractor.

1.14 Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the execution of work and nothing extra shall be payable or extra cement considered in consumption on this account.

1.15 The scope of work includes doing hacking on the existing/ proposed RCC/ cement concrete surface wherever required as per the directions of Engineer in charge. The cost of hacking shall be deemed to be inclusive in the rates quoted by the agency/ contractor.

1.16 The contractor shall give performance test of the entire installation(s) as per the specifications in the presence of the Engineer in charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the contractor for such test.

1.17 Materials used on work without prior inspection and testing (where testing is necessary) and without approval of the Engineer in charge are liable to be considered unauthorized, defective and not acceptable. The Engineer in charge shall have full powers to require the removal of any or all of the materials brought to site by contractor which are not in accordance with the contract specifications or do not conform, in character or quality to the samples approved by the Engineer in charge. In case of default on the part of the contractor in removing rejected materials, the Engineer in charge shall be at liberty to have them removed at the risk and cost of the contractor.

1.18 Use of Manufactured sand (M-sand) is allowed without any cost adjustment i.e. without any extra payment to contractor or without any recovery from contractor. For plastering P-Sand should be used.

1.19 Water tanks, taps, water supply & drainage pipes, fittings & accessories should conform to bye-laws of local body/ corporation, where CPWD specifications are not available. The Contractor should engage approved, licensed plumbers for the work and get the materials (fixtures/ fittings) tested, by the municipal Body/ Corporation authorities wherever required at his own cost. The Contractor shall submit for the approval of the Engineer in charge, the name of the plumbing agency (along with their working experience in recent past) proposed to be engaged by him.

1.20 The contractor shall make his own arrangements for providing water for construction and drinking purpose. He shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the State Govt. departments concerned. Contractor shall get the water tested from laboratory approved by the Engineer in charge at regular interval as per the CPWD Specifications.

1.21 **Prevention of Nuisance and Pollution Control**

(i) The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties from pollutants like smoke, dust, noise. The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/ near vicinity. The contractor shall make good at his cost and to the satisfaction of the Engineer in charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer in charge.

(ii) Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the nearby occupants/ users of building(s), if any.

1.22 **Security and Traffic arrangements**

In the event of any restrictions being imposed by the Security agency of Client Department/ CPWD/ Local Traffic or any other local authority having jurisdiction in the area on the working or movement of labour/ material, the contractor shall strictly follow such restrictions. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.

1.23 As the site is restricted, the huts for labour are not to be erected at the site of work by the contractors. However, if the client department permits with/without charges, the contractor may erect the huts for labour.

1.24 No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the govt. property and the work for which payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The contractor shall be fully responsible for safety and security of his material, T&P / Machinery brought to the site by him.

1.25 The contractor shall construct suitable godowns, yard at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.

1.26 All materials obtained from contractor shall be got checked by the representative of Engineer in charge on receipt of the same at site before use.

1.27 The contractor shall be responsible for the watch and ward/ guard of the buildings, safety of all fittings and fixtures including all equipment, services provided by him against pilferage and breakage during the period of Installations and thereafter till the building is physically handed over to User/ Client/ Owner Department. No extra payment shall be made on this account and no claim shall be admissible on this account.

1.28 The contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The contractor shall also adhere to all traffic restrictions notified by the local authorities. The extra sewerage charges (onetime charges for commencement of work) required to be paid to the Municipal Corporation/ other statutory bodies shall be paid by the department and need not be considered by the contractor.

All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and/ or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. The contractor shall arrange to give all notices as required by any statutory/ regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the department and its officials & employees against any claim and / or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives.

1.29 For works below ground level the contractor shall keep that area free from water. If dewatering or bailing out of water is required, the contractor shall do the same at his own cost.

1.30 The contractor shall make all necessary arrangements for protecting works already executed from rains, fog or likewise extreme weather conditions and for carrying out further work, during monsoon including providing and fixing temporary shelters, protections etc. No claims for hindrance shall be entertained on this account.

1.31 In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially or otherwise shall be entertained notwithstanding any other provisions elsewhere in the bid document. Also, the contractor shall make good, at his own cost, the damages caused, if any. Further, no claim for hindrance shall be entertained on this account.

1.32 The contractor will take reasonable precautions to prevent his workman and employees from removing and damaging any flora (plant/ vegetation) from the project area.

1.33 **Setting out**

(i) The contractor shall carry out survey of the work area, at his own cost, setting out the layout of building in consultation with the Engineer in charge & proceed further. Any discrepancy between architectural drawings and actual layout at site shall be immediately brought to the notice of the Engineer in charge. It shall be responsibility of the contractor to ensure correct setting out of alignment. Total station survey instruments only shall be used for layout, fixing boundaries, and centre lines, etc.

(ii) The contractor shall establish, maintain and assume responsibility for grades, lines, levels and benchmarks. He shall report any errors or inconsistencies regarding grades, lines, levels, dimensions etc. to the Engineer in charge before commencing work. Commencement of work shall be regarded as the contractor's acceptance of such grades, lines, levels, and dimensions and no claim shall be entertained at a later date for any errors found.

(iii) If at any time, any error appears due to grades, lines, levels and benchmarks during the progress of the work, the contractor shall, at his own expense rectify such error, if so required, to the satisfaction of the Engineer in charge.

(iv) The contractor shall ascertain and confirm the site levels with respect to benchmark from the concerned authorities. The contractor shall protect and maintain temporary/ permanent benchmarks at the site of work throughout the execution of work. These benchmarks shall be got checked by the Engineer in charge or his authorized representatives. The work at different stages shall be checked with reference to bench marks maintained for the said purpose.

(v) The approval by the Engineer in charge, of the setting out by the contractor, shall not relieve the Contractor of any of his responsibilities and obligation to rectify the errors/ defects, if any, which may be found at any stage during the progress of the work or after the completion of the work.

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

(vii) The rate quoted by the contractor is deemed to be inclusive of site clearance, setting out work (including marking of reference points, centre lines of buildings), construction and maintenance of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, labour welfare and labour training measures, preparatory works, working during monsoon, working at all depths, height and location etc. and any other incidental works required to complete this work.

1.34 The rate offered is inclusive of providing sunken flooring in bathrooms, kitchen etc.

1.35 **Integrated Service drawings**

Before taking up the work, the contractor shall also provide integrated drawings for various civil and electrical services showing details of lay out plan including sectional elevations. Contractor shall plan and mobilize his resources as per the integrated drawings and as per the site conditions to facilitate convenient execution, installation as well as maintenance of these services.

1.36 **Tools and plants**

The contractor should have own constructions equipment required for the proper and timely execution of the work. No tools and plants including any special T&P etc. shall be supplied by the department and the contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

1.37 **Scaffolding**

Wherever required for the execution of work, all the scaffolding shall be provided and suitably fixed, by the contractor. It shall be provided strictly with steel double scaffolding system, suitably braced for stability, with all the accessories, gangways, etc. with adjustable suitable working platforms to access the areas with ease for working and inspection. Single scaffolding system is strictly prohibited and shall invite necessary action. It shall be designed to take all incidental loads. It should cater to the safety features for workmen. It shall be ensured that no damage is caused to any structure due to the scaffolding.

1.38 The contractor shall do proper sequencing of the various activities by suitably staggering the activities so as to achieve early completion. The contractor is to deploy adequate equipment, machinery and labour as required for the completion of the entire work within the stipulated period as specified. Also, ancillary facilities shall be provided by contractor commensurate with requirement to complete the entire work within the stipulated period. Adequate number/ sets of equipment in working condition, along with adequate stand-by arrangements, shall be deployed during entire construction period.

It shall be ensured by the contractor that all the equipment, Tools & Plants, machineries etc. provided by him are maintained in proper working condition at all times during the progress of the work and till the completion of the work. Further, all the constructional tools, plants, equipment and machineries provided by the contractor, on site of work or his workshop for this work, shall be exclusively intended for use in the construction of this work and they shall not be shifted/ removed from site without the permission of the Engineer in charge.

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

1.40 **Royalty**

Royalty at the prevalent rates shall have to be paid by the contractor or the RMC supplier as per the terms of supply between them on all materials such as boulders, metals, shingles, moorum, gravels, all size stone aggregates, brick aggregates sand, bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the State Government concerned or Central Government. If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Government of India and does not any time become payable by the contractor to the State Government, Local authorities in respect of any material used by the contractor in the works, then in such a case, it shall be lawful to the Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.

1.41 **Preservation and Conservation Measures**

(i) Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services, if any, encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. In case the same are to be removed and diverted, expenditure incurred in doing so shall be payable to the contractor. The contractor shall work out the cost, get the same approved by Engineer in charge before taking up actual execution. 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.

(ii) All fossils, coins, articles of value of antiquity, structures and other remains or things of geological or archaeological interest discovered on project location during excavation/ construction shall be the property of the Government, and shall be dealt with as per provisions of the relevant Act. The contractor will take reasonable precaution to prevent his workmen or any other persons from removing and damaging any such article or thing. He will, immediately upon discovery thereof and before removal acquaint the Engineer in charge of such discovery and carry out the official instructions of Engineer in charge for dealing with the same, till then all work shall be carried out in a way so as not to disturb / damage such article or thing.

1.42 **Responsibility**

(i) The contractor shall protect and indemnify the CPWD and its officials & employees against any claim and/ or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives.

(ii) The contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the CPWD from any and all damages and claims that may arise on any account. The Contractor shall indemnify the department CPWD against all claims in respect of patent rights, royalties, design, trademarks of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the department in all respect from such actions, costs and expenses.

1.43 **Co-operation with other Contractors/ Specialized Agencies/ Sub-Contractors**

(i) The Contractor shall take all precautions to abide by the environmental related restrictions imposed by any statutory body having jurisdiction in Karnataka as well as prevent any pollution of streams, ravines, river bed and waterways. All waste or superfluous materials shall be transported by the Contractor, entirely to the satisfaction of the Engineer in charge and disposed at designated places only. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants/ users of adjoining buildings. No claim what so ever on account of site constraints mentioned above or any other site constraints, lack of public transport, inadequate availability of skilled, semi-skilled or unskilled workers in the near vicinity, non-availability of construction machinery spare parts and any other constraints not specifically stated here, shall be entertained from the Contractor. Therefore, the tenderers are advised to visit site and get first-hand information of site constraints. Accordingly, they should quote their tenders.

(ii) The Contractor shall cooperate with and provide the facilities to the sub-Contractors and other agencies working at site for smooth execution of the work. The contractor shall indemnify the Department (CPWD) against any claim(s) arising out of such disputes. The Contractor shall:

(a) Allow use of scaffolding, toilets, sheds etc.

(b) Properly co-ordinate their work with the work of other Contractors.

(c) Provide control lines and benchmarks to his Sub-Contractors and the other Contractors.

(d) Provide electricity and water at mutually agreed rates

(e) Provide hoist and crane facilities for lifting material at mutually agreed rates

(f) Co-ordinate with other Contractors for leaving inserts, making chases, alignment of services etc. at site

(g) Adjust work schedule and site activities in consultation with the Engineer in charge and other Contractors to suit the overall schedule completion.

(h) Resolve the disputes with other Contractors/ sub-contractors amicably and the Engineer in charge shall not be made intermediary or arbitrator.

(iii) The work should be planned in a systematic manner so as to ensure proper co-ordination of various disciplines viz., sanitary & water supply, drainage, rain water harvesting, electrical, fire-fighting, information technology, communication & electronics and any other services

(iv) Other agencies will also simultaneously execute and install the works of 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 time of casting of concrete, stone work and brick work, if required.

(v) 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 coordination manner and shall perform it in proper sequence to the complete satisfaction of others.

1.44 **Specialized Agencies**

The list of specialized items for all components of works which are to be got executed through specialized agencies are as below:

(a) Water proofing treatment works

(b) Any other work mentioned in the tender document and/ or as per directions of Engineer in charge.

1.45 **Rates**

The rates quoted by the Contractor shall be deemed to be inclusive of;

(a) The cost of all scope of works mentioned in the bid document.

(b) Site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing approved by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location etc.

(c) No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.

(d) Ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, testing facilities/ laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer in charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts.

(e) For completing the work in time, the Contractor shall be required to work in two or more shifts (including night shifts) as per the directions of Engineer in charge. No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

(f) The scope of work includes cost of all materials, manpower, equipments, T&P, fixtures, accessories, royalties, taxes, watch & ward and all other essential elements for completion and maintenance of works as aforesaid whatsoever.

(g) All material shall only be brought at site as per program finalized with the Engineer in charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and the payment for this account shall not be paid by the department.

(h) The approval accorded by CPWD before acceptance of tender is only for tender evaluation. Any changes, modifications, revisions etc. required to be done by CPWD, client, local bodies, proof consultants etc. in accordance with applicable standards will have to be done at contractor's cost and nothing extra shall be payable.

(i) The rates quoted by the tenderer, shall be firm and inclusive of all taxes and levies (including works contract tax, GST, construction labour welfare cess or any other tax/ levy/ cess).

(j) The cost incurred in compliance of all provisions of the contract documents.

1.46 **Safety Practices**

(i) **Warning / Caution Boards**: All temporary warning/ caution boards/ glow signage display such as “Construction Work in Progress”, “Keep Away”, “No Parking”, Diversions & protective Barricades etc., shall be provided and displayed during day time by the Contractor, wherever required and as directed by the Engineer in charge.

These glow signage and red lights shall be suitably illuminated during night also. The Contractor shall be solely responsible for damage and accident caused, if any, due to negligence on his part. Also, he shall ensure that no hindrance, as far as possible, is caused to general traffic during execution of the work. This signage shall be dismantled & taken away by the Contractor after the completion of work, only after approval of the Engineer in charge. Nothing extra shall be payable on this account.

(ii) Nylon net (50x50mm aperture and 4mm dia) at site shall be fixed to hooks etc., along periphery of building at various levels required and as directed by Engineer in charge for safety of the working staff for which nothing extra will be paid on this account.

(iii) No inflammable materials including P.O.L shall be allowed to be stored in huge quantity at site. Only limited quantity of P.O.L may be allowed to be stored at site subject to the compliance of all rules/ instructions issued by the relevant authorities and as per the direction of Engineer in charge in this regard. Also, all precautions and safety measures shall be taken by the Contractor for safe handling of the P.O.L products stored at site. All consequences on account of unsafe handling of P.O.L shall be borne by the Contractor.

1.47 **Quality Assurance**

(i) The proposed work is a prestigious work and quality of work is of paramount importance. Contractor shall have to engage well-experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like exposed finish form work, specialized flooring work, silicon sealant and backer rod fixing in expansion joints, factory made door window shutters, proper slope maintaining in toilet units, sanitary water supply installation, water proofing treatment, will specially require engagement of skilled workers having experience particularly in execution of such items.

(ii) 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. 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.

(iii) In addition to the supervision of work by CPWD engineers, the Consultants deployed by CPWD shall also be carrying out regular and periodic inspection of the ongoing activities in the work and deficiencies, shortcomings, inferior workmanship pointed out by them shall be communicated by CPWD engineers to the contractor. Upon receipt of instructions from Engineer in charge these are also to be made good by necessary improvement, rectification, replacement upto his complete satisfaction.

Special attention shall be paid towards line and level of internal and external plastering, exposed smooth surface of RCC members by providing fresh shuttering plates, rubberized linings to all the shuttering joints, accurate joinery work in wooden doors and windows, thinnest joints in stone/ tiling/ cladding work, non-hollowness in floor and dado tiles work, protection of scratches over flooring by impounding layer of plaster of Paris, water tight pipe linings, absence of hollow vertical joints in brick masonry, proper compaction of filled up earth etc. to achieve an Institution of International standards and up keeping of quality assurance shall be of paramount importance, as such.

(iv) All materials and fittings brought by the contractor to the site for use shall conform 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 is not specified in the item of work, the contractor shall submit the samples as per suggested list of brand names given in the tender document/ particular specifications for approval of Engineer in charge. For all other items, materials and fittings of ISI Marked 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 conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer in charge.

(v) The Contractor shall procure and provide all the materials from the manufacturers/ suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the

work. The equivalent brand for any item shall be permitted to be used in the work, only when the specified make is not available. This is, however, subject to documentary evidence produced by the contactor for non-availability of the brand specified and also subject to independent verification by the Engineer in charge. In exceptional cases, where such approval is required, the decision of Engineer in charge as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer in charge.

(vi) All materials whether obtained from Govt. stores or otherwise shall be got checked by the Engineer in charge or his authorized supervisory staff on receipt of the same at site before use.

(vii) The tests, as necessary, shall be conducted in the laboratory approved by the Engineer in charge. The samples shall be taken for carrying out all or any of the tests stipulated in the particular specifications and as directed by the Engineer in charge or his authorized representative.

(viii) The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities including material and labour, the Engineer in charge may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer in charge, at such time and to such places as directed by the Engineer in charge. Nothing extra shall be payable for the above.

(ix) 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 him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the Engineer in charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.

(x) All expenditure to be incurred for testing of samples e.g. collection, packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.

The cost of material used for testing shall also be borne by the contractor.

(xi) 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 their measurements in computerized measurement book

duly test checked shall be deposited with Engineer in charge or his authorized representative, prior to hiding these items.

(xii) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should confirm 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.

(xiii) 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.

(xiv) The contractor shall have to execute guarantee bonds in respect of water proofing works and all other works as decided by the Engineer-in-charge (as per Performa enclosed).

(xv) The Contractor shall arrange electricity at his own cost for testing of the various electrical installations as directed by Engineer in charge and for the consumption by the contractor for executing the work. Also, all the water required for testing various electrical installations, fire pumps, wet riser/ fire-fighting equipment, fire sprinklers etc. and also testing water supply, sanitary and drainage lines, water proofing of underground sump, overhead tanks, water proofing treatment etc. shall be arranged by the contractor at his own cost. Nothing extra shall be payable on this account.

1.49.1 Minimum Quality Assurance Plan

(i) Mandatory Tests shall be conducted as per CPWD specifications mentioned in Schedule A to F modified and corrected upto previous day of the last date of submission/ uploading of bid.

(ii) Machinery and other tools & plants shall be deployed as specified in Schedule F.

(iii) A field laboratory has to be set up by the contractor with all testing equipments as specified in Schedule F.

(iv) The agency shall submit a shuttering schedule showing quantity of shuttering to be brought at site and its use. The schedule shall be approved by the Engineer-in-charge after review. If any changes are required by the Engineer-in-charge, the same shall be carried out by the agency.

(v) Maintenance of Register of Tests –

(a) All the registers of tests to be carried out at Construction Sites or in outside laboratories shall be maintained by the contractor, which will be issued to the contractor by Engineer-in-Charge.

(b) All Samples of materials including Cement Concrete Cubes are taken jointly with Contractor by CPWD staff, as per percentage stipulated in the bid document or as decided by the Engineer-in-charge. All the necessary assistance shall be provided by the contractor. Cost of sample of materials including testing charges shall be borne by the contractor and he/ she shall be responsible for safe custody of samples to be tested at site.

(c) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor. The percentages of tests to be witnessed by the field officers shall be decided by the Engineer-in-charge. In case, it is not decided by the Engineer-in-charge, provisions of CPWD Quality Assurance Manual for building works 2022 shall be applicable.

(d) All the entries in the registers shall be made by the designated Engineering Staff of the contractor and same shall be regularly reviewed by the field officers as well as the Engineer-in-Charge. Contractor shall be responsible for safe custody of all the test registers.

(vi) Proforma for Mandatory tests as per Appendix-B2 shall be attached with each Running bill. Submission of all test registers and material at site register along with each alternate Running Account Bill and Final Bill is mandatory for works costing more than 10 Cr. In case of works costing less than or equal to Rs 10 Crore, all test registers and MAS registers shall be submitted along with final bill.

If all the test registers and MAS register are not submitted along with each alternate R/A Bill & Final Bill as per above provision, no payment shall be released to the contractor.

(vii) Maintenance of Materials at Site (MAS) Registers –

(a) All MAS Registers including Cement and Steel Registers shall be maintained by the Contractor which shall be issued to the contractor by Engineer-in-Charge.

(b) Each entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE. If both JE & AE are available, AE should test check at least 50% of the entries.

(c) Each MAS Register shall be checked by JE & AE at least once a week.

(d) Cement Register shall be reviewed by EE at least once in a month for work at same station and alternate months for work at outstation.

(e) It shall be mandatory for the field staff to retain the self-attested (by agencies/ contractors) copies of Tax paid bills of the materials

entered in the MAS Register viz., Steel, Cement, Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical, Water proofing compound material and any other item as decided by the Engineer-in-charge.

(f) Self-attested copies of Tax paid bills of materials taken in MAS Register shall be obtained by the field staff from the agencies/ contractors before settling the payments. In case of any doubt the same can be verified by the field staff. However, onus of genuiness of Tax paid bills rests with the agencies/ contractors.

(viii) The contractor shall enure that the work is of required specifications and also the workmanship as per bid document and sound engineering practices.

(ix) While sending samples of the material for testing in the external laboratories, the following shall be ensured:

(a) Letter for sending sample for testing of material shall be sent through e-mail to the Lab along with name (s) of test (s) to be done on the material by AE/ EE concerned with the work. The Lab shall preferably generate QR/ Bar Code for each test of the work, and it will be pasted on the box at the time of receipt of sample mentioning the number and type of material, lab tests required etc. The labs shall invariably acknowledge receipt of sample and intimate through e-mail to AE, EE and contractor. The test reports shall be emailed by the lab to the AE, EE and contractor. The bill of the testing shall be sent to the contractor for payment with a copy to the AE/ EE for information.

(b) The agency shall collect the sample & send it to the lab, make the necessary payment for the testing at the time of submitting the samples of material to the testing lab. lf, he fails either to collect the samples or to submit to the lab, within the time mentioned in the specifications or within three working days, whichever is earlier, the department will make arrangement to collect and submit sample(s) and make the necessary payment to lab, the recovery on account of collection, submission and testing charges of samples shall be done from next R/A bill/ final bill of the agency.

(c) lf the agency fails three times in collection and submission of samples for materials or fails to make payments of testing to the testing labs at each occasion within seven days of receipt of bill from the concerned lab, the Engineer-in-Charge will send the case along with all documents and his recommendations to the CE/ SE (as the case may be) for initiating disciplinary action against the agency. CE/ SE will take action in the matter as under:

i. In case of non-enlisted contractors, CE/ SE will give an opportunity to the agency to submit his version within 15 days. After considering the reply of the agency, CE/ SE will take decision on debarment of the agency from participation in tendering in CPWD for a period of two years. However, running contracts shall remain unaffected by the debarment order,

ii. In case of CPWD enlisted contractors, CE/ SE will send the case to the Enlisting Authority along with his recommendations. As per directions of the Enlisting Authority, disciplinary action shall be initiated by the Empowered Committee as per extant enlistment rules. After considering the recommendation of the Empowered Committee, Enlisting Authority will take decision on debarment of the agency for a period of two years. However, running contracts shall remain unaffected by the debarment order.

(x) CPWD's Quality Assurance Manual for building works 2022 shall be used for minimum assurance plan. In case of any discrepancy between CPWD specifications and Manual, the decision of Engineer in charge shall be final and binding.

(xi) The Contractor shall submit, within 20 days after the date of award of work, a detailed and complete method statement for the execution, testing and Quality Assurance, of such items of works, as directed by the Engineer in charge. All the materials to be used in the work, to give the finished work complete in all respects, shall comply with the requirements of the specifications and shall pass all the tests required as per specifications as applicable or such specifications/ standards as directed by the Engineer in charge. However, keeping the Quality Assurance in mind, the Contractor shall submit, on request from the Engineer in charge, his own Quality Assurance procedures for basic materials and such items, to be followed during the execution of the work, for approval of the Engineer in charge.

1.49.2 Submission and Documentation

(i) The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office. He should also keep at site at least one set of BIS Codes and other relevant codes at site and produce the same if asked for by Engineer in charge. In case of non compliance, these codes will be purchased from the Market and actual cost of purchase will be recovered from the next RA Bill of the Contractor.

(ii) The Contractor shall make available four (04) sets of completed Building Drawings, "As Built Drawings" along with literatures, manuals, warranty certificates etc. of various installed fittings, fixtures and equipment for the completed projects. This shall be the prerequisite for payment of final bill.

(iii) The Contractor shall make available three (03) sets of all drawings of internal and external services i.e. Water Supply, Sanitary line and Drainage lines. This shall be the prerequisite for payment of final bill. These drawings shall have the following information.

- Run off for all piping and their diameters including soil, waste pipes and vertical stacks.
- Ground and invert level of all drainage pipes together with locations of all manholes and connections, up to outfall.
- Run off for all water supply lines with diameters location of control valves, access panels etc.

(iv) The contractor shall submit all measurements pertaining to the work timely through Electronic Measurement Book (EMB).

(v) The Performance Guarantee shall not be released to the contractor until the aforesaid drawings are submitted to the Engineer in charge.

(vi) The contractor will submit computerized measurement sheet/ EMB for the work carried out by him for making payment as per Clause-6 of the applicable GCC for CPWD with amendments upto the previous day of last date of submission of tender. For casting of RCC members and other hidden items the corrected and duly test checked measurement sheets of reinforcement or that of other hidden items shall be deposited with Engineer in charge or his authorized representative, before casting of RCC or other hidden items. The delay in submission of corrected and duly checked measurement sheet may, therefore, delay casting of RCC or execution of hidden item for which no hindrance shall be recorded.

(vii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

1.50 Time and progress chart and revised programe:

The Contractor shall prepare an integrated program chart before start of work including civil as well as E & M activities for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfilment of the program within the stipulated period and submit the same for approval of the Engineer in charge within the period specified in applicable GCC. These shall be submitted by the contractor through electronic media besides forwarding hard copies of the same. The integrated program chart so submitted should not have any discrepancy with the physical milestones attached in the contract agreement. The program chart should include the following:

(i) Descriptive note explaining sequence of various activities.

(ii) Construction Program shall be prepared on **MS PROJECT/ PRIMAVERA Software** or any other software as decided by Engineer in charge which will indicate resources in financial terms, manpower and specialized equipment for every important stage.

(iii) Program for procurement of materials by the contractor.

(iv) Program for arranging and deployment of manpower both skilled and unskilled so as to achieve targeted progress.

(v) Program of procurement of machinery/ equipment having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.

(vi) Program for achieving fortnightly micro milestones and periodic milestones.

(vii) If at any time, it appears to the Engineer in charge that the actual progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time.

(viii) The submission for approval by the Engineer in charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer in charge to take action against the contractor as per terms and conditions of the agreement.

1.51 Submission of Progress Reports

Apart from the above integrated program chart, the contractor shall be required to submit progress report of the work in a computerized form. The progress report shall contain the following, apart from whatever else may be required as specified above:

(a) Construction schedule of the various components of the work through a bar chart for the next two fortnights (or as may be specified), showing the micro- milestone/ milestones, targeted tasks (including material and labour requirement) and up to date progress. At least 10 (ten) digital photographs showing all the parts of construction site along with at least 5 (five) minutes video of executions of different items in soft copy has to be submitted in every fortnightly progress report.

(b) Progress chart of the various components of the work that are planned and achieved, for the fortnight as well as cumulative up to

the fortnight under reckoning, with reason for deviations, if any in a tabular format.

(c) Plant and machinery statement, indicating those deployed in the work.

(d) Man-power statement indicating:

- Individually the names of all the staff deployed on the work, along with their designations.
- No. of skilled workers (trade wise) and total no. of unskilled workers deployed on the work and their location of deployment i.e. blocks.

(e) Financial statement, indicating the broad details of all the running account payment received up to date, such as gross value of work done, advances taken, recoveries effected, amount withheld, net payments details of cheque payment received, extra/ substituted/ deviation items if any, etc.

(f) In case of noncompliance/ delay in compliance in submission of progress report, recovery as specified in applicable GCC shall be made.

1.52 Project Review Meetings

(i) The contractor, immediately on award of work shall submit details of his key personnel to be engaged for the work at site as per relevant Clause of applicable General Conditions of Contract and other contract conditions. In addition, he shall furnish the Engineer in charge a detailed ***organogram*** involved with the work. The contractor shall present the programme and status at various review meetings as required.

(ii) **Weekly Review Meetings:** Shall be attended by Local Team headed by Project in Charge along with PMC team and client representative for every alternative week's

Agenda	a) Weekly programme v/s actual achieved in the past week and programme for next week b) Remedial actions and hold up analysis c) Any decision on quarries raised either by contractor/ PMC

(iii) **Monthly Review Meetings:** Shall be attended by Project in Charge and the Management Representative who can take independent decisions along with PMC team and client's representatives.

Agenda	a) Progress Status/ Statistics b) Completion Outlook c) Major hold ups/ slippages d) Assistance required e) Critical issues f) Any decision on queries raised either by Contractor/ PMC g) Anticipated cash flow requirement for next two months

1.53 Temporary Water/ Electricity/ Telephone Connection

(i) Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall abide by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules/ byelaws in this regard. Nothing extra shall be payable on this account. The contractor can use ground water by digging bore well from the site premises if permissible. He shall maintain the bore log details, static water table, yield, and drawdown level of the bore well and the same shall be handed over to the department. After completion of work he can take out the submersible pump and the bore will become property of employer.

(ii) The Contractor shall be responsible for maintenance of watch and ward of the complete installation and water/ electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Security deposit for the work shall be released only after No Dues Certificates are obtained from the local Authorities from whom temporary electric/ water/ telephone connection have been obtained by the Contractor. Nothing extra shall be payable on this account.

(iii) The Department shall in no way be responsible for either any delay in getting electric and/ or water and/ or telephone connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the

Contractor. Also, contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

1.54 Cleanliness of Site

(i) The Contractor shall not stack building material/ malba / muck on the land or road of the local development authority or on the land owned by the others, as the case may be. So, the muck, rubbish etc. shall be removed periodically as directed by the Engineer in charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor.

Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material/ malba as stated above, the Contractor shall be liable to pay the stacking charges/ penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer in charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.

(ii) 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.

(iii) The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent plots. The Contractor shall take all care to prevent any water logging at site. The waste water, slush etc. shall not be allowed to be collected at site. It may be directly pumped into the creek with prior approval of the concerned authorities. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/ charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

1.55 Inspection of Work

(i) In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by Officers of CPWD/ CTE/ vigilance unit/ TPQA/ User Department and their representatives. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer in charge or other officers as stated above to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.

(ii) Inspection of the work by Committee/ Consultant appointed by the CPWD.

a. The committee/ consultant appointed by CPWD, shall be inspecting the works including workshops and fabrication factory to ensure that the works are in general being executed according to the design, drawings and specifications laid down in the contract. His observations shall be communicated by CPWD Engineering staff and compliance is to be reported to CPWD.

b. The consultant appointed by CPWD shall certify on completion of particular building that it has been constructed according to the approved drawings design and specifications.

(iii) Officers of CPWD, Dignitaries from Central Ministry/ Department, User Department shall be inspecting the on-going work at site at any time with or without prior intimation. The contractor shall, therefore, keep updated the following requirements and detailing.

a. Display Board showing detail of work, weekly progress achieved with respect to targets, reason of shortfall, status of manpower, wages being paid for different categories of workers.

b. Entrance and area surrounding to be kept cleaned.

c. Display layout plan key plan, Building drawings including plans, elevations and sections.

d. Upto date displays of Bar chart, CPM and PERT etc.

e. Keep details of quantities executed, balance quantities, deviations, possible Extra item, substituted Item etc.

f. Keep plastic/ cloth mounted one sets of building drawings.

g. Set of Helmets and safety shoes for exclusive use for officers/ dignitaries visiting at site.

(iv) The work may be inspected by Chief Technical Examiners Organization of Central Vigilance Commission/ Vigilance Unit of CPWD/ Any other

authority. In such case the contractor shall make all arrangements for providing required details/ documents.

1.56 Final Testing of the Installation

The Contractor shall demonstrate trouble free functioning of all the Civil and E & M installations and services. The Engineer in charge or his authorized representatives shall carry out final inspection of the various Civil and E & M services and installations. Any defect(s) noticed during demonstration shall be rectified by the Contractor at his own cost to the entire satisfaction of the Engineer in charge. Nothing extra shall be payable on this account.

1.57 Submission of as built drawings and obtaining Occupation Certificate

The contractor shall obtain occupation certificate/ completion certificate from local bodies including getting the required site visits conducted by such authorities with a view to obtain the same.

1.58 General Clarifications

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

(ii) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries.

(iii) Coarse sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The coarse sand shall be screened before using, if required. If the sand brought to site is dirty, it must be washed in clean water to bring the sand to the required specifications. Nothing extra shall be payable on this account.

(iv) The rates for all items of work, shall unless clearly specified otherwise, include cost of all operations and all inputs of labour, material, T & P, scaffolding, wastages, watch and ward, other inputs, all incidental charges, all taxes, CESS, VAT/ GST, duties, levies etc. required for execution of the work.

1.59 Product delivery, Storage and handling of Chemicals

(i) The contractor shall construct storage space for Chemicals materials to ensure that the storage conditions are as recommended by the manufactures.

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

(iii) All the chemicals {polymers, epoxy, water proofing compound, plasticizer, Polysulphide, SBR based elastomeric, APP (Atactic Polypropylene Polymer), all exterior and interior paints, polish etc.)} shall be procured in convenient packs say 20 litres/ Kg. capacity packing only or as approved by the Engineer in charge, and not in bigger capacity containers, say 200 litre (Kgs.) drums unless otherwise specifically permitted by the Engineer in charge. One sample from each lot of the chemical procured by the contractor shall be tested in a laboratory as approved by the Engineer in charge.

(iv) All material required for the execution of the work shall be got approved, procured and deposited with the Departmental supervisory staff. The materials shall be kept in joint custody of the contractor and the Department.

The watch and ward of such material shall, however, remain to be the responsibility of the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day-to-Day account of receipt, issue and balance shall be regulated by the Department and proper account shall be maintained at site of work in the prescribed form as per the standard practice.

(v) All the chemicals shall be procured by the contractor directly from the manufacturer. In exceptional circumstances, the contractor may be allowed to procure the materials from the authorized dealers of the manufacturers, if specifically permitted by the Engineer in charge.

(vi) The original copies of challan/ cash memos towards the quantity of various chemicals procured shall be made available by the contractor at the request from the Engineer in charge and a copy of the same shall be kept in record.

(vii) The Name of manufacturers, manufacturer's product identification, manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of the each container.

(viii) The contractor shall submit for the chemicals procured, manufacturer's and/ or authorized dealer's certificate regarding supplying and verifying conformance to the material specifications, as specified.

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

(x) Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the Engineer in charge.

(xi) All arrangements for measuring, dosing and mixing of material / chemicals at site have to be made by the contractor.

(xii) Contractor shall suitably advise his site Engineer and all the workers as regards safe handling of chemicals. Necessary protective and safety equipment in form of hand gloves, goggles etc. shall be provided by the contractor and be also used at site.

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

(xiv) The chemicals shall be tested in an independent laboratory as approved by the Engineer in charge at the frequency as specified. If required, more samples may have to be tested as per the directions of the Engineer in charge. Nothing extra shall be payable on this account.

1.60 De-watering

(i) De-watering required, if any, shall be done conforming to BIS Code IS: 9759 (guide lines for de-watering during construction) and/ or as per the specifications approved by the Engineer in charge. Design of an appropriate and suitable dewatering system shall be the Contractor's responsibility. Such scheme shall be modified/ augmented as the work proceeds based on fresh information discovered during the progress of work, at no extra cost. At all times during the construction work, efficient drainage of the site shall be carried out by the Contractor and especially during the laying of plain cement concrete, taking levels etc. The Contractor shall also ensure that there is no danger to the nearby properties and installations on account of such lowering of water table. If needed, suitable precautionary measures shall be taken by the Contractor. Also, the scheme of dewatering adopted shall have adequate builtin arrangement to serve as stand-bye to attend to repair of pumps etc. and disruption of power/ fuel supply. Nothing extra shall be payable on this account.

(ii) In trenches where surface water is likely to get into cut/ trench during monsoons, a ring bund of puddle clay or by any other means shall be formed outside, to the required height, and maintained by the Contractor. Also, suitable steps shall be taken by the Contractor to prevent back flow of pumped water into the trench. Nothing extra shall be payable on this account.

1.61 Third Party Quality Assurance (TPQA):

(a) In order to achieve a high standard of quality, a separate agency if required shall be appointed by CPWD who will carry out independent testing of materials and checking and ensure overall quality procedures. The Contractor shall be required to fully cooperate with the agency and facilitate them in taking samples, transportation and examination of various activities including documentation at no extra time and cost. In case of any adverse findings by the agency, the Contractor shall do the needful rectifications at no extra time and cost. The Engineer in charge shall be at liberty for ensuring quality work done through agencies like IITs/ NITs/ IIITs/ Govt. Engineering College or Institute of repute. The successful Bidder shall include the provisions of Quality Assurance while framing the proposed methodology for tests. The expenditure towards engaging TPQA team shall be borne by the department.

(b) The Contractor shall allow access to Third Party Quality Assurance (TPQA) engaged by Engineer in charge to have a control on quality and methodology of execution. All the arrangements required for sampling, transporting and getting them tested including testing charges shall be borne by the agency/ Contractor for which nothing extra shall be payable. The Contractor shall extend full cooperation to Third Party Quality Assurance Agencies engaged by the department for the Project during their field visits for arranging the necessary quality assurance tests for materials and the construction works.

1.62 Preferred Makes (Brands) of materials:

Preferred makes (brands) of materials, wherever applicable and in the scope of work, are given in the tender document for guidance. Alternate equivalent makes (brands) may also be used subject to:

1.62.2 The contractor submits all documents to the satisfaction of the Engineer in charge to prove that the alternate make meets the contract specifications in all respect and is equivalent to the specified make.

1.62.3 The necessary cost adjustments, if any, on account of above change shall be made by the Engineer in charge.

1.62.4 The Engineer in charge approves the alternate equivalent make.

1.63 Defect liability period:

(i) Defect liability period shall be as per conditions laid down in applicable General Conditions of Contract for CPWD from the date of handing over the building to the User/ Owner/ Client complete in all respects & fit for occupation. During this period, the defects noticed in the work shall be rectified by the contractor at his own cost. In case he fails to do so after

intimation to him in writing by the Engineer in charge, the same shall be carried out by the Department at his risk and cost.

(ii) However, maintenance of other building activities such as cleaning, sweeping of pocket & desilting of sewer lines, S.W. Drain shall be done only once, at the time prior to handing over the building.

1.64 Compliance of directives of Hon'ble National Green Tribunal (NGT) dated 04.12.2014 and 10.04.2015 and EIA Guidance Manual issued in February 2010.

The contractor shall comply with following guidelines on the matter in pursuance of orders passed by Hon'ble National Green Tribunal.

(i) The contractor shall not store/ dump construction material or debris on metalled road.

(ii) The contractor shall get prior approval from Engineer in charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic / inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.

(iii) The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/ area using CGI sheets or plastic and/ or other similar material to ensure that no construction material dust fly outside the plot area.

(iv) The contractor shall ensure that 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 are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/ contaminate air.

(v) The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.

(vi) The contractor shall 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.

(vii) The contractor shall ensure that C&D waste is transported to the C&D waste site only and due record shall be maintained by the contractor.

(viii) The contractor shall compulsorily use of wet jet in grinding and stone cutting.

(ix) The contractor shall comply all the preventive and protective environmental steps as started in the MoEF guidelines, 2010.

(x) The contractor shall carry out on-road-inspection for black smoke generating machinery. The contractor shall use cleaner fuel.

(xi) The contractor shall ensure that all DG sets comply emission norms notified by MoEF.

(xii) The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.

(xiii) The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.

(xiv) Nothing shall be paid extra for fulfilling of all the above conditions except for the items existing in the schedule of quantities. For such items, work done shall be paid on the basis of the agreement rates.

1.65 The scope of work includes submission of three set of hard copies of all drawings (in A1 size or any other size as directed by the Engineer in charge) i.e., Architectural, Structural, Service drawings and any other drawings related to this work to the Engineer in charge. The cost shall be deemed to be inclusive of rate quoted by the agency/ contractor and nothing extra shall be paid separately to the agency/ contractor for this item.

1.66 Recycling, Reuse and Management of C&D Waste

The contractor shall use recycled construction and demolition (C&D) waste materials in the execution of work, subject to availability of a C&D waste processing plant and the following materials in the near vicinity. The Engineer in charge shall find out whether C&D waste processing plant is available in the near vicinity or not. In case the Engineer in charge finds that the plant is available in the near vicinity, the materials which are found available in the plant shall be used. The decision of Engineer in charge in writing shall be final and binding on all issues related to it.

(a) Fly ash bricks/ blocks of recycled C&D Waste/ AAC blocks may be used in masonry work for non-structural members.

(b) 20% recycled sand and 20% recycled aggregate conforming to IS: 383-2016 may be used in non-structural elements.

(c) RMC plants may used 20% recycled sand and 20% recycled aggregate conforming to IS: 383-2016 in RMC supply for non-structural elements.

(d) Precast tiles manufactured by using 20% of recycled materials from C&D plants containing recycled sand and aggregate conforming to IS: 383-2016

may be used.

(e) RMC plant may be approved which have MoU/ agreement with the C&D waste processing plant, for use of recycled coarse and fine aggregates conforming to IS: 383-2016 in the manufacturing of lean concrete.

(f) For sand filling (e.g. sand filling under floors, behind retaining walls, approach roads etc.), only manufactured sand obtained from C&D waste processing plant conforming to IS: 383-2016 may be used.

(g) CC blocks, Paver btocks, Kerb Stones, Concrete tiles on footpaths etc to be used in the works, may utilize recycled materials obtained from C&D waste processing plants conforming to IS: 383-2016.

(h) For cement plaster, the manufactured sand obtained from C&D waste processing plant conforming to IS: 383-2016 may be used.

(i) Quarterly demands should be shared in advance with operators for planning and scheduling plant operations by the contractors.

~~(j) C & D waste processing unit shall be installed at site in redevelopment projects costing more than Rs. 500 crores.~~

All materials used shall comply with relevant IS codes and shall be executed as per the technical specifications, bid document requirements, and the direction of the Engineer-in-Charge.

Special Conditions for Cement brought by the Contractor

1. The contractor shall procure 43 grade ordinary Portland cement conforming to IS:8112 or Portland Pozzolana Cement conforming to IS:1489 (Part-I) as required in the work, from reputed manufacturers of cement such as **ACC, BIRLA, Ultratech, Ambuja cement.**

2. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer in charge. The cement godown of the capacity to store a minimum of 2000 bags of cement or as decided by Engineer in charge in case less than 100 MT cement is required for the work, shall be constructed by the contractor at site of work for which no extra payment shall be made. For small maintenance works, Engineer in charge shall decide the requirement of the storage/ godown.

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

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 material required for testing. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.

5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in relevant clause of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in relevant clause of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made after ensuring structural soundness and stability on the basis of testing. In case of excess consumption, no adjustment needs to made.

6. The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer in charge.

7. The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer in charge. If he does not do so within 3 days of receipt of such notice, the Engineer in charge shall get it removed at the cost of the contractor.

Special Conditions for Steel Reinforcement brought by the Contractor

1. The Contractor shall procure IS marked low alloy TMT bars of various grades from;

   The steel Manufacturers such as SAIL, TATA steel Ltd., RINL, JINDAL steel & power Ltd, and JSW steel Ltd

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.
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 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's time of written orders from the Engineer in charge to do so.
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. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
6. For checking nominal mass, tensile strength, bend test, re-bend test, etc., specimen of sufficient length shall be cut from each size of the bar at random, and at frequency given in applicable CPWD specifications.
7. The contractor shall supply free of charge the material required for testing. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.
8. The actual issue and consumption of steel on work shall be regulated and proper accounts shall be maintained as provided in relevant clause of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in relevant clause of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations, recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment needs to be made.
9. The steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer in charge.

Particular Specifications

1) Form work

The work shall be done in general as per CPWD Specifications.

(a) Only M.S. Centering/ Shuttering and Scaffolding material unless & otherwise specified shall be used for all R.C.C. 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 to be approved by the Engineer in charge.

(b) Double steel scaffolding having two sets of vertical supports shall be provided for external wall finish, cladding etc. The supports shall be sound and strong, tied together with horizontal pieces over which scaffolding platform shall be fixed. Scaffolding shall have steel staircase for inspection works at upper levels.

(c) 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.

(d) As per general engineering practice, level of floors in toilet/ bath, balconies, shall be kept 12 to 20mm, lower than general floors as required shuttering should be adjusted accordingly. The landing level of mumty/ Staircase cabin shall be kept one riser level higher than adjoining slab level so as to accommodate water proofing treatment over terrace slab. In case of kitchen slab the portion of floor trap below kitchen platform be kept at lower level as per drawings. Nothing extra is payable on this account.

(e) Steel shuttering as approved by the Engineer in charge only shall be used by the contractor. Minimum size of shuttering plates shall be 600mm x 900mm except for the case when closing pieces required to complete the shuttering panels. Dented, broken, cracked, twisted or rusted shuttering plates shall not be allowed to be used 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 shuttering plates in the requisite quantity before assembly of steel reinforcement.

(f) For the execution of centring and shuttering, the contractor shall use propriety ‘Reebole” chemical mould release agent of FOSROC or equivalent as shuttering oil as approved by Engineer in charge and nothing extra shall be paid on this account.

2) RCC work (Design Mix Concrete)

The Mix Design shall be got done by the contractor from a NABL accredited laboratory/ IIT/ NIT laboratory with the approval of Engineer in charge. The RCC Work shall be carried out as per the Mix Design approved by the Engineer in charge before start of RCC work.

2.1 General

The RCC work shall be done with RMC or 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. The Ready Mix Concrete shall be as per IS:4926 and as per CPWD Specification and guide lines. For the nominal mix in RCC, CPWD specification shall be followed. The Design Mix Concrete will be designed based on the principles given in IS:456, 10262 and SP 23. The contractor shall carry out design mixes for each class of concrete indicating that the concrete ingredients and proportions will result in concrete mix meeting requirements specified. The cement shall be actually weighed as presumption of each bag having 50 kg shall not be allowed. In case of use of admixture, the mix shall be designed with these ingredients as well. The specification mentioned herein below shall be followed for Design Mix Concrete.

A. Ingredients

i) Coarse Aggregate: As per CPWD Specifications

ii) Fine Aggregate: As per CPWD Specifications.

iii) Water: As per requirements laid down in IS 456-2000 and CPWD specifications.

iv) Cement: Cement arranged by the contractor will be OPC (Confirming to IS 8112)/ PPC (in bags) conforming to IS:1489:2015 (Part-I & Part-II)

B. Admixture

The type of Admixture shall be got approved from Engineer in charge. Admixtures of approved quality shall be mixed with concrete to achieve the desired workability within specified water cement ratio. The admixture shall conform to IS:9103. The chloride content in the admixture shall satisfy the requirement of BS:5075. The total amount of chlorides in the admixture mixed concrete shall also satisfy the requirements of IS:456-2000.

The department shall not be paid anything extra to the contractor/ agency for cost of admixture required for achieving desired workability without any change in specified water cement ratio for RCC/ CC work.

C. Grade of Concrete:

The characteristic compressive strength of various grades of concrete shall be given as below:

Sl. No	Grade Design a-tion	Compressive strength on 15cm cubes min 7	Specified characteristic compressive strength at 28 days (N/mm2)	Minimum cement content* (kg per cum) ratio	Maximum water cement ratio
(i)	M-30	As per Design	As per IS 456	As per IS 456	As per IS 456
(ii)	M-25	As per Design	As per IS 456	As per IS 456	As per IS 456
(iii)	M-20	As per Design	As per IS 456	As per IS 456	As per IS 456
(iv)	M-15	As per Design	As per IS 456	As per IS 456	As per IS 456
(v)	M-10	As per Design	As per IS 456	As per IS 456	As per IS 456

In the designation of concrete mix letter M refers to the mix and the number to the specified characteristic compressive strength of 15 cm Cube at 28 days expressed in N/mm2.

D. Workability of Concrete:

Followings are the required workability of concrete, unless otherwise specified elsewhere or as decided by Engineer in charge.

Placing Conditions	**Degree of Workability**	**Slump (mm)**
(1)	(2)	(3)
Lightly reinforced sections in slabs, beams, walls, columns	Low	25-75
Heavily reinforced section in slabs, beams, walls, columns.	Medium	50-100
Pumped concrete	Medium	75-100

The recommended values of slump for various members to confirm IS 456:2000.

The Concrete mix shall be designed for minimum workability as specified in IS:456-2000.

E. Testing of Design Mix in Lab:

(i) The concrete design mix with or without admixture will be got cementious material carried out by the contractor by any reputed NABL accredited laboratory as per direction of Engineer in charge.

(ii) For such approval various ingredients for mix design as submitted by contractor shall be sent to the lab/ test houses through the Engineer in charge of the project and got it tested in approved laboratories as may be decided by the Engineer in charge. Sample of aggregate sent shall be preserved at site by the department for each different set of Coarse aggregates & Fine aggregates, fresh design shall be done and got approved by the Department. The admixture if used by contractor shall be at his own cost without any extra payment.

(iii) Note: For RMC OPC shall be used in combination with GGBS as follows:

Part of OPC 43 grade cement (conforming to IS8112) can be substituted with Ground Granulated Blast furnace slag (GGBS) to a maximum of 30%. The physical and chemical properties of GGBS shall conform to IS: 12089-1987 (Reaffirmed 2008). Uniform blending with OPC 43 grade cement to be ensured in accordance with clauses 5.2 and 5.2.1 of IS:456-2000.

(iv) 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 in approved by Engineer in charge shall be submitted by the contractor as per the direction of the Engineer in charge.

F. Approval of Design Mix:

(i) The mix design for a specified grade of concrete shall be done for a target mean compressive strength Tck = Fck + 1.65s

OR

Tck = Fck + X whichever is higher as per

IS:10262 (latest version)

Where Fck = Characteristic Compressive Strength at 28 days

s = Standard deviation which depends on degree of quality control

X = Factor based on the grade of concrete

(ii) The degree of quality control for this work is “good” for which the standard deviation (s) obtained for different grades of concrete shall be as per IS relevant IS Standards/ Codes.

(iii) Out of the six specimen of each set, three shall be tested at seven days and remaining three at 28 days. The preliminary tests at seven days are intended only to indicate the strength to be attained at 28 days.

G. Charges For Design Mix:

All cost of mix designing and testing connected therewith including charges payable to the laboratory shall be borne by the contractor.

2.2 Design Mix Concrete from Fully Automatic Computerised Concrete Batching and Mixing Plant

A. Proportioning Concrete

In proportioning cement concrete, the quantity of both cement and aggregates shall be determined by weight. The cement shall be weighed separately from the aggregates. Water shall either be measured by volume in calibrated tanks or weighed. All measuring equipment shall be maintained in a clean and serviceable condition. The amount of mixing water shall be adjusted to compensate for moisture content in both coarse and fine aggregates. The moisture content of aggregates shall be determined in accordance with IS:2386 (Part III). Suitable adjustments shall also be made in the weights of aggregates to allow for the variation in weight of aggregates due to variation in moisture content.

B. Production of Concrete

The concrete shall be RMC produced in a central batching and mixing plant with, computerized printing for contents and admixture dosage. The batching plant shall be fully automatic. Automatic batcher shall be charged by devices which, when actuated by a Single starter switch will automatically start the weighing operation of each material and stop automatically, when the designated weight of each material has been reached. The batching plant shall have automatic arrangement for dispensing the admixture and shall also be capable of discharging water in more than one stage. A print out from the batching plant for every lot shall be submitted. A batching plant essentially shall consist of the following components: Separate storage bins for different sizes of aggregates, silo for cement; and water storage tank.

a) Batching equipment
b) Mixers
c) Control panels
d) Mechanical material feeding and elevating arrangements
e) The Contractor shall arrange for inspection of automatic batching plant within seven days of issue of letter of award to facilitate

inspection and approval of same by Engineer in charge. Nothing extra will be paid for this.

(i) The compartments of storage bins for aggregates shall be approximately of equal size. The cement compartment shall be centrally located in the batching plant. It shall be watertight and provided with necessary air vent, aeration fittings for proper flow of cement & emergency cement cut off gate. The aggregate and sand shall be charged by power operated centrally revolving chute. The entire plant from mixer floor upward shall be enclosed and insulated. The batch bins shall be constructed so as to by self-cleansing during drawdown. The batch bins shall in general conform to the requirements of IS:4925.

(ii) The batching equipment shall be capable of determining and controlling the prescribed amounts of various constituent materials for concrete accurately i.e. water, cement, sand, individual size of coarse aggregates etc. The accuracy of the measuring devices shall fall within the following limits.

Measurement of Cement	±2% of the quantity of cement in each batch
Measurement of Water	±3% of the quantity of water in each batch
Measurement of Aggregate	±3% of the quantity of aggregate in each batch
Measurement of Admixture	±3% of the quantity of admixture in each batch

C. Mixing Concrete

The mixer in the batching plant shall be so arranged that mixing action in the mixers can be observed from the operator's station. The mixer shall be equipped with a mechanically or electrically operated timing, signalling and metering device which will indicate and assure completion of the required mixing period. The mixer shall have all other components as specified in IS:4925.

D. Transportation, Placing and Compaction of Concrete

(i) Mixed concrete from the batching plant shall be transported to the point of placement by transit mixers or through concrete pumps or steel closed bottom buckets capable of carrying 6 cum concrete. In case the concrete is proposed to be transported by transit mixer, the mixer speed shall not be less than 4 rev/ min. of the drum nor greater than a speed resulting in a peripheral velocity of the drum as 70 m/ minute at its largest diameter. The agitating speed of the agitator shall be not less than 2 rev/ min. nor more than 6 rev/ min. of the drum. The number of revolutions of the mixing drum or blades at mixing speed shall be between 70 to 100 revolutions for a uniform mix, after all ingredients, have been charged into the drum. Unless

tempering water is added, all rotation after 100 revolutions shall be at agitating speed of 2 to 6 rev/ min. and the number of such rotations shall not exceed 250. The general construction of transit mixer and other requirements shall conform to IS: 5892.

(ii) In case concrete is to be transported by pumping, the conduit shall be primed by pumping a batch of mortar/ thick cement slurry through the line to lubricate it. Once the pumping is started, it shall not be interrupted (if at all possible) as concrete standing idle in the line is liable to cause a plug. The operator shall ensure that some concrete is always there in the pump-receiving hopper during operation. The lines shall always be maintained clean and shall be free of dents.

(iii) Materials for pumped concrete shall be batched consistently and uniformly. Maximum size of aggregate shall not exceed one-third of the internal diameter of the pipe. Grading of aggregate shall be continuous and shall have sufficient ultrafine materials (materials finer than 0.25mm). Proportion of fine aggregates passing through 0.25mm shall be between 15 & 30% and that passing through 0.125 mm sieve shall not be less than 5% of the total volume of aggregate. When pumping long distances and through hot weather, set-retarding admixtures may be used. Admixtures to improve workability can be added. Suitability of concrete shall be through pumping shall be verified by trial mixes and by performing pumping tests.

2.3 **Preparation of Mixes as per Approved Design Mix and conducting confirmatory test at Field Lab.**

(i) The contractor shall make the cubes of trial mixes as per approved Mix design at site laboratory for all grades, in presence of Engineer in charge using sample of approved materials proposed to be used in the work prior to commencement of concreting and get them tested in his presence to his entire satisfaction for 7 days and 28 days. Test cubes shall be taken from trial mixes as follows.

(ii) For each mix, a set of six cubes shall be made from each of the three consecutive batches. Three cubes from each set of six shall be tested at age of 7 days and remaining three cubes at age of 28 days. The cubes shall be made, cured, transported and tested strictly in accordance with specifications. The average strength of nine cubes at age of 28 days shall exceed the specified target mean strength for which design mix has been approved, the evaluation of test results will be done as per IS : 456-2000.

2.4 **Work Strength Test**

A. Test Specimen

Work strength test shall be conducted in accordance with IS: 516 on random sampling. Each test shall be conducted on six specimen, three of which shall be tested at 7 days and remaining three at 28 days. Additional samples

shall be prepared, if required, as per direction of Engineer in charge for testing samples cured by accelerated method as described in IS:9103.

B. **Test Results of Sample**

The test results of the sample shall be the average of the strength of three specimen. The individual variation shall not be more than + - 15 percent of the average. If more, the test results of the sample are invalid. 90% of the total tests shall be done at the laboratory established at site by the contractor and remaining 10% in the laboratory of Government Engineering colleges, or in any other approved laboratory as directed by the Engineer in charge.

C. **Standard For Acceptance**

(i) Standard of acceptance shall be same as specified in clause 16 of IS 456-2000.

(ii) In order to keep the floor finish as per direction of Engineer in charge and as per Architectural drawings and to provide required thickness of the flooring as per specification, 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.

2.5 **Ultrasonic Pulse Velocity Method of Test for RCC**

(i) The underlying principle of assessing the quality of concrete is that comparatively higher velocities are obtained when the quality of concrete in terms of density, homogeneity and uniformly is good. The consistency of the concrete as regards its general quality gets established. In case of poorer quality lower velocities are obtained. If there are cracks, voids or flaws inside the concrete which come in the way of transmission of pulse, lower velocities are obtained.

(ii) The quality of concrete in terms of uniformity, incidence or absence of internal flaws, cracks and segregation etc. indicative of the level of workmanship employed, can thus be assessed using the guidance given in table below, which have been evolved for characterizing the quality concrete in structure in term of the ultrasonic pulse velocity.

Velocity criterion for Concrete Quality Grading;

Sl. No.	Pulse velocity by Cross Probing (km/sec)	Concrete Quality Grading
1	Above 4.40	Excellent
2	3.75 to 4.40	Good
3	3.0 to 3.75	Doubtful
4	Below 3.0	Poor

(Note: In Case of "doubtful" quality it may be necessary to carry further tests. Poor shall be rejected)

(iii) Pulse velocity method of test of concrete is to be conducted for CPWD works as a routine test. The acceptance criteria as per the above table will be applicable which is as per IS:516 (Part-5 Sec-I) 2018. From the above "Good" and "Excellent" grading are acceptable and below these grading the concrete will not be acceptable.

(iv) 5% of the total number of RCC members in each category i.e. beam, column, slab and footing may be tested by UPV test method for establishing quality of concrete. It is suggested that test be conducted on RCC beam near joint with column, on RCC column near joint with beam, on RCC footings and rafts. On RCC rafts a suitable grid can be worked out for determining number of tests. In addition doubtful areas such as honeycombed locations, locations, where continuous seepage is observed, construction joints and visible loose pockets will also be tested.

(v) The test results are to be examined in view of the above acceptance criteria "Good" and "Excellent" and wherever concrete is found with less than required quality as per acceptance criteria, repairs to concrete will be made. Honeycombed areas and loose pockets will be repaired by grouting using Portland Cement Mortar/ Polymer Modifies Cement Mortar/ Epoxy Mortar, etc., after chipping loose concrete in appropriate manner. In areas where concrete is found below acceptance criteria and defects are not apparently visible on surface, injecting approved grout in appropriate proportion using epoxy grout/ acrylic Polymer modified cements slurry made with shrinkage compensating cement/ plain cement slurry etc will be resorted to for repairs (refer relevant chapters from CPWD Hand Book on Repairs and Rehabilitation of RCC Buildings). Repair to concrete will be done till satisfactory results are obtained as per the acceptance criteria by retesting of the repaired area. If satisfactory results are not obtained dismantling and relaying of concrete will be done at the cost of contractor.

2.6 Measurement

As per applicable CPWD specifications

2.7 Tolerances

As per applicable CPWD specifications

2.8 Rate

(i) The rate includes the cost of materials and labour involved in all the operations described above.

(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 be worked out accordingly on the basis of analysis.

(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 pulse velocity test, load test on structure or part of structure etc) to be carried out at the cost 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 governed by the 28 days cube test results and reduced rates shall be regulated in accordance with para 5.4.13.2 of CPWD specification 2019 Vol-I.

2.9 Cover / Spacer Block

The contractor shall provide approved type of support for maintaining the bars in position and ensuring required spacing and correct cover of concrete to reinforcement as called for in the drawings, spacer blocks of required shape and size. Chairs and spacer bars shall be used in order to ensure accurate positioning of reinforcement. Spacer blocks 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 equivalent as approved by the Engineer in charge at his discretion) of high early strength and same colour as surrounding concrete, Pre-cast cement mortar/ concrete blocks/ blocks of polymer shall not be used as spacer blocks unless specially approved by the Engineer in charge, rate of RCC items is inclusive of cost of such cover blocks.

Flooring

a) All the work in general shall be carried out as per applicable CPWD Specifications.

b) The vitrified tiles shall be as specified. The tiles shall be of specified colours as shown in the drawings or as decided by the Engineer in charge and will be laid in pattern as per architectural drawings or as decided by the Engineer in charge. Nothing extra shall be paid for laying tiles in specific pattern. The tiles shall be of first quality of approved make.

c) Proper gradient shall be given to flooring for toilets, veranda, kitchen, courtyard etc. so that the wash water flows towards the direction of floor trap. Any reverse slop if found, these shall be made good by the contractor by ripping open the floor/ grading concrete and nothing extra shall be paid for such rectifications.

d) The flooring and skirting will be executed as per pattern shown in the Architectural drawings and/ or as per approval of Engineer in charge.

e) Single piece stone shall be used in treads, risers etc. of staircase and platform of kitchen, pantry etc. and other similar places.

f) There shall be a level difference in the finished floor of following areas:

Sl. No.	Higher area	Lower area	Level Difference
1	Rooms	Corridor	10 mm
2	Staircase lobby/ landing	Terrace	50 mm
3	Room/ Corridor	Balcony	25 mm
4	Corridor	Toilet floor	10 mm
5	Toilet floor	WC & Bathroom	10 mm

The level difference shall be finished with at least 100mm wide strip of granite with nosing. However, final decision on Level difference, width of strip, type of material, higher area, lower area etc., will be as decided by Engineer in Charge.

Any screed concrete/ cement mortar required to maintain the level of different types of flooring and to create level difference as mentioned in the above table shall be provided by the contractor for which nothing extra shall be payable.

3) Stone Flooring

(i) All work in general shall be carried out as per applicable CPWD Specifications.

(ii) Whenever flooring is to be done in patterns of stones, the contractor shall get samples of each pattern laid and approved by the Engineer in charge before final laying of such flooring. Nothing extra shall be payable on this account.

(iii) The samples shall not be of a size less than 400mm x 400mm or as required by Engineer in charge.

(iv) The sample produced shall be fully supported by the details of location/ quarry and the same shall not be removed except with the written permission of Engineer in charge. Samples for Flame burnt/ finish granite shall be produced separately. Flame burning shall be carried out after the selection of the basic granite sample. Flame burning shall be uniform and with a uniform texture across the entire surface of the slab. The Flame burning of the stone slab shall be inspected by the Engineer in charge as and when found necessary and full support for the inspection shall be provided. Full width stone over kitchen platform shall be provided except to adjust for closing pieces. The marble/ any stone flooring in treads and risers of stair case is to be laid in single piece. 40 mm wide sand blasted strip at a distance of 50mm from the edge of the tread to create contrasting colour shall be provided, if required by the Engineer in charge. Nothing extra shall be paid on these accounts.

(v) The plinth area rate, wherever applicable, offered is inclusive of providing sunken flooring in bathrooms, kitchen etc. Proper gradient shall be given to flooring for toilets, veranda, kitchen, courtyard, etc. as per the directions of Engineer in charge.

Nothing extra shall be paid on these account.

(vi) The stone flooring will be laid in pattern as per the Architectural drawings and/ or as decided by the Engineer in charge and nothing extra shall be paid for providing flooring in specific pattern.

4) Wood work:

The wood work in general shall be carried out as per applicable CPWD Specifications.

(i) The samples of species of timber to be used shall be deposited by the contractor with the Engineer in charge before commencement of the work. The contractor shall produce cash vouchers and certificates from standard kiln seasoning plant operator about the timber to be used on the work having been kiln seasoned by them, failing which it would not be accepted as kiln seasoned.

(ii) Specified timber shall be of good quality and well-seasoned. It shall have uniform colour, reasonably straight grains and shall be free from knots, cracks, shakes and sapwood.

(iii) Wood work shall not be painted, oiled or otherwise treated before it has been approved by the Engineer in charge.

(iv) All fittings and fixtures shall be got approved from the Engineer in charge before procurement well in advance and the approved samples shall be kept at site till completion of the work.

(v) Factory made wooden shutter, as specified shall be obtained from factories to be approved by the Engineer in charge, shall conform to relevant IS Code. The contractor shall inform well in advance to the Engineer in charge the name and address of the factory where from he intends to get the shutters manufactured. The contractor will place order for manufacturing of shutters only after written approval of the Engineer in charge in this regard is given. The contractor is bound to recommend name(s) of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutters will however, be accepted only if they meet the specified tests. The contractor will also arrange stage wise inspection of the shutters at factory by the Engineer in charge or his authorized representative. The contractor will have no claim if the shutters brought at site are rejected by the Engineer in charge in part or in full lot due to bad workmanship/ quality. Such shutters will not be measured and paid. The contractor shall remove the same from the site of work within 7 days after the written instructions in this regard are issued by the Engineer in charge.

(vi) The shutters should be brought at site without primer/ painting.

(vii) Inspection of shutters shall be carried out for dimensions & tolerances, size & type, general construction & workmanship, finish & glazing at the frequency specified in applicable CPWD Specifications.

(viii) **Criteria for conformity**

As per applicable CPWD Specifications

(ix) **Testing**

As per applicable CPWD Specifications

(x) **Finish:**

a. All components of door shutter shall have smooth finish.

b. Panels of the door shutters shall be flat and well sanded to a smooth and level surface.

c. All the surfaces of door shutters which are required to be painted or polished or varnished shall be got approved from the Engineer in charge before applying protective coat of primer, polish or varnish.

5) Specification for Aluminium Fittings for doors:

(a) The aluminium fittings and fixtures shall be machine made and free of fabrication marks, residual effects of welding/ riveting etc., with anodic coating not less than grade AC 10 as per IS.1868 transparent or dyed to required colour or shade with necessary screws.

(b) The fitting shall be finished in a Satin finish (brushed finish-satin's commercial purpose) except wherever specified otherwise. The brush effect shall be uniform and without any variations.

(c) Irrespective of the stipulations contained above, the contractor shall produce samples for all the fitting in advance and a written approval for the chosen sample shall be obtained from the Engineer in charge. The decision of the Engineer in charge in respect of the specification, quality and make of fitting to be used at site shall be final and binding on the contractor. Nothing extra shall be payable on this account.

(d) All the fittings shall be provided with all such accessories as are required to complete the item in working condition whether specifically mentioned or not in the schedule of quantities, specification & elsewhere in this bid document. The quoted rates shall be deemed to be all inclusive for a complete item fit for use including all material. Labour, T & P, Specials, fixing arrangements, nuts, bolts, screws, bushes, all required connection pieces etc. as well as making good the surface wherever required.

6) Finishing:

(i) The work shall be carried out as per applicable CPWD Specifications.

(ii) The plastering work shall be carried out as per applicable CPWD Specifications.

(a) Necessary Geo-synthetic fibre/ GI chicken wire mesh of minimum 200 mm wide shall be provided at junctions of dissimilar materials (i.e. masonry walls with RCC members etc.) before plastering on inner and outside of junctions.

(b) Necessary grooves shall be provided at the junction of dissimilar materials (on inner and outer side of junctions) and shall be neatly finished wherever directed by Engineer in Charge. Necessary drip course shall be provided in Chajjas, Balcony, Projecting Roof, Beams etc.

Nothing extra shall be payable for the items mentioned at (a) & (b) above.

(iii) The Primer, Synthetic Enamel paint, distemper, acrylic emulsion paint, etc., of makes as approved by the Engineer in charge and of low VOC, shall only be used and brought to the site of work in the original sealed containers. The material brought to the site of work shall be sufficient for at least 60 days of work or as decided by the Engineer in charge. The material shall be kept under the joint custody of contractor and representative of the Engineer in charge. The empty containers shall not be removed from the site till the completion of the work without permission of the Engineer in charge.

7) Water Supply, Sanitary Installations, Drainage etc.,

(i) The contractor shall furnish all labour, material and equipment, transportation and incidental necessary for supply, installation, testing and commissioning of the complete Plumbing/ system as described in the Specifications and as shown on the drawings. This also includes any material, equipment, appliances and incidental work not specifically mentioned herein or noted on the Drawings/ Documents as being furnished or installed, but which are necessary and customary to be performed under this contract.

(ii) The Plumbing/ Sanitary system shall comprise of following:

(a) Sanitary and water supply Fixtures and Fittings
(b) Internal and External Water Supply
(c) Internal and External Drainage
(d) Approval from Local Authorities
(e) Balancing, testing & commissioning
(f) Test reports and completion drawings

(iii) The contractor shall procure and install all pipes, Sockets/ Nipples including shut-off valve etc as specified.

(iv) The contractor shall ensure that senior and experienced plumbers are assigned exclusively for this work. Such plumber(s) should have valid license from the local authorities. The project management shall be done through modern technique. For quality control & monitoring of workmanship, contractor shall assign at least one engineer who would be exclusively responsible for ensuring strict quality control, adherence to specifications and ensuring top class workmanship for the installation.

(v) The work shall be in conformity with the Bye-laws, Regulations and Standards of the local authorities concerned. But if these Specifications and drawings call for a higher standard of materials and/ or workmanship than those required by any of the above regulations and standards, then these Specifications and drawings shall take precedence over the said regulations and standards. However, if the drawings and specifications require something which violates the Bye-laws and Regulations, then the Bye-laws and Regulations shall govern the requirement of this installation.

(vi) The contractor shall obtain all permits/ licenses and pay for any and all fees required for the inspection, approval and commissioning of their installation. However, all receipted amount shall be reimbursed on production of proof of payment.

(vii) The Plumbing drawings are to be given by the contractor for obtaining approval from Engineer in charge. The Plumbing/ Sanitary Drawings given by the Engineer in charge or issued with tenders are diagrammatic only and indicate arrangement of various systems and the extent of work covered in the contract. These Drawings indicate the points of supply and of termination of services and broadly suggest the routes to be followed. Under no circumstances shall dimensions be scaled from these Drawings. The contractor shall follow these drawings in preparation of his shop drawings, and for subsequent installation work.

(viii) The contractor shall examine all architectural, structural, plumbing, electrical and other services drawings and check the as-built works before starting the work, report to the Engineer in charge any discrepancies and obtain clarification. Any changes found essential to coordinate installation of his work with other services and trades, shall be made with prior approval of the Engineer in charge without additional cost to the department.

(ix) All the shop drawings shall be prepared on computer through AutoCAD System based on Architectural drawings and site measurements. Contractor shall furnish, for the approval of Engineer in charge, the two sets of detailed shop drawings of complete work and materials including layouts for Plant room, Pump room, Typical toilets drawings showing exact location of supports, flanges, bends, tee connections, reducers, detailed piping drawings showing exact location and type of supports, valves, fittings etc; external insulation details for pipe insulation etc.

(x) These shop drawings shall contain all information required to complete the work. These drawings shall contain details of construction, size, arrangement, operating clearances, performance characteristics and capacity of all items of equipment, also the details of all related items of work by other contractors.

Each shop drawing shall contain tabulation of all measurable items of equipment/ materials/ works and progressive cumulative totals from other related drawings to arrive at a variation-in-quantity statement at the completion of all shop drawings. Minimum 4 sets of drawings shall be submitted after final approval along with CD. When he makes any amendments in the above drawings, the contractor shall supply two fresh sets of drawings with the amendments duly incorporated along with check prints, for approval. The contractor shall submit further four sets of shop drawings to the Engineer in charge for the exclusive use by the Engineer in charge and all other agencies. No material or equipment may be delivered

or installed at the job site until the contractor has in his possession, the approved shop drawing for the particular material/ equipment/ installation.

(xi) Shop drawings shall be submitted for approval four weeks in advance of planned delivery and installation of any material to allow the Engineer in charge ample time for scrutiny. No claims for extension of time shall be entertained because of any delay in the work due to his failure to produce shop drawings at the right time, in accordance with the approved programme.

(xii) Samples of all materials like valves, pipes and fittings etc. shall be submitted to the Engineer in charge prior to procurement for approval and retention by Engineer in charge and shall be kept in their site office for reference and verification till the completion of the Project. Wherever directed a mock-up or sample installation shall be carried out for approval before proceeding for further installation without any extra cost.

(xiii) Approval of shop drawings shall not be considered as a guarantee of measurements or of building dimensions. Where drawings are approved, said approval does not mean that the drawings supersede the contract requirements, nor does it in any way relieve the contractor of the responsibility or requirement to furnish material and perform work as required by the contract.

(xiv) All materials and equipment shall conform to the relevant Indian Standards and shall be of the approved make and design. Makes shall be in conformity with list of approved manufacturers.

(xv) Balancing of all water systems and all tests as called for the CPWD Specifications shall be carried out by the contractor through a specialist group, in accordance with the Specifications and ASPE/ ASHRAE Guidelines and Standards. The installation shall be tested and shall be commissioned only after approval by the Engineer in charge. All tests shall be carried out in the presence of the representatives of the Engineer in charge and nothing extra shall be payable on this account.

(xvi) The contractor shall submit “completion plans of services” for water supply, internal installations and building drainage work within 15 days of the date of completion. These drawings shall be submitted in the form of two sets of CD’s and four portfolios (300 x 450 mm) each containing complete set of drawings on approved scale indicating the work as - installed. These drawings shall clearly indicate complete plant room layouts, piping layouts and sequencing of automatic controls, location of all concealed piping, valves, controls and other services. In case the contractor fails to submit the completion plans as aforesaid, security deposit shall not be released and these shall be got prepared at his risk and cost.

(xvii) The CCI/ CI/ PVC pipe and GI pipe etc. wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs and nothing extra shall be paid for this.

(xviii) The variation in consumption of material shall be governed as per CPWD Specification and clauses of the contract to the extent applicable.

(xix) Rates quoted shall be inclusive of all work and items given in the above mentioned specifications and Schedule of Quantities and applicable for the work under floors, in shafts or at ceiling level at all heights and depths. All rates are inclusive of cutting holes and chases in RCC and masonry work and making good the same. Rates are inclusive of pre testing and onsite testing of the installations, materials and commissioning.

8) Cleaning and Disinfection of Pipelines

On completion of hydraulic tests and before a pipe is disinfected, it shall be proved to be free from obstruction, debris and sediment by scouring or by any other process which the Engineer in charge may prescribe. Upon satisfactory completion of testing and cleaning, the pipelines shall be disinfected as order. Chlorine solution shall be applied at the charging point as the pipeline is being filed and dosing shall be continued until the pipeline is full and at least 50 parts of chlorine per million parts of water have been made available and distributed evenly. If ordinary bleaching power is used, proportions will 150 gms of power to 1000 litre of water. If a proprietary brand is used, the proportion shall be as specified by the manufacturer. The treated water shall be left in pipeline for a period as directed but not exceeding 24 hours chlorine residual tests shall be taken at various points along the pipeline. The disinfection process shall be repeated until the sample of water taken from the pipeline are declared fit for human consumption by a recognized laboratory.

9) Stainless Steel Hand Rail

Providing, fabricating and fixing in position welded built-up section using stainless steel section/ pipes and connecting plates, of Grade SS 304 (SS 316 Grade shall be used for exterior applications) and of required diameter & thickness as per the Engineer in charge. Drawings and details, at the junctions of doors, on walls, other locations as directed etc. including cutting, welding, grinding, bending to required profile and shape, finish, hoisting, buffing and polishing, cutting chase/ embedding in RCC/ Masonry, fixing using stainless steel screws, nuts, bolts and washers or stainless steel fasteners as required to make it rigidly fixed & stable and making good the plaster/ flooring etc. all complete, at all floors and all levels as directed by the Engineer in charge. Prototype samples to be approved by Engineer in charge before mass fabrication.

Rate includes cost of all inputs of materials, labour, T&P, etc. involved in the work and all incidental charges to execute this item.

10) Construction Joints

Construction joints in PCC, RCC and Light Weight Concrete works etc., shall be provided only at places as per approved structural drawings. It shall not in any manner structurally or functionally affect the structure. If, any additional construction joint is required to be provided, it shall be done with approval of the Engineer in charge. The centring, shuttering, strutting etc., required for the construction joint in PCC, RCC and Light Weight Concrete works shall be provided as per the CPWD Specifications. Nothing extra shall be payable on this account.

11) Treatment to the construction joints and rectification of defects

All care shall be taken to minimize the number of construction joints in the basement raft and walls as well as in the levelling course of PCC at base. Still, wherever the construction joints are provided, these shall be slightly opened up and then suitably filled with cement mortar 1:3 (1 cement: 3 fine sand) after applying a bond coat of cement slurry. The aluminium nipples shall be fixed in the cavity and crevices, if required. Then cement slurry of w/c ratio 0.5 shall be pressure grouted through these nipples as required, which shall then be suitably cut. Nothing extra shall be payable on this account.

All care shall be taken to avoid any honey combed concrete or any cavity. Still, if any honey combed concrete or cavity in RCC wall is encountered the same shall be rectified by removing all loose concrete by chiselling. The chipped concrete surface shall be cleaned and made dust free by blowing compressed air and then washed clean with water (but without excess water). Then a bond coat of polymer modified cement slurry @ 2.2 kg of cement per sqm of concrete surface, in two coats, shall be applied as specified. The second coat shall be applied immediately within 15-20 minutes of application of the first coat. A coat of polymer modified cement plaster of mix 1:3 (1 cement: 3 fine sand) of the required thickness shall be applied as specified to fill the cavity if the required thickness is less than 20 mm. If the required thickness is more than 20 mm. the cavity shall be filled by concrete of relevant grade after providing the required centering and shuttering. The surface shall then be moist cured for minimum 7 days. Nothing extra shall be payable on this account.

12) Expansion Joint

(a) General Seismic/ separation joints shall be provided where shown on the drawings. They shall be constructed with in gap between the adjoining parts for the works of the width specified in the drawings.

(b) The contractor shall ensure that no debris is allowed to enter and be lodged in seismic and separation joints.

(c) Seismic or separation joints shall be provided with approved 50mm thickness of compressible filer board, backer rod and polysulphide sealant compound etc.,

(d) Board to be used in expansion joint shall be of best approved quality and shall be got approved before use. It shall have minimum density of 95 kg/cum, Non staining with less than 1% water absorption and compression recovery of 93% minimum as per the specifications.

Method of Application

(e) 150mm thick expansion board having sufficient width directed by Engineer in charge shall be provided in expansion joint before filling and finishing the expansion joint with sealant.

(f) The expansion joint shall be cleaned and made dry completely. All loose materials shall also be removed. The joints gap shall be made uniform in width and depth after cleaning the joints. The backup materials of best quality shall be provided in position in order to produce the size of joint i.e. width and depth. The primer part of I and II shall be mixed thoroughly together in required proportion as prescribed by manufacture specification, so that a uniform mixture obtained. The mixed solution shall be applied to two sides of the joint that it covers the sides complete.

(g) Disturbed edges of RCC members near expansion joints shall be finished with rich mortar without any extra work includes providing required width of expansion board in the joints and measurement of expansion board only shall be taken.

(h) Sampling criteria

Following test carried out at every 100 sqm:

(i) Density

(ii) Water absorption

(iii) Compression recovery

13) Gang saw cut granite floor slabs

The schedule provide for mirror polished/ leather finished granite slab flooring using Gang saw cut granite slabs. The size of such gang saw cut granite slabs shall not be less than 1.5m x 2.4m. The granite block shall be gang saw cut using water cutting process. The polishing of the cut stone slabs should be automatic machine polished to highly even surface without any undulations. Manual polished and kerosene cutting process slabs shall not be accepted and shall be rejected.

14) Solid cement concrete masonry block works

The cement concrete blocks shall strictly conform to the standards of IS 2185 (Part-I):2005, CPWD Specifications etc. for manufacturing process as well as for physical requirements and tests.

15) Water proofing treatment works

1. General

1.1 The work shall be got executed as per CPWD Specifications and as per the manufacturer's specification through specialized agency as approved by the Engineer in charge.

1.2 The contractor shall furnish the following particulars immediately after the issue of letter of acceptance by the department.

(a) The name of the specialized firm

(b) The trade names of the product, which would be used

(c) List of works where the treatment has been used

(d) Quantity of chlorides and sulphides used in the product

1.3 The main contractor shall submit the credential of specialized agency well in advance as per the direction of Engineer in charge. After verification of the same, written approval will be conveyed to main contractor in this regard. The quantum of credentials will be broadly in line with CPWD guidelines. The main contractor shall not change the specialized agency. However, if the change is warranted, he may do so, with permission of Engineer in charge. However before making any such change he has to enter into similar agreement as with previous agency & submit the same to Engineer in charge for approval. This shall however be without any change in the accepted rates of the contract agreement and without any cost implications to the Department.

1.4 It shall be the responsibility of main contractor to sort out any dispute/ litigation with the Specialized Agencies without any time & cost overrun to the Department. The main contractor shall be solely responsible for settling any dispute/ litigation arising out of his agreement with the Specialized Agencies. The contractor shall ensure that the work shall not suffer on account of litigation/ dispute between him and the specialized agencies/ sub- contractor(s). No claim of hindrance in the work shall be entertained from the Contractor on this account. No extension of time shall

be granted and no claim what so ever, of any kind, shall be entertained from the Contractor on account of delay attributable to the selection/ rejection of the Specialized Agencies or any dispute amongst them.

2. Guarantee for water proofing treatment

The contractor shall be fully responsible for and shall guarantee proper performance of the entire waterproofing system for a period of 10 (Ten) years from the final completion of works. In addition, specific 10 years written guarantee (to be furnished in a non-judicial stamp paper of value not less than Rs.200/-) in approved proforma shall be submitted for the performance of the system, before final payment and shall not in any way limit any other rights the Employer may have under the contract. Guarantee for water proofing shall comprises of all the items described above in particular specification.

All water-proofing work shall be carried out through approved specialist agency as per method of working approved by the Engineer in charge. However, the contractor shall be solely responsible for waterproofing treatment until the expiry of the above guarantee period.

Ten years guarantee in prescribed proforma attached shall be given by the contractor for the water proofing treatment. Towards that 10% (ten percent) of the cost of these items of water proofing under this sub head **worked out on quoted rate** shall be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after five years from the date of completion of the work, if the performance of the waterproofing works is satisfactory. The remaining withheld amount shall be released after completion of ten years from the date of completion of work, if the performance of the waterproofing work is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer in charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialist agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the department.

3. Guarantee to Be Executed by Contractor for Removal of Defects After Completion of Work in Respect of Water Proofing Works

This agreement made this _____day of _____two thousand _____ and between_____ (Name of the contractor, hereinafter call Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

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

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water/ leak proof for ten years from the date of completion of work.

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

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

a) Misuse of roof shall mean by operation, which will damage roofing treatment, like chopping of firewood and things of the same nature, which might cause damage to the roof.

b) Alteration shall mean construction of an additional storey or a part of roof or construction adjoining to existing roof, where by roofing treatment is removed in parts.

c) The decision of the Engineer in charge with regard to cause of leakage shall be final.

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

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

IN WITNESS WHERE OF these presents has been executed by the Obligator _____and by _____and for and on behalf of the PRESIDENT OF INDIA on the day month and year first above written.

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

1.

2.

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

1.

2.

(***Guarantee to be signed and delivered on a Non-Judicial stamp paper worth not less than Rs.200/-)***

16) Miscellaneous

(a) Mixer having arrangement of weighing water for controlling W.C. ratio should only be used in all PCC and RCC works where there is no provision for Ready Mix Concrete.

(b) Only factory-made M-30 grade cover blocks shall be used. No other type of cover blocks shall be permitted.

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

(d) Centring and shuttering for all concrete and reinforced concrete wherever required shall be in steel and/ or plywood to produce a smooth and uniform finish on all exposed surfaces. However, all props, bracings, scaffolding etc., shall be in steel. The entire responsibility of planning, design, erection and safety of formwork shall lie with the Contractor.

(e) Shuttering in curved profile

For shuttering curved in elevation the steel/ ply shuttering shall be fabricated to achieve the curved profile as per the architectural drawings.

(f) The contractor shall arrange and provide at the site of work all the equipment for field testing as required like balances, sieves, slump cone, dial gauges, compression testing machines (still the samples shall be tested in an independent laboratory as approved by the Engineer in charge), graduated measuring cylinders, steel tapes, vernier calipers, micrometer screw gauges, plumb bobs, spirit levels, Schmidt rebound hammer, total station survey equipment, magnifying glass, screw drivers, plastic bags for samples, etc. Allowing establishing the site laboratory by the contractor shall not absolve the contractor from fulfilling the criteria of getting the tests done in an independent laboratory. The decision of the Engineer in charge of allowing any test in the site laboratory or any other laboratory shall be final and binding on the contractor and no claim of any kind whatsoever shall be entertained from the contractor on this account.

(g) Even if the certain items of work are carried out by the specialized contractors the responsibility for the work shall however rest with the contractor only.

(h) Unless otherwise specified for the item, the maximum water cement ratio for any grade of concrete shall not be more than 0.5. The contractor shall within 15 days of issue of letter for commencement of the work, submit the mix design for various grades of concrete along with 7days crushing

strength reports and within 40 days submit 28 days crushing strength reports, for the samples for the mix. Nothing extra shall be payable on account of admixing any chemical admixture for achieving any characteristic for the concrete. Concreting shall be commenced only after the approval of the mix design by the Engineer in charge.

(i) Wherever required the M.S. inserts shall be provided during the casting of RCC / PCC for which nothing extra shall be payable. As far as possible the contractor shall plan that the concreting is carried out during day shift.

(j) Reinforcement Placing

The contractor shall provide approved type of support for maintaining the bars in position and ensuring required spacing and correct cover of concrete to reinforcement as called for in the drawings, spacer blocks of required shape and size. Chairs and spacer bars shall be used in order to ensure accurate positioning of reinforcement. Spacer blocks 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 equivalent as approved by the Engineer in charge at his discretion) of high early strength and same colour as surrounding concrete, Pre-cast cement mortar/ concrete blocks/ blocks of polymer shall not be used as spacer blocks unless specially approved by the Engineer in charge, rate of RCC items is inclusive of cost of such cover blocks.

List of Preferred Makes (Brands) of materials and Names of Specialized Agencies (for Civil works)

1) List of Preferred Makes (Brands) of materials and names of specialized agencies is attached for usage in execution of work. However, approved equivalent material of any other specialized companies/ firms may also be used, in case it is established that the Brands specified are not readily available in the market or in other unavoidable circumstances subject to approval of alternate Brand by the Engineer in Charge.
2) It must be ensured, in general, that all materials to be used in the works shall bear BIS Certification mark. In cases where for a particular material/ product, BIS Certification Mark is not available, then the material proposed to be procured can be used subject to the conditions that it should conform to CPWD Specifications and relevant BIS codes. In such cases written approval of the Engineer in Charge shall be obtained before use of such material in their works.
3) The list given below does not absolve the Executing Agency from their responsibility for using these products. It is only after, they have satisfied about the quality and performance, the products shall be used. To achieve this, proper check on the quality of the products, actually to be used, should be exercised.
4) The contractor shall obtain prior approval from the Engineer in charge before placing order for any specific material or engaging any of the specialized agencies. The contractor shall make a detailed submittal as per the contract with catalogues and proposed specifications (duly highlighting relevant matter). In case of specialized agencies, they will also submit full details of the works executed by the specialized agencies.
5) In case any make included in the preferred makes (brands) list is found to be below the standards of quality and specifications and/ or is deficient in any other manner, that make shall be considered as deleted by the Engineer in charge from the list.
6) Public procurement (Preference to Make in India) Order (PPP-MIII)-2017 - Revision dated 29.05.2019 and DoT Public Procurement (Preference to Make in India) Order (PPP-MII Order) dated 29.08.2018 with upto date amendments / latest order till the last date of receipt of tender will prevail and shall be complied with.
7) The contractor will submit relevant documents to enable the Engineer in charge to verify that manufacturers have valid IS Certification as on date for materials, wherever applicable.
8) In case, make for any material to be used in work is not specified in the list, the Engineer in charge may approve the make.
9) The above make shall be used if not otherwise mentioned in the nomenclature of respective items.
10) Decision of Engineer in charge in case of any discrepancy shall be final and binding on all above points.

Sl. No.	Materials	Preferred Make
1	ORDINARY PORTLAND CEMENT / PORTLAND POZZOLANA CEMENT.	ACC CEMENTS LTD, ULTRATECH CEMENT LTD., AMBUJA CEMENTS LTD. BIRLA CORPORATION LTD., DALMIA CEMENT BHARAT LTD., J.K. CEMENT PVT. LTD.,
2	WHITE CEMENT	J.K. WHITE, BIRLA WHITE, ASIAN PAINTS, ULTRATECH
3	DAMP PROOF MATERIAL	ARDEX ENDURA, ACCO PROOF OF ACC CEMENT LIMITED, ASIAN PAINTS, BIRLA OPUS
4	CHEMICAL ADMIXTURES	FOSROC, SIKA, BASF, PIDILITE,
5	EXPANSION JOINT BOARD	SUPREME INDUSTRIES, SIL FILL OR EQUIVALENT, STP LTD
6	INJECTION GROUTING	ARDEX ENDURA, FOSROC, SIKA, BASF, CICCO, ASIAN PAINTS
7	RMC / DMC	ULTRATECH, LAFARGE, ACC, RMC INDIA,
8	STEELWORK / TMT BARS	IS MARKED TMT BARS OF TATA SAIL, JSPL, JSW, RINL
9	AAC BLOCKS	XTRALITE FROM ULTRATECH, AEROCON FROM HIL, NCL, SIPOREX
10	CC BLOCKS / FLYASH BLOCKS	SIPOREX, SUNVIK, HIL, ULTRATECH
11	FRP DOOR FRAME	RAWJI, FIBERTECH, ASTRALWIN DOORS
12	FRP DOOR SHUTTERS	RAWJI, FIBERTECH, ASTRALWIN DOORS
13	PVC DOOR SHUTTER AND DRAME	RAJSHREE, SINTEX, POLYLINE
14	WOODEN FLUSH DOORS	KITPLY, CENTURY, GREENPLY, ARCHID PLY

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

15	WOOD POLYMER COMPOSITE (WPC) BOARD / DOOR SHUTTER / DOOR FRAME	TREELAB, FLORESTA, RAJESWARI PRODUCTS PVT LTD (RAJSHREE), ALSTONE INDUSTRIES PVT LTD, ECOSTE WOOD POLYMER COMPOSITE, KUMAR ARCH TECH PVT LTD, QUTEEXTRUCTIONS PVT LTD, FALCON GREEN SOLUTIONS PVT LTD.
16	WATER PROOF PLY	KITPLY, CENTURY, ARCHID PLY, GREENPLY
17	COMMERCIAL PLY/BWP MARINE PLY	KITPLY, CENTURY, ARCHID PLY, GREENPLY
18	LAMINATE	CENTURY, GREENLAM, MERINO, ARCHID LAM
19	HIGH PRESSURE LAMINATES	MERINO, GREENLAM, CENTURY, ARCHID
20	PRELAMINATED PARTICLE BOARD	KITLAM, ARCHID PLY, CENTURY
21	NATURAL WOOD VENEER	ARCHID, ANCHOR, KITPLY, ACTION TESA
22	GYPSUM BOARD	SAINT GOBAIN, BORAL BOARD, ARMSTRONG
23	DOOR HARDWARE	DORMA, HAFELE, KICH, OZONE, GODREJ, GEZE
24	HYDRAULIC DOOR CLOSERS/ FLOOR SPRINGS	DORMA, KICH, GODREJ, HAFELE, OZONE
25	LOCKS/ LATCHES	GODREJ, DORMA, HAFELE, GEZE, YALE
26	FIRE CHECK DOOR	SHAKTI HOEMANN, ASAHI(AB) NAVAIR, KENWOOD, VEROTECH
27	WOOD POLYMER COMPOSITE (WPC) BOARD / DOOR SHUTTER / DOOR FRAME	FLORESTA, RAJESWARI PRODUCTS PVT LTD, ALSTONE INDUSTRIES PVT LTD., CENTURY PLY
28	FIRE RATED HARDWARE	DORMA, GEZE, SHAKTI HOEMANN, ASAHI(AIS)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

29	STAINLESS STEEL SCREWS FOR FABRICATION AND FIXING OF WINDOWS	KUNDAN, PUJA, ATUL, GRIPWELL, NAKODA
30	BUTT/ BALL BEARING HINGES	HAFFLE, DORMA, GODREJ, GEZE
31	NUTS BOLTS/ SCREWS	KUNDAN, PUJA, ATUL, IT, BOLT MASTER, GRIPWELL, NAKODA
32	ACOUSTIC INSULATION	LLOYD INSULATION, SAINT GOBAIN, ARMSTRONG
33	GLASS/ REFLECTIVE GLASS	MODI FLOAT, SAINT GOBAIN, ASAHI
34	UPVC WINDOWS/ VENTILATION	FENESTA, NCL, VEKA
35	SOURCE FOR TEMPERING REFL. GLASS/ CLEAR	FUSO, SAINTGOBAIN, IMPACT SAFETY
36	FIRE RATED GLASS	PYOSWISS OF SAINT GOBAIN, PYRAN OF SCHOTT, ASAHI
37	ENGINEERED WOOD/ LAMINATE FLOORING	ARMSTRONG, ACTION TESA, GREENLAM
38	MIRROR GLASS	MODIGUARD, SAINT GOBAIN, ASAHI
39	STAINLESS STEEL FITTINGS	DORMA, KICH, GEZE
40	ACOUSTIC PANELS FOR WALL PANELING	ARMSTRONG, SAINT-GOBAIN, USG BORAL
41	STRUCTURAL STEEL	IS MARKED OF TATA, SAIL, JSPL, JSW, RINL
42	MS PIPES	TATA, JINDAL, APOLLO, SAIL
43	METAL DECK SHEET	TATA, JINDAL, JSW, ARCELOR MITTAL
44	SHEAR STUD/ CONNECTOR	KOCO, STUD CRAFT, L&J TECHNOLOGIES, ARS INFRA SOLUTIONS
45	CLAMP. REBAR, CHEMICAL FASTENER	HILTI, FISCHER, WUERTH

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

46	ANCHOR FASTENERS/ BOLTS	HILTI, FISHER, BOSCH, WUERTH
47	DASH FASTENERS	HILTI, FISHER, BOSCH, WUERTH
48	STAINLESS STEEL BOLTS, WASHERS AND NUTS	ATUL/ HILTI/ GRIPWELL/ NAKODA, WURTH
49	STAINLESS STEEL (SS 304)	JINDAL, SAIL, TATA
50	VITRIFIED TILES	KAJARIA, JOHNSON, RAK CERAMICS, SOMANY
51	GLAZED CERAMIC TILES	JOHNSON, SOMANY, KAJARIA, RAK
52	CEMENT CONCRETE PARKING TILES	NITCO, NTC, PAVIT
53	INTERLOCKING CONCRETE BLOCKS	NITCO - (ROCKARD), NTC, PAVIT
54	CLAY TILES ON ROOF	KENJAI, JOHNSON, COMMON WEALTH TRUST (IND) LTD
55	TILE ADHESIVE	ARDEX ENDURA, CICO, PIDILITE, FOSROC, SIKA, ASIAN PAINTS
56	CHEQUERED TERRAZO TILES	NITCO, BHARAT, PODDAR, JOHNSON, SOMANY, KAJARIA
57	GLASS MOSAIC TILES	ITALIA, PALLADIO, BISAZZA, CORAL
58	FALSE CEILING CALCIUM SILICATE	AEROLITE, USGKNAUF, HILUX
59	FALSE CEILING MINERAL FIBRE	SAINT GOBAIN, ARMSTRONG, USGKNAUF
60	FALSE CEILING MEMBERS (PER IMETER, CEILING SECTION, TERMEDIATES, ANGLES ETC.)	ARMSTRONG, GYPROC, (SAINT GOBAIN), USGKNAUF, AEROLITE
61	SANDWICH PU PANELLED ROOFING SHEETS	LLOYD INSULATION (INDIA) LTD., JINDAL, TATA

62	GALVALUME SHEET	LLOYD (INDIA) LTD., JSW, TATA BLUESCOPE
63	MELAMINE POLISH	ASIAN PAINTS, MALAMYNE GOLD WUDFIN OF PIDILITE INDUSTRIES TIMBERTONE OF ICI DULUX
64	PAINT/ PRIMER/ OIL BOUND DISTEMPER ACRYLIC PAINT	ASIANPAINTS, ICI DULUX, NEROLAC, BERGER, BIRLA OPUS
65	WATERPROOF CEMENT PAINT	SNOW CEMINDIALTD, ASIAN PAINTS, ICI DULUX, BIRLA, JK
66	SYNTHETIC ENAMEL PAINT	BERGER, NEROLAC, ASIAN, ICI DULUX
67	ACRYLIC TEXTURED PLASTER	ASIAN PAINTS, ICIDULUX, NEROLAC, BERGER, BIRLA OPUS
68	FIRE RETARDANT PAINT	HILTI, AKZONOBEL, NIPPON
69	ANTI CORROSIVE BITUMASTIC PAINT	ASIAN/ BERGER/ SHALIMAR
70	EPOXY PAINT	BERGER PAINTS, ASIAN PAINTS, MRF, ARDEX ENDURA, FOSROC
71	EPOXY COATING	ARDEX ENDURA, BASF, FORSOC, LATICRETE, MRF, ASIAN PAINTS
72	ACRYLIC EXTERIOR PAINT	ASIANPAINTS, ICI DULUX, BERGER, NEROLAC, NIPPON PAINTS
73	BITUMEN	INDIAN OIL, HINDUSTAN PETROLEUM, MANGALORE REFINERIES, BHARAT PETROLIUM, BIRLA OPUS
74	VITREOUS WC / WASH BASIN	JAQUAR, KOHLER, GROME, ROCA
75	GULLY TRAPS	PARRY
76	STAINLESS STEEL SINKS	NEELKANTH, NIRALI, DIAMOND, HINDWARE, CARYSIL
78	C. P. BRASS FITTINGS	JAQUAR, KOHLER, GROHE, ROCA
78	GI PIPES	TATA, JINDAL (HISSAR), ZRNITH, SURYA
79	GI PIPE FITTINGS	ZOLOTO, UNIK, HB, ICS

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

80	RCC PIPES	INDIAN HUME PIPE, MOHAN HUME PIPE, BANGALORE CEMENT PIPES
81	SPUN CAST IRON COVERS & GRATINGS	NECO, SKF, BENGAL IRON CORPORATION
82	SPUN CAST IRON PIPES & FITTINGS	NECO, SKF, BENGAL IRON CORPORATION
83	SOIL, WASTE & VENTPIPES & FITTINGS (A) HUBLESS CENTRIFUGAL CAST IRON	BIC, NECO, KAPILANSH, HEPCO, SKF, RPMF
84	SWR PVC PIPES AND FITTINGS	SUPREME, FINOLEX, PRINCE, ASTRAL
85	C.I. MAN HOLE COVER	NECO, BIC, HEPCO
86	SFRC COVER AND GRATING	TULSHI CONCRETE, KK, ADVENT, NEW TECH
87	PLASTIC ENCAPSULATED FOOT REST	KK INDIA, KGM, ACCURATE BUILDCON
88	CPVC PIPE AND FITTINGS	SUPREME, ASHRIVAD, FINOLEX, PRINCE, FLOWGARD, ASTRAL
89	UPVC PIPES	SUPREME, PRINCE, FINOLEX
90	WATER SUPPLY VALVES	ZOLOTO, LEADER, ARCO
91	AIR RELEASE VALVES	KIRLOSKAR, RBM, KARTAR
92	CI DOUBLE FLANGE SLUICE VALVE	KIRLOSKAR, RBM, KARTAR
93	GUN METAL VALVES	ZOLTO, LEADER, SANT, ANDCO INDIA
94	CI DOUBLE F LANGED SLUICE VALVES	KIRLOSKAR, IVS, BURN, ZOLOTO, LEADER
95	CI DOUBLE FLANGED NON-RETURN VALVES	KIRLOSKAR, FLUIDTEH, ZOLOTO
96	POLYSTER POWDER COATED SHADES	NEROLAC, BERGER, AKZONOBEL, ASIAN

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

97	STRUCTURAL SILICON/ WEATHER SILICON	DOW CORNING/ WACKER/ GE
98	ALUMINIUM SYSTEMS/ ANODIZED ALUMINUM FITTINGS FOR DOORS/ WINDOWS	HARDIMA, EVERITE, SIGMA (ISI MARKED) JYOTHI
99	ALUMINIUM SECTIONS	JINDAL, HINDALCO, INDALCO
100	FRICTION STAY HINGES	EBCO, HAFELE, SEVAX
101	E.P.D.M GASKETS	ANAND/ ROOP/ BOHRA/ HANU/ AMEERUBBER
102	WATERPROOFING COMPOUND	SIKA, FOSROC PIDILITE, BERGER, ASIAN PAINTS, MYK ARMENT
103	INTEGRAL CRYSTALLINE ADMIXTURE	KRYTON, PENETRON/ XYPEX, JSW, MYK ARMENT
104	INTEGRAL CRYSTALLINE SLURRY	KRYTON, PENETRON/ XYPEX, MYK ARMENT
105	FIBRE REINFORCEMENT ELASTO MERIC LIQUID WATER PROOFING MEMBRANE	KRYTON, PENETRON/ XYPEX, ASIAN PAINTS, MYK ARMENT
106	MEMBRANE WATER PROOFING SYSTEM	BASF, TEXSA, WRGRACE, PIDILITE, HYDRO TECHLTD. ARDEX ENDURA, BOSTIK, FOSROC, ASIAN PAINTS, MYK ARMENT
107	POLYMER BASED CONTENTIOUS WATER PROOF COATINGS	ARDEX ENDURA, BASF, MC-BAUCHEMIE, SIKA, FOROC, PIDILITE, BERGER, ASIAN PAINTS, MYK ARMENT, BIRLA OPUS
108	ALUMINIUM COMPOSITE PANEL (ACP)	ALUCOBOND, EUROBOND, DURABUILD, ALSTONE, VIRGO
109	NON METALIC SURFACE HARDNER	ARDEX ENDURA, FOSROC, SIKA, PIDLITE
110	EPOXY MORTAR	ARDEX ENDURA, FOSROC, SIKA, BASF, ULTRATECH, BOSTIK, PIDILITE, ASIAN PAINTS

111	SMOKE SEAL STRIP	WURTH PROMAT/ ASTRO FLAME
112	WATER STOPS	ARDEX ENDURA, HYDROTITE, BASF, HYDROSWELL, PIDILITE, BOSTIK, ASIAN PAINTS
113	PVC PERFORATED PIPES	REXPOLY EXTRUSION LTD, AKASHE NTERPRISES, ZENPLAS PIPES PVT.LTD
114	POLY SULPHIDE SEALANT	PIDILITE, CHEMETALL-RAJ, FOSROC, CHOKSEY CHEMICALS, TUFF SEAL, MYK ARMENT
115	BITUMEN IMPREGNATED BOARD	SHALI TEXOR EQUIVALENT
116	POLY ETHYLENE BACKERROD	SUPREME IND.LTD.OR EQUIVALENT
117	GRC JALI	TERRAFIRMA, ECOVISION, BIRLA WHITE GRC, EVEREST GRC
118	POLY CARBONATE SHEET	DANPALON, ALCOX, POLYGAL, V.A. CORPORATION, ALFA, GE, LEXON, TUFLITE
119	PT STRANDS	DPWIRES, TATA, USHAMARTIN
120	ADHESIVE (MANUFACTURE SPECS)	ARDEX ENDURA, DUNLOP, VAMORGANIC, SIKA, FOSROC, PIDLITE, BOSTIK, MYK ARMENT
121	GROUTS	KERAKOLL, WEBER, ARDEX ENDURA, BOSTIK, FOSROC, PIDILITE, ASIAN PAINTS, MYK ARMENT
122	SOLAR STUDS/ MEDIAN MARKERS	3M, AVERY DENNISION, NIKKALITE
123	POLY CARBONATE CONVEX MIRRORS, RUBBERISED ROAD HUMP	UNIQUE SAFETY SOLUTIONS, LAOWA
124	AIR TRANSFER GRILLS	COOLGRILLS PUNE, SYSTEM AIR INDIA

125	THERMAL INSULATION TREATMENT	PIDILITE, BASF, BERGER, ARDEX ENDURA
126	PEB FABRICATORS	LLOYD INSULLATIONS (INDIA) LTD, M/S KIRBY BUILDING SYSTEM, TATA BLUESCOPE, PEBSPENNAR
127	INTERLOCKING CONCRETE PAVER BLOCKS	DAZZLE, ULTRA, SHREE BHARAT, HINDUSTAN TILES, VYRA TILES, NITCO, BHARAT, REGENCY, BASANT BETONS

APPENDIX-B2

Proforma for Mandatory Tests to be attached with Running Bills

Name of the work: …… Name of Contractor……..
Agreement no. and date …… R/A Bill No.……

Sl. No.	Item	Quantities as per agreement	Frequency as per specification	No. of tests required	Upto date Quantity	No. of tests required	No. of tests actually done	Remarks
1	2	3	4	5	6	7	8	9

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

PART-C

AMENDMENTS TO GCC 2023 FOR MAINTENANCE WORKS

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/01

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 10.11.2023

Sub: Modification in GCC Maintenance Works 2023 Receipt and refund of EMDs online through e-gateway of SBI for e-tendering as pilot cases – reg.

The provision on earnest money deposit (EMD) through e-tendering is modified as under and shall only be applicable for C, E, I, N and Central Secretariat Divisions under ADG (Delhi) as pilot cases with immediate effect:-

Existing Provision	Modified Provision
CPWD-EPC CPWD-7/8 GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT Percentage Rate Tender/Item Rate Tender & Contract for Works TENDER I/We have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document. A copy of earnest money deposit *receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be).)*. If I/We, fail to	CPWD-EPC CPWD-7/8 GOVERNMENT OF INDIA CENTRAL PUBLIC WORKS DEPARTMENT Percentage Rate Tender/Item Rate Tender & Contract for Works TENDER I/We have deposited EMD **through online payment mode** for the prescribed amount as per the bid document. **In respect of portion of EMD prescribed in the shape of BG, the scanned copy of original Bank Guarantee including e-Bank Guarantee (as applicable) of any commercial bank having validity for a period of 90 days for single bid and 180 days for two bid systems or more from the last date of receipt of bids (strike out as the case may be), is to be uploaded.** If I/We, fail to.....

This is issued with the approval of DG CPWD.

10.11.2023

(वी. पी.साहू)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9134857

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)।

10/11/2023

R.K. JAIN

(EE (Contact)

Addition : NIL Correction : NIL

Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

	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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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

21/8/2023
R.K. JAIN 14/8/2023
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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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R.K. JAIN
(EE (Contact)

Addition : NIL Correction : NIL
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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.**

08/11/2023
R.K. JAIN
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

	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**

R.K. JAIN
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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

R.K. JAIN
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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)।

11.12.2023

R.K. JAIN

(EE (Contact)

Addition : NIL Correction : NIL

Overwriting : NIL Deletion : NIL AE/P EE-II

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.**

R.K. JAIN 18/12/2023
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

(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.**

R.K. JAIN
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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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Addition : NIL Correction : NIL
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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).**

R.K. JAIN
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

R.K. JAIN 4.2.23
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG CPWD.

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

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

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

R.K. JAIN
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/04

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 08.02.2024

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

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

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

Addition : NIL Correction : NIL

Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD 01.03.2024

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

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

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

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

R.K. JAIN
(EE (Contact)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG CPWD. 01.03.2024

(V.P. Sahu)

Superintending Engineer (C&M)

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

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

29/02/2024

R.K. JAIN

(EE (Contact)

Addition : NIL Correction : NIL

Overwriting : NIL Deletion : NIL AE/P EE-II

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

NIRMAN BHAWAN, NEW DELHI Dated: 01.03.2024

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

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

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

This issues with the approval of DG CPWD.

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

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file no. 9135972
To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/07
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI Dated: 05.03.2024

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

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

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

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

17/07/2024
R.K. JAIN
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/09
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD
NIRMAN BHAWAN, NEW DELHI **Dated:** 03-06-2024

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

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

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

This issues with the approval of DG CPWD.

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

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

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

R.K. JAIN 10/5/2024
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/10

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI **Dated: 09.10.2024**

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

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

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

09.10.24
R K SINGH
EE(Manual)

1/2

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Appendix-XX

REGISTER OF MATERIAL AT SITE (MAS)

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

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

This issues with the approval of DG, CPWD.

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

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

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

09.10.24
R K SINGH
EE(Manual)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Mainteance-2023/11

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi Dated: 29.10.2024

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

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

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

29.10.24
R K SINGH
EE(Manual)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

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

This is issued with the approval of DG CPWD.

29/10/24

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

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

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

29.10.24
R K SINGH
EE(Manual)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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.	**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 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.	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.
If the revised ..... their tenders. In case of any ..... be forfeited. In case all ..... lowest contractors. Contractor ..... of the work.	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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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.

(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)

R K SINGH
EE(Manual)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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(Mandal)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG, CPWD.

(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)

R K SINGH
EE(Manual)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

(सुरेन्द्र [illegible]) (सी. एण्ड एम.)
Surender 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)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/18
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

VIDYUT BHAWAN, NEW DELHI Dated: 27.02.2026

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

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

Existing provision	Modified provision
General Rules & Directions 11 (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in Schedule 'E' and within the period specified in Schedule F.	**General Rules & Directions** 11 (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee as mentioned in Schedule 'E' and within the period specified in Schedule F. .....
Clause 1 **Performance Guarantee** (i) The contractor shall submit an irrevocable Performance Guarantee at specified percentage of the tendered amount as mentioned in Schedule 'E', in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance.	**Clause 1** **Performance Guarantee** (i) The contractor shall submit an irrevocable Performance Guarantee as mentioned in Schedule 'E', in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. .....
Sl. No. (ii) to (v)	No change
SCHEDULE 'E' Reference to General Conditions of contract Sl. No. (i)	**SCHEDULE 'E'** Reference to General Conditions of contract No change

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG, CPWD.

27.02.2026

(चन्दर पाल) (सी एच एम.)
Chander Pal, SE (C&M)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2026/ Maintenance e-file 9212995 (DFA/ 9365660)
केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)

27.02.26
EE(C)
D.P. Jindal
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/19
ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated: 25.03.2026

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

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

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

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

D.P. Jindal
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG, CPWD.

25.03.2023

(चन्दर पाल)
अधीक्षण अभियंता (सी.एंड एम.)
चन्दर पाल, अधी. अभि. (सी.एण्ड एम.)
Chander Pal, SE (C&M)

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

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

25/3/23

D.P. Jindal
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated: 18.08.2026

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

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

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

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

Ajay Kumar
18/8/2026
EE (Contract)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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

This issues with the approval of DG CPWD.

18.08.26

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

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

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

18/8/2026
EE (C-II)

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

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/21

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi Dated:22.10.2026

Subject: Modifications in Conditions of Contract, Clause 19, Clause 20, Model Rules for the Protection of Health and Sanitary Arrangements for Workers Employed by Central P.W.D. or its Contractors, C.P.W.D. Contractor's Labour Regulations and Appendix A to G of GCC 2023 Maintenance Works

The following modifications are made in the Conditions of Contract, Clause 19, Clause 20, Model Rules for the Protection of Health and Sanitary Arrangements for Workers Employed by Central P.W.D. or its Contractors, C.P.W.D. Contractor's Labour Regulations and Appendix A to G of GCC 2023 Maintenance Works with reference to New labour Codes.

Existing provision	Modified provision
CONDITIONS OF CONTRACT **Definitions** 2. In the contract, the following expression shall, unless the context otherwise requires, hereby respectively assigned to them:- Sl. No. (i) to (xx) (xxi) Hazardous works: Hazardous process/works are the works as defined in the clause (cb) of the Factory Act, 1948.	**CONDITIONS OF CONTRACT** **Definitions** **No change** **No change** (xxi) Hazardous works: Hazardous process/works are the works as defined in **- The First Schedule [Section 2(za)] of The Occupational Safety, Health, and Working Conditions Code ,2020.**
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 license under the said Act before the commencement of the work, and continue to have a valid license until its completion.	**Clause 19 Labour Laws to be complied by the Contractor** The contractor shall comply with the provisions of: **1. The Code on Wages, 2019** **2. The Occupational Safety, Health and Working Conditions Code, 2020** **3. The Industrial Relations Code, 2020** **4. The Code on Social Security, 2020.**

अजय कुमार
कार्य. अभि. (संविदा)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

	The Contractor shall also comply with all amendments, notifications, rules, regulations, and statutory modifications issued in relation to the above enactments from time to time.
	The Contractor shall, before commencement of the work and thereafter throughout the execution of the contract, obtain and maintain valid registration through the Shram Suvidha Portal in accordance with Chapter II (Registration) of the Occupational Safety, Health and Working Conditions Code, 2020, for each establishment employing ten (10) or more workers. The Contractor shall submit copies of such registration and subsequent renewals/updates, wherever applicable, to the Engineer-in-Charge as and when demanded. Any consequences arising out of non-compliance with the statutory provisions shall be solely borne by the Contractor.
	The Contractor may obtain a Single Licence, including an All India Single Licence, wherever eligible under the Code. In cases where the contract work involves the engagement of fifty (50) or more contract workers, the Contractor shall obtain the requisite work-specific (work-based) Labour Licence prior to deployment of such workers at the site.
The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979.	The contractor shall also comply with provisions/rules of the Inter-State Migrant Workmen **according to chapter XI of the Occupational Safety, Health and Working Conditions Code, 2020.**
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**

अजय कुमार
कार्य. अभि. (सविदा)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

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.	The contractor shall also comply with the provisions/**rules relating to the building and other Construction Workers covered under the Occupational Safety, Health and Working Conditions Code, 2020.**
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 the relevant act and in this contract.	**No Change** **No Change**
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. 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.	**Clause 19 B Payment of Wage** **(i)** The contractor shall pay to labour employed by him either directly or through subcontractors, wages not less than **minimum wages as per the provisions of the code on wages, 2019 amended time to time.** 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.
(ii) The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged	(ii) **The time limit for payment of wages for different wage periods as per Code on Wages, 2019 are as under:**

अजय कुमार
कार्य. अभि. (संविदा)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

	by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.		**Wage Period** / **Time limit for payment of wages** **Daily** / **At the end of the shift** **Weekly** / **Before the weekly Holiday** **Fortnightly** / **Within two days of the end of the fortnight** **Monthly** / **Within seven days of next month**
(iii)	In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Central Public Works Department contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorizedly made, maintenance of wage books or wage slips publication of scale of wage and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature 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.	(iii)	**The Contractor shall comply with all provisions relating to payment of wages, overtime wages and non-discrimination in employment and remuneration under the Code on Wages, 2019 and the rules made thereunder, as amended from time to time.**
(iv)	(a) The Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker	(iv)	**The adjudication of wage disputes shall be governed by the provisions of the Code on Wages, 2019. However, in the event of any grievances raised by the contract labourers relaing to health,**

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or workers by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations. (b) Under the provision of Minimum Wages (Central) Rules, 1950, the contractor is bound to allow to the labours directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, the Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in-Charge concerned. In the case of Union Territory of Delhi, however, as the all inclusive minimum daily wages fixed under Notification of the Delhi Administration No.F.12(162)MWO/DAB/ 43884-91, dated 31-12-1979 as amended from time to time are inclusive of wages for the weekly day of rest, the question of extra payment for weekly holiday would not arise.	**working conditions and wages, initially the same shall be invariably referred to the Committee constituted by the establishment, under Rule 184 of Chapter XIV of the OSHWC Code 2020 and the employing contractor shall appear before the Committee in the matter without fail.** **The Inspector-cum-Facilitator or another designated authority notified by the Central Government will decide disputes under code.**
(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.	(v) The Contractor shall comply with **all** provisions **relating to fines, deductions and recoveries from wages under the Code on Wages, 2019 and the rules made thereunder, as amended from time to time.**

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(vi) The contractor shall indemnify and keep indemnified Government against payments to be made under and for the observance of the laws aforesaid and the C.P.W.D. Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.	**Deleted**
(vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.	**Deleted**
(viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.	**Deleted**
(ix) The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.	**Deleted**
Clause 19F Leave and pay during leave shall be regulated as follows:-	**Clause 19F** **Maternity Benefit** **The Contractor shall comply with all provisions relating to maternity benefits under the Code on Social Security, 2020 and the rules made thereunder, as amended from time to time.** **A woman employee is eligible for maternity benefit if she has worked for at least 80 days in the 12 months immediately preceding the expected date of delivery.**
1. Leave : (i) in the case of delivery - maternity leave not exceeding 8 weeks, 4	1. Leave: (i) In the case of delivery - maternity leave not exceeding **10 weeks**, 4

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weeks up to and including the day of delivery and 4 weeks following that day. (ii) in the case of miscarriage - upto 3 weeks from the date of miscarriage. (iii) **No Provision**	weeks up to and including the day of delivery and **6 weeks** following that day. (ii) In the case of miscarriage **or medical termination of pregnancy- up to 6** weeks **immediately following the day of miscarriage or medical termination.** (iii) **In the case of tubectomy operation, - up to 2 weeks immediately following the day of her tubectomy operation.**
2. Pay : (i) in the case of delivery - leave pay during maternity leave will be at the rate of the women's average daily earnings, calculated on total wages earned on the days when full time work was done during a period of three months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of Rupee one only a day whichever is greater. (ii) in the case of miscarriage - leave pay at the rate of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding the date of such miscarriage.	2. Pay: (i) **Every eligible woman worker shall be entitled to maternity benefit for the period of her maternity leave. The maternity benefit shall be paid at the rate of her average daily wages, calculated on the wages earned during the three calendar months immediately preceding the commencement of her maternity leave, subject to the minimum wage prescribed under applicable laws.** (ii) In the case of miscarriage **or medical termination** - leave pay at the rate of **maternity benefits as mentioned in para (i).**
3. Conditions for the grant of Maternity Leave: No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period of not less than six months immediately preceding the date on which she proceeds on leave.	3. **Medical Bonus: If the employer does not provide free pre-natal and post-natal care, the woman is entitled to a medical bonus of ₹3,500 or such amount as may be notified by the central government**
No Provision	4. **Nursing Breaks; after resuming duty after childbirth, a woman is entitled to two breaks during the day for nursing the child until the child attains the age of 15 months.**

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No Provision	5. **Protection Against Dismissal; No employer shall dismiss or discharge a woman during her pregnancy or during the period of maternity benefit.**
4. The contractor shall maintain a register of Maternity (Benefit) in the Prescribed Form as shown in appendix -I and II, and the same shall be kept at the place of work.	6. **No Change**
Clause 19G In the event of the contractor(s) ..... such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.200/- per day for each day of default subject to a maximum of 5 percent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties. Should it appear to the ..... cost of the contractor(s).	**Clause 19G** In the event of the contractor(s) ..... such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs. **25000/-** per day for each day of default subject to a maximum of 5 percent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties. **No Change**
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.	**Clause 20** **Code of Wages to be complied for Minimum wages, Bonus & Gratuity**: - The contractor shall comply with the provision of minimum wages **of code on wages, 2019 amended from time to time.** I. **The contractor shall comply with all provision relating to Bonus including eligibility calculation, disqualification, payment and disbursement thereof, shall maintain all registers, records and returns in accordance with the Code of wages 2019 and amended time to time.** II. **Contractor shall pay gratuity and all other social security benefits payable to workers engaged by him in accordance with Code on Social Security 2020 and rules made there under and amended from time to time.**

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Model Rules for the Protection of Health and Sanitary Arrangements for Workers Employed by Central P.W.D. or its Contractors	Model Rules for the Protection of Health and Sanitary Arrangements for Workers Employed by Central P.W.D. or its Contractors
1. **APPLICATION** These rules shall apply to all buildings and construction works in charge of Central Public Works Department/ PWD (DA) in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.	1. **APPLICATION** These rules shall apply to all buildings and construction works in charge of Central Public Works Department/ PWD (DA) in which **ten** or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.
2. **DEFINITION** Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.	2. **DEFINITION** Work place means a place where **ten** or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.
3. **FIRST-AID FACILITIES** (i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.	3. **FIRST-AID AND MEDICAL APPLIANCES** (i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, **atleast one** first-aid box **or cup-board for 200 contract labour or part thereof ordinarily employed. Where the number of contract laborers exceeds 200, additional first-aid boxes or cupboards shall be provided proportionately.**
(ii) The first-aid box shall be distinctly marked with a red cross on white back ground and shall contain the following equipment:- (a) For work places in which the number of contract labour employed does not exceed 50- Each first-aid box shall contain the following equipments:- 1. 6 small sterilised dressings. 2. 3 medium size sterilised dressings.	(ii) **Every** first-aid box **or cupboard** shall be distinctly marked with a red cross on white back ground and shall contain the following equipments:- **1. Appropriate number of small, medium and large sized sterilized dressings pads.** **2. Appropriate number of large size sterilized burn dressings pads.** **3. Appropriate number of packets**

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3. 3 large size sterilised dressings. 4. 3 large sterilised burn dressings. 5. 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine. 6. 1 (30 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label. 7. 1 snakebite lancet. 8. 1 (30 gms.) bottle of potassium permanganate crystals. 9. 1 pair scissors. 10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India. 11. 1 bottle containing 100 tablets (each of 5 gms.) of aspirin. 12. Ointment for burns. 13. A bottle of suitable surgical antiseptic solution. (b) For work places in which the number of contract labour exceed 50. Each first-aid box shall contain the following equipments. 1. 12 small sterilised dressings. 2. 6 medium size sterilised dressings. 3. 6 large size sterilised dressings. 4. 6 large size sterilised burn dressings. 5. 6 (15 gms.) packets sterilized cotton wool. 6. 1 (60 ml.) bottle containing a two per cent alcoholic solution iodine. 7. 1 (60 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label. 8. 1 roll of adhesive plaster. 9. 1 snake bite lancet. 10. 1 (30 gms.) bottle of potassium permanganate crystals.	**of sterilized cotton.** **4. Sufficient quantity of Cetrimide solution (1%-3%) or a suitable antiseptic solution (10% Povidone Iodine).** **5. Pair of scissors, Tweezers, Tourniquet and disposable gloves.** **6. Adequate adhesive Tapes and adhesive Bandage Tape of different sizes.** **7. Adequate Elastic crepe bandages of different sizes.** **8. Sterilized eye pads.** **9. Strips containing analgesic (Paracetamol-650 mg) and Antacid and adequate number of ORS Sachets.** **10. Pain relief / analgesic spray.** **11. Polythene wash bottles (Normal Saline or Distilled Water).** **12. Adequate Roller bandages of different sizes.** **13. Adequate and suitable splints.** **14. Resuscitation equipment such as ambu bag.** **15. Tablets such as Asprin, Isosorbide Di-nitrate.** **16. Anti-allergic medicine, eye drops.** **17. One copy of First-aid leaflet which includes emergency contact numbers of nearby hospital.**

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11. 1 pair scissors. 12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes /Government of India. 13. A bottle containing 100 tablets (each of 5 gms.) of aspirin. 14. Ointment for burns. 15. A bottle of suitable surgical antiseptic solution.	
(iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.	(iii) **No change**
(iv) Nothing except the prescribed contents shall be kept in the First-aid box.	(iv) Nothing except the prescribed contents shall be kept in the First-aid box **or Cupboard.**
(v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.	(v) The first-aid box **or Cupboard** shall be kept in charge of a **worker or supervisor who holds a certificate in first-aid treatment and** who **is** always be readily available during the working hours.
(vi) A person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.	**Deleted**
(vii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.	(vi) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. **Dispensary or ambulance room shall be established and maintained in good order at convenient location in or nearby premises and have adequate space to ensure privacy and facilitate the examination of patients. It shall be provided with suitable lighting, ventilation, and an adequate supply of potable water.**
No Provision	(vii) **Dispensary or ambulance room should run round the clock or during working hours as the case may be. Dispensary or ambulance room should be under the charge of**

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	a full time qualified medical practitioner appointed directly by the contractor and is assisted by adequate number of paramedical staffs (at least one nurse and one General Duty Assistant-Healthcare or Nursing Assistant).
No Provision	(viii) The Dispensary or ambulance room shall contains at least the equipment as mentioned below 1. Glazed sink with hot and cold-water supply 2. Table with Chairs, Refrigerator 3. Suitable solution or Equipment for medical instruments sterilization 4. Patient Examination table or couch with pillow, Washable Rubber Sheets, Blankets, Towels 5. Appropriate number of Medium size sponge forceps 6. Kidney tray 7. Antiseptic soaps 8. Clinical thermometers 9. Hand torch 10. Adequate number of tetanus toxoid injection 11. Tablets – Antihistaminic, Antispasmodic, Antipyretic (Paracetamol), Antacid, Antiemetics 12. Tablets-Isosorbide Dinitrate (5 mg), Aspirin (75mg) + Atorvastatin (20mg) + Clopidogrel (75mg) 13. ORS Sachets 14. Injection: Atropine, Adrenalin, Hydrocortisone, Furosemide, local anaesthetics 15. Disposable Syringes with needles of different sizes and needle holder 16. Suturing needles and materials 17. Pair of dissecting forceps 18. Pair of dressing forceps 19. Pair of artery forceps

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	20. Surgical scissors 21. Scalpel 22. Stethoscope 23. Rubber bandage – pressure bandage 24. Oxygen cylinder/Oxygen Concentrator with necessary attachments 25. One Blood Pressure apparatus 26. Appropriate number of Normal Saline Bottle, Ringer Lactate Solution, 5% Dextrose Solution, 25% Dextrose Solution. 27. Green (18G), Pink (20G) and Blue (22G) Intravenous (IV) Cannula and suitable fixator 28. Disposable Intra venous Infusion Set 29. Intravenous Infusion Stand 30. Blood Glucose Monitoring Kit 31. Biomedical Waste Management Bins as per statutory requirement 32. Adequate number of Plain wooden splints of appropriate sizes or any other suitable splints 33. Wheelchair 34. Scoop stretcher 35. Adequate small, medium and large sterilized dressings 36. Adequate sterilized burn dressings 37. Adequate packets of sterilized cotton 38. Antiseptic solution like Cetrimide (1%-3%) or Povidone Iodine (10%) solution 39. Roll of adhesive bandages and adhesive Tapes of different sizes. 40. Elastic crepe bandages of different sizes. 41. Adequate Pieces of sterilized eye pad. 42. Adequate roller bandages of different sizes. 43. Tourniquet

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	44. Disposable gloves **45. Tweezers** **46. Pulse Oximeter.** **47. Suitable Suction unit with equipment** **48. Resuscitation equipment such as Automated External Defibrillator and ambu bag.** **49. Any other equipment recommended by the qualified medical practitioner according to the specific need.**
No Provision	(ix) **A Notice containing details of first-aid facilities, along with the name, contact detail of the person in-charge and the nearest hospitals, shall be displayed at a conspicuous place in English or Hindi and in local language.**
(viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.	(x) **No change**
Sl. No. 4 & 5	**No change**
6. **LATRINES AND URINALS** (i) Latrines shall be provided in every work place on the following scale namely :- (a) Where female are employed, there shall be at least one latrine for every 25 females. (b) Where males are employed, there shall be at least one latrine for every 25 males. Provided that, where the number of males or females exceeds 100, it shall be sufficient if there is one latrine for 25 males or females as the case may be upto the first 100, and one for every 50 thereafter.	6. **LATRINES AND URINALS** (i) Latrines shall be provided in every work place on the following scale namely:- (a) Where female are employed, there shall be at least one latrine for every **15** females. (b) **No Change** Provided that, where the number of males **workers exceeds 25 and** female **workers** exceeds **15 additional Latrines shall be provided proportionately.**
Sl. No. (ii) to (iv)	**No Change**

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(v) There shall be at least one urinal for male workers upto 50 and one for female workers upto fifty employed at a time, provided that where the number of male or female workmen, as the case may be exceeds 500, it shall be sufficient if there is one urinal for every 50 males or females upto the first 500 and one for every 100 or part thereafter.	(v) **At every workplace, adequate urinal facilities shall be provided for male workers at the rate of not less than one (1) urinal for every 15 male workers or part thereof ordinarily employed. Additional urinals shall be provided proportionately whenever the number of male workers exceeds fifteen (15).**
Sl. No. (vi) to (ix)	**No Change**
No Provision	**(x) Contractor shall provide adequate Mobile Toilets wherever required.**
7. **PROVISION OF SHELTER DURING REST** At every place there shall be provided, free of cost, four suitable sheds, two for meals and the other two for rest separately for the use of men and women labour. The height of each shelter shall not be less than 3 metres (10 ft.) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sq.m. (6 sft) per head. Provided that the Engineer-in-Charge ..... for the purpose.	7. **PROVISION OF SHELTER DURING REST** At every place there shall be provided, free of cost suitable sheds for the use of men and women labour **for rest, at least one for male works and at least one for female works separately. The roof of such sheds should be at suitable height from the floor level and there is sufficient floor area for workers.** **No Change**
8. **CRECHES** (i) At every work place, at which 20 or more women worker are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19H (ii) a, b & c.	8. **CRECHES** (i) At every work place, at which **50** or more worker are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19H (ii) a, b & c.
Sl. No. (ii) to (iii)	**No Change**

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(iv) The contractor shall provide one ayaa to look after the children in the creche when the number of women workers does not exceed 50 and two when the number of women workers exceed 50.	(iv) The contractor shall provide one ayaa to look after the children in the creche when the number of workers does not exceed 50 and two when the number of exceed 50. **Police verification of the in charge of crèche, support staff and guards is mandatory.**
Sl. No. (v)	**No Change**
No Provision	(vi) **Contractor must allow the woman worker four visits per day to the crèche, including her lunch interval.**
9. **CANTEENS** (i) In every work place where the work regarding the employment of contract labour is likely to continue for six months and where in contract labour numbering one hundred or more are ordinarily employed, an adequate canteen shall be provided by the contractor for the use of such contract labour.	9. **CANTEENS** (i) **No Change.**
(ii) The canteen shall be maintained by the contractor in an efficient manner.	(ii) **The contractor shall provide and maintain the canteen as per norms prescribed for the purpose.**
(iii) The canteen shall consist of at least a dining hall, kitchen, storeroom, pantry and washing places separately for workers and utensils.	(iii) **The canteen shall be provided in or adjacent to the precincts of the establishments, and maintained to provide nutritious, wholesome and healthy food for workers.**
Sl. No. (iv) to (viii)	**No Change**
(ix) The dining hall shall accommodate at a time 30 percent of the contract labour working at a time.	(ix) The dining hall shall **be designed, maintained and equipped to** accommodate **a sufficient number of employees ordinarily using the facility at any one time, without overcoming and in a manner conducive to their health, safety and confort** at a time 30 percent of the contract labour working at a time.
(x) The floor area of the dining hall, excluding the area occupied by the service counter and any furniture except tables and chairs shall not be less than one square metre (10 sft) per diner tobe accommodated as prescribed in sub-Rule 9.	(x) The floor area of the dining hall, excluding the area occupied by the service counter and any furniture except tables and chairs shall be **sufficient and should be separated from any place where a hazardous substance may contaminate food, dishes or utensils.**

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(xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers in proportion to their number. (b) Washing places for women shall be separate and screened to secure privacy.	(xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers **and person with disabilities employees.** (b) Washing places for **male, female, transgender and person with disabilities employees are** separate and screened to secure
(xii) Sufficient tables, stools, chair or benches shall be available for the number of diners to be accommodated as prescribed in sub-Rule 9.	(xii) Sufficient tables stools, chair or benches shall be available for the number of diners to be accommodated.
Sl. No. (xiii) (a)	**No Change**
(xiii) (b) 1. Suitable clean clothes for the employees serving in the canteen shall be provided and maintained. Sl. No. (b) 2 & 3	(xiii) (b) 1. Suitable clean clothes for the employees, serving in the canteen shall be provided and maintain. **Each food handler is trained and instructed in food handling practices that prevent the contamination of food ; and** **No person who is suffering from a communicable disease is allowed to work as a food handler.** **No Change**
(xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contract labour.	(xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contract labour **and should be nutritious, wholesome and healthy food.**
(xv) The charges for foodstuffs, beverages and any other items served in the canteen shall be based on 'No profit, No loss' and shall be conspicuously displayed in the canteen.	(xv) The charges for foodstuffs, beverages and any other items served in the canteen shall be based on 'No profit, No loss' **wherein the rates are fixed by canteen management committee as per norms** and shall be conspicuously displayed in the canteen.
Sl. No. (xvi) and (xvii)	**No Change**
Sl. No. 10	**No Change**

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No Provision	11. Lighting (Illumination) - New The Contractor shall ensure that: (i) All workplaces, access routes, and welfare/utilities areas are provided with adequate natural and/or artificial lighting during working hours and emergencies, suitable for the nature of work. Natural lighting shall be utilized wherever feasible. (ii) Artificial lighting shall be provided wherever daylight is inadequate or unavailable to maintain safe working conditions. (iii) Workplaces where failure of artificial lighting may create a safety risk shall be equipped with automatic emergency lighting of adequate intensity, powered by an independent energy source and maintained in serviceable condition at all times.
No Provision	12. Cleanliness and Hygiene The Contractor shall ensure that: (i) The worksite, premises, and surrounding areas are kept clean, hygienic, and sanitized at all times. (ii) Adequate space is provided for safe storage of materials and equipment. (iii) Scrap, waste, and debris are removed regularly from the site. (iv) Unused loose materials shall not be allowed to accumulate or obstruct access, egress, workplaces, or passageways. (v) Slippery floors, workplaces, and passageways shall be promptly cleaned and made safe using sand, sawdust, or other suitable materials.

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	(vi) Effective drainage shall be provided in wet work areas to maintain dry, non-slippery conditions, and necessary PPE shall be supplied free of cost to workers. (vii) Suitable arrangements shall be made for daily collection, storage, treatment, and disposal of all waste under proper supervision.
No Provision	13. Ventilation, temperature and humidity (i) Adequate ventilation shall be provided and maintained at all workplaces to remove smoke, fumes, steam, dust, and harmful gases, ensure sufficient oxygen supply, and control temperature and humidity within safe limits. (ii) Where work generates excessive heat, suitable protective measures such as process isolation, insulation of hot surfaces, or other effective controls shall be provided to safeguard workers.
No Provision	14. Precautions Against Dust, Noxious Gases, Fumes and Other Impurities – (i) The Contractor shall take all practicable measures to minimize emission of dust, gases, fumes, and vapours, and ensure worker exposure remains within permissible safe limits. (ii) No worker shall be permitted to enter any workplace or confined space until levels of dust, fumes, vapours, or harmful gases have been reduced to within permissible limits and the area is certified safe for entry. (iii) Workers shall be provided with mask free of cost and allowed to wearing mask

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No Provision	**15. Annual Health examination of workers** **Contractor shall arrange to conduct free of cost medical examination for workers who has completed 40 years of age by qualified medical practitioner/ESIC and a certificate shall be provided to the worker in FORM-VIII of OSH Central Rules.**
No Provision	**16. Bathing Places** **Where workers are engaged in dusty, dirty, hazardous, sewerage or similar operations, suitable, separate and sufficient bathing places and locker facility, as may be necessary owing to the nature of work, at easily accessible places with regular and adequate supply of water including soap and towels for bathing shall be provided at easily accessible locations. These facilities shall be properly demarcated, with gender specific signage.**
11. The above rules shall be incorporated in the contracts and in notices inviting tenders and shall form an integral part of the contracts.	**Deleted**
12. AMENDMENTS Government may, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.	**17. AMENDMENTS** **The Government may, from time to time, amend, alter, add to, modify or relax any provision of these Rules and issue such instructions, orders or directions as may be considered necessary for carrying out the purposes of these Rules and for removing any difficulties arising in their implementation.**

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C.P.W.D. Contractor's Labour Regulations	C.P.W.D. Contractor's Labour Regulations
Sl. No. 1	**No Change**
2. DEFINITIONS	**2. DEFINITIONS**
Sl. No. (i)(a)	**No Change**
(b) Who, being employed in a supervisory capacity *draws wages exceeding five hundred rupees per mensem* or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature: or	(b) Who, being employed in a supervisory capacity or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature: or
(c) Who is an out worker, ... and management of the principal employer.	(c) **No Change .**
No person below ..... non-hazardous works/process.	**No Change**
(ii) Fair Wages means wages whether for time or piecework fixed and notified under the provisions of the Minimum Wages Act from time to time.	**Deleted**
(iii) Contractors shall include every person who undertakes to produce a given result other than a mere supply of goods or articles of manufacture through contract labour or who supplies contract labour for any work and includes a subcontractor.	(ii) **No Change**
(iv) Wages shall have the same meaning as defined in the Payment of Wages Act.	(iii) Wages shall have the same meaning as defined in the **Code on Wages 2019.**
3. WORKING HOURS	**3. WORKING HOURS**
(i) Normally working hours of an adult employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.	**(i) The number of hours of work which shall constitute normal working day for an employee whose wage period is on a daily basis shall be eight hours and interval for rest.**

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(ii) When an adult worker is made to work for more than 9 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages. (iii) (a) Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of the Minimum Wages (Central) Rules 1960 as amended from time to time irrespective of whether such worker is governed by the Minimum Wages Act or not. (b) Where the minimum wages prescribed by the Government under the Minimum Wages Act are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days. (c) Where a contractor is permitted by the Engineer-in-Charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.	**(ii) The number of hours of work which shall constitute a normal working day for an employee whose wage period is other than on a daily basis shall be so fixed that the total number of weekly working hours shall not exceed forty eight hours.** **(iii) Every employee shall be granted a weekly holiday, ordinarily on Sunday.** **(iv) The employer may designate a different day as the weekly rest day for an employee or a group of employees.** **(v) If the establishment follows a 6-day working week, the rest day is Paid day.** **(vi) An employee becomes entitled to the weekly rest only after working continuously for at least 6 days under the same employer in a six-day working week.** **(vii) When an adult worker is made to work for more than 8 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages.** **(viii) The worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days.** **(ix) Where a contractor is permitted by the Engineer-in-Charge to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.**
4. DISPLAY OF NOTICE REGARDING WAGES ETC. The contractor shall before he	**4. DISPLAY OF NOTICE REGARDING WAGES ETC.** The contractor shall before he

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commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work, notices in English and in the local Indian languages spoken by the majority of the workers giving the minimum rates of wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wage are earned, wages periods, dates of payments of wages and other relevant information as per Appendix 'III'.	commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work notices in English, **Hindi,** and in the local Indian languages spoken by the majority of the workers. **The notices should include:- Name and address of the contractor/agency, working hours, wage rates and wage period, wage payment dates, details of accidents and dangerous occurrences during the last five years, name and address of the jurisdictional Inspector-cum-Facilitator, dates of payment of any unpaid wages, any other relevant information for workers.**
Sl. No. 5	**No Change**
FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES (i) The wages of a worker shall be paid to him without any deduction of any kind except the following:- (a) Fines (b) Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent. (c) Deduction for damage to or loss of goods expressly entrusted to the employed person for custody or for loss of money or any other deduction which he is required to account, where such damage or loss is directly attributable to his neglect or default. (d) Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register. (e) Any other deduction which the Central Government may from time to time allow.	**6. FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES** **(i)** (a)to(e) **No Change**

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(ii) No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the Chief Labour Commissioner.	(ii) No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the **Deputy** Chief Labour Commissioner.
Note :- An approved list of Acts and Omissions for which fines can be imposed is enclosed at Appendix-X	**Deleted**
Sl. No. (iii) to (iv)	**No Change**
(v) No fine imposed on any worker shall be recovered from him by instalment, or after the expiry of sixty days from the date on which it was imposed.	(v) No fine imposed on any worker shall be recovered from him by installments or after the expiry of **ninety** days from the day on which it was imposed.
No Provision	**(vi) No fine shall be imposed on any employee who is under the age of fifteen years.**
(vi) Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.	**(vii) No Change**
LABOUR RECORDS (i) The contractor shall maintain a Register of persons employed on work on contract in Form XIII of the CL (R&A) Central Rules 1971 (Appendix IV)	**7. LABOUR RECORDS** **(i) The Contractor shall maintain all registers, records, and statutory documents either electronically or in physical form as mentioned below.** **(a) Wage Slip (Form V) – Appendix-'F'** **(b) Attendance cum Muster Roll (Form IX)- Appendix-'A'** **(c) Register of Employees (Form-XIII) – Appendix-'B'** **(d) Register of Overtime, Wages and Deduction (Form-XV) –Appendix-'C'** **(e) Register of Dangerous Occurrences / accidents (Form-XI) – Appendix-'D'** **(f) Appointment letters – Appendix – 'E'**

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(ii) The contractor shall maintain a Muster Roll register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971 (Appendix V).	(ii) Contractor shall also maintain EPF, ESI, Cess, Gratuity, Maternity benefit, employee compensation records.
(iii) The contractor shall maintain a Wage Register in respect of all workmen employed by him on the work under contract in Form XVII of the CL (R&A) Rules 1971 (Appendix VI). (iv) Register of accident - The contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars: (a) Full particulars of the labourers who met with accident. (b) Rate of Wages. (c) Sex (d) Age (e) Nature of accident and cause of accident. (f) Time and date of accident. (g) Date and time when admitted in Hospital, (h) Date of discharge from the Hospital. (i) Period of treatment and result of treatment. (j) Percentage of loss of earning capacity and disability as assessed by Medical Officer. (k) Claim required to be paid under Workmen's Compensation Act. (l) Date of payment of compensation. (m) Amount paid with details of the person to whom the same was paid. (n) Authority by whom the compensation was assessed. (o) Remarks	(iii) The Contractor shall be solely liable for all penalties, fines, interest and other liabilities arising out of non-compliance with record-keeping and other statutory obligations. **(iv) Any failure by the Contractor to maintain or submit the statutory registers, records, or returns required under applicable law shall constitute a violation of the relevant legal requirements. The Contractor shall be solely responsible for and shall bear all penalties, fines, interest, damages, costs, and other liabilities arising from such non-compliance.** **A notice showing wage period, date and time of disbursement of wages of contract labour shall be displayed at the place of work and a copy sent by the contractor to the principal employer electronically.** **Reporting of accidents and dangerous occurrences** **As per Rule 7 of Chapter III of OSHWC Code 2020, the contractor is bound to report the accidents and dangerous occurrences to the Inspector-cum-Facilitator in FORM-XI as er the prescribed time line without fail.**
(v) The contractor shall maintain a Register of Fines in the Form XII of	

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the CL (R&A) Rules 1971 (Appendix-XI) (vi) The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omissions for which fines can be imposed (Appendix-X) (vii) The contractor shall maintain a Register of deductions for damage or loss in Form XX of the CL (R&A) Rules 1971 (Appendix-XII) (viii) The contractor shall maintain a Register of Advances in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIII) (ix) The contractor shall maintain a Register of Overtime in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIV)	
6. ATTENDANCE CARD-CUM-WAGE SLIP (i) The contractor shall issue an Attendance card-cum-wage slip to each workman employed by him in the specimen form at (Appendix-VII). Sl. No. (ii) to (vi)	**8. ATTENDANCE CARD-CUM-WAGE SLIP** (i) The contractor shall issue an Attendance card-cum-wage slip to each workman employed by him in the specimen form at (Appendix-**'A & F'**) **No Change**
7. EMPLOYMENT CARD The contractor shall issue an Employment Card in Form XIV of the CL (R&A) Central Rules 1971 to each worker within three days of the employment of the worker (Appendix-VIII).	**9. APPOINTMENT LETTER** **The contractor shall issue a Letter of appointment to employee within three days of the appointment of the employee as per the occupational safety, health and working conditions code, 2020 (Appendix-'E').**
8. SERVICE CERTIFICATE On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a Service certificate in Form XV of the CL (R&A) Central Rules 1971 (Appendix-IX)	**10. EXPERIENCE CERTIFICATE** On termination of employment for any reason whatsoever, the contractor shall issue to the workman whose services have been terminated, **a experience certificate as per the occupational safety, health and working conditions code , 2020 within 10 days of their separation (Appendix-'G').**

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9. PRESERVATION OF LABOUR RECORDS All records required to be maintained under Regulations Nos. 6 & 7 shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-Charge or Labour Officer or any other officers authorized by the Ministry of Urban Development in this behalf.	**11. PRESERVATION OF LABOUR RECORDS** All records required to be maintained under Regulations Nos. **7-10** shall be preserved in original for a period of **Five** years from the date of last entries made in them and shall be made available for inspection by the Engineer-in-Charge or Labour Officer or any other officers authorized by the Ministry of Urban Development in this behalf.
Sl. No. 10 to 14	**Sl. No. 12 to 16 No Change**
No Provision	**17. Electronic Records: The Contractor may maintain all registers, notices, returns and records in electronic form in accordance with applicable labour laws and shall produce the same on demand.**
No Provision	**18. Aadhaar Based Wage Payment: Wages shall preferably be paid on through bank transfer, electronic transfer, DBT or any other legally permissible digital mode.**
No Provision	**19. Safety Committee: Where 250 or more workers are engaged, the Contractor shall constitute a Safety Committee with worker representation.**
No Provision	**20. Emergency Response Plan: Site-specific Emergency Response Plan, evacuation procedures, contact numbers, mock drills and rescue arrangements.**
15. SUBMISSIONS OF RETURNS The contractor shall submit periodical returns as may be specified from time to time.	**21. SUBMISSIONS OF RETURNS** **No Change**
16. AMENDMENTS The Central Government may from time to time add to or amend the regulations and on any question as to the application/Interpretation or effect of those regulations the decision of the Superintending Engineer concerned shall be final.	**22. AMENDMENTS** The Central Government may from time to time add to or amend the regulations and on any question as to the application/Interpretation or effect of those regulations the decision of the **Chief Engineer**/Superintending Engineer concerned shall be final.

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Appendix 'A'

Form IX

(See clause (iii) of sub rule (1) of Rule 51)

Code on Wages Rules, 2025

ATTENDANCE REGISTER CUM MUSTER ROLL	
Name of the Establishment	
Name of the Employer	
Name of the Owner	
Registration Number of the Establishment	
(Labour Identification Number (LIN) shall be the Registration Number of the Establishment	
For the Month of	

Sl. No	Employee Code	Name	Designation	Shift	Place of work/Section/Department
(1)	(2)	(3)	(4)	(5)	(6)

Date and Time of attendance

(7)

Date	1		2		3		4		5		6		7		8		9		10		11	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Time Signature																						

Date	12		13		14		15		16		17		18		19		20		21	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Time Signature																				

Date	22		23		24		25		26		27		28		29		30		31	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Time Signature																				

Total number of days worked	Total number of overtime hours worked	Brief details of tour or assignment outside the work place, if any	Signature of Register keeper*
(8)	(9)	(10)	(11)

*Note: Required in case register is maintained physically.

24/10/2025

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Addition : NIL Correction : NIL
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Appendix 'B'

FORM-XIII

[Occupational Safety, Health and Working Conditions (Central), 2026, See rule 72(1)(i)]

EMPLOYEE REGISTER

(The register may also be maintained in electronically capturing, inter-alia the following details)

Name of Establishment:		
Name of the Employer/owner:		
PAN/TAN of the Employer		
Registration Number of the establishment (Labour Identification Number (LIN) shall be the Registration Number of the Establishment		
To be maintained for all employees of the establishments		
1.	Employee Code	
2.	Name	
	Middle Name	
3.	Surname	
4.	Gender	
5.	Father's/Mother's/ Spouse's Name	
6.	Date of Birth	
7.	Place of Birth	
8.	Nationality	
9.	Education level	
10.	Date of Joining	
11.	Designation	
12.	Category (unskilled, semi-skilled, skilled or highly skilled)	
13.	Type of employment (P/T/FT/T/B)**	
14.	Mobile Number	
15.	Universal Account Number (UAN)	
16.	PAN	
17.	Nominee (To be filled on the basis of Nomination form)	
18.	EPS/NPS	
19.	Details of Family	
20.	Details of Posting	
21.	Pay	
22.	Promotion	
23.	ESIC IP Insurance No.	
24.	Aadhaar number	
25.	Bank A/c No.	
26.	Bank	
27.	Branch(IFSC)	
28.	Present address	
29.	Permanent address	
30.	Service Book No.	
31.	Date of Exit	
32.	Reason for Exit	
33.	Mark of Identification	
34.	Photo	
35.	Specimen Signature/Thumb Impression	
36.	Remarks	

** (Permanent/Temporary/Fixed Term/Trainee/Badli)

Signature of Employee

Signature of Employer

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Appendix 'C'

FORM – XV

[Occupational Safety, Health and Working Conditions (Central), 2026, See Rule 72(1)(iii)]

REGISTER FOR WAGES, OVERTIME AND DEDUCTIONS

(The register may also be maintained electronically capturing, inter-alia the following details)

Name of Establishment:		
Name of the Employer/owner:		
PAN/TAN of the Employer		
Registration Number of the establishment **(Labour Identification Number (LIN) shall be the Registration Number of the Establishment**		
Wage Period from dd/mm/yyyy to dd/mm/yyyy (Monthly/Fortnightly/Weekly/Daily/Piece Rated)		
1.	Serial Number	
2.	Employee Code Number	
3.	Name of the employee	
4.	Designation	
5.	Department	
6.	Duration of Payment of wages (Monthly/Fortnightly/Weekly/Piece rated)	
7.	Wage Period from- to	
8.	Total number of days worked during the wage period	
9.	Total overtime hours worked or overtime production in case of piece workers	
	Rate of Wage	
10.	a)Basic	
11.	b)DA	
12.	c)Other allowance	
	Amount of wages earned	
13.	Basic	
14.	DA	
15.	Allownaces	
16.	Overtime	
17.	Total wages earned	
	Deductions	
18.	EPF	
19.	ESIC	
20.	Society	
21.	Income Tax	
22.	Insurance	
23.	Advances	
24.	Recovery of Fine	
25.	Recovery on amount of damages/losses	
26.	Total deductions	

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27.	Others	
28.	Net Payment	
29.	Date of Payment	
30.	Receipt by employee/Bank Transaction ID	
31.	Nature of acts and omissions for which fine imposed with date	
32.	Amount of fine imposed	
33.	Damage or loss caused to the employer by neglect or default of the employee	
34.	Signature of Employer/Employer Representative*	

***Note: Required in case register is maintained physically**

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Addition : NIL Correction : NIL
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Appendix 'D'

FORM-XI

[Occupational Safety, Health and Working Conditions (Central), 2026, See rule 7(1) and rule 7(2)]

NOTICE OF ACCIDENT OR DANGEROUS OCCURRENCE

	E.S.I.C. Employer's Code number	
	E.S.I.C. Insurance	
	Number of the injured person	
1.	Name of employer	
2.	Address of works / premises where the accident or dangerous Occurrence took place	
3.	Nature of industry and LIN of the establishment	
4.	Branch or department and Exact place where the accident or dangerous occurrence took place	
5.	Name and address of the injured person	
6.	(a) Gender	
	(b) Age (at the last birthday)	
	(c) Occupation of the injured person	
7.	Local E.S.I.C. Office to which the injured person is attached	
8.	Date, shift and hour of accident or dangerous occurrence	
9.	(a) Hour at which the injured person started work on the day of accident or dangerous occurrence	
	(b) Whether wages in full or part are payable to them for the day of the accident or dangerous occurrence	
10.	(a) Cause or nature of accident or dangerous occurrence	
	(b) If caused by machinery- (i) Give the name of machine and the part causing the accident or dangerous occurrence (ii) State whether it was movedby mechanical power at the time of accident or dangerous occurrence	
	(c) State exactly what the injured person was doing at the time of accident or dangerous occurrence	
	(d) In your opinion, was the injured person at the time of accident or dangerous occurrence - (i) acting in contravention of provisions of any law applicable to them; or (ii) acting in contravention of any orders given by or on behalf of their employer; or (iii) acting without instructions from their employer?	
	(e) In case reply to (d) (i), (ii) or (iii)is in the affirmative , state whether the act was done for the purpose of and in connection with the employer's trade or business.	
11.	In case the accident or dangerous occurrence took place while travelling in the employer's transport, state whether- (a) the injured person was travelling as a passenger to or from their place of works; (b) the injured person was travelling with the express	

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	orimplied permission of their employer; (c) the transport is being operated by or on behalf of the employer or some other person by whom it is provided in pursuance of arrangements with made the employer; and (d) the vehicle is being/not being operated in the ordinary course of public transport service	
12.	In case the accident or dangerous occurrence took place meeting while emergency, state- (a) its nature; and (b) whether the injured person at the time of accident or dangerous occurrence was employed for the purpose of their employer's trade or business in or about the premises at which the accident or dangerous occurrence took place.	
13.	Describe briefly how the accident or dangerous occurrence took place	
14.	Names and addresses of witnesses : (1) (2)	
15.	(a) Nature and extent of injury(e.g. fatal, loss of finger, fracture of leg, scald, scratch followed by sepsis, etc.) (b) Location of injury (e.g. right leg, left hand, left eye, etc.)	
16.	(a) If the accident or dangerous occurrence was not fatal, state whether the injured personwas disabled for more than 48 hours (b) date and time when the injured person returned to work:	
17.	(a) Physician, dispensary or hospital from whom or which the injured person received or is receiving treatment (b) Name of dispensary/panel doctor elected by the injured person	
18.	(a) Has the injured person died ? (b) If so, date of death I certify that to the best of my knowledge and belief the above particulars are correct in every respect.	

Signature and Name and Designation of owner/ employer /manager/agent

Date of dispatch of report :

Place:

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Appendix 'E'

(To be issued in English or Hindi and in local language)

Format for Appointment letter

[Occupational Safety, Health and Working Conditions (Central), 2026, See rules Chapter – III, Section 6]

i. Name of employee:
ii. Date of birth:
iii. Father's / Mother's name:
iv. Aadhaar number (after obtaining consent):
v. Labour Identification Number (LIN) of the establishment:
vi. Universal Account Number (UAN) and / or Insurance Number (ESIC) (if available):
vii. Designation:
viii. Type of Employment (Regular/Fixed-terms-employment/contractual):
ix. Category of skill:
x. Date of joining:
xi. Wages/Basic/Pay and Dearness Allowance:
xii. Other allowance including accommodation whichever is/are applicable:
xiii. Applicability of social security [Employees' Provident Fund Organization (EPFO) and Employees' State Insurance Corporation (ESIC) benefits:
xiv. Broad Nature of duties to be performed:
xv. Benefits available under chapter VI (Maternity Benefit) of Code on Social Security, 2020(in case of women employee:
xvi. Any other information:

Signature / Digital Signature
of Employer

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Addition : NIL Correction : NIL
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Appendix- 'F'

Form V

[Code on Wages (Central) Rules 2025, See rule 52]

Wages Slip

Date of issue:				
Name of the Establishment				
Address		Period		
1.	Name of Employee:			
2.	Father's/Mother's/Spouse's Name:			
3.	Designation:			
4.	UAN:			
5.	Bank Account Number:			
6.	Wage Period:			
7.	Rate of wages payable	a) Basic	b) D.A.	c) Other allowances
8.	Total attendance / unit of work done:			
9.	Overtime wages			
10.	Gross wages payable			
11.	Total deductions	a) PF	b) ESI	c) Other
12.	Net wages paid			
*Employer/Pay-in-charge signature				

***Note: Required in case register is maintained physically.**

अजय कुमार
कार्य. अभि. (संविदा)

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Appendix-'G'

FORM-XXIII

[Occupational Safety, Health and Working Conditions (Central), 2026, See rule 100]

EXPERIENCE CERTIFICATE OF CONTRACT LABOUR

To whomsoever it may concern
1. Name of contractor/employer*:
2. LIN/PAN No. of the contractor/employer *:
3. Email Id of the contractor /employer *:
4. Mobile No. of the contractor/employer *:
5. Nature and location of work:
6. Name of principal employer*:
7. LIN/PAN No. of the principal employer :*
8. Email Id of the principal employer : *
9. Mobile No. of the principal employer :*
10. Name of the labourer*:
11. UAN / Aadhaar No.:
12. Mobile No. :
13. Serial Number in the employee register :
14. Registration number, date and name of the Board where the building or other construction work is registered as a beneficiary:
15. Period of employment:
16. Designation:
17. Work performed:
Seal and Signature of Contractor
*Strike off whichever is not applicable.

This issues with the approval of DG, CPWD.

22-10-26

(चन्द्र पाल)
अधीक्षण अभियन्ता (सी0 एंड एम0)

Issued from file No. CSQ/CM/17(1)/2026/ Maintenance e-file no. 9220514 (DFA/9392506)

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)।

अजय कुमार
कार्य. अधि. (संविदा)
22/10/2026

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

PART-D

Schedule of Quantities

Central Public Works Department

N.I.T. No.42/2026-27/EE-II/Bengaluru

Name of Work: Rectification of existing iron bridge connected from Hostel to Academic block at NIUM, Bengaluru

SCHEDULE OF QUANTITIES

Name of the Contractor

Sl. No	Description of work	Quantity	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
1.1	All kinds of soil	7	cum	208.14	1457.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1	1:2:4 (1 cement : 2 coarse sand (zone-Ill) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	2.00	cum	9238.33	18477.00

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Sl. No	Description of work	Quantity	Unit	Rate	Amount
2.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	12.00	cum	7643.71	91725.00
3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
3.1	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	6	Sqm	987.92	5928.00
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
4.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	2300	kg	144.93	333339.00
4.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	1330	kg	202.39	269179.00

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Sl. No	Description of work	Quantity	Unit	Rate	Amount
5	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, bufing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	1010	kg	905.72	914777.00
6	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
6.1	Light shade pigment using white cement	107.00	sqm	1643.99	175907.00

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Sl. No	Description of work	Quantity	Unit	Rate	Amount
7	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
7.1	On steel work	159	sqm	283.48	45073.00
7.2	On concrete work	22	sqm	275.74	6066.00
8	Removing enamel paint, epoxy paint, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	35.00	Sqm	29.49	1032.00
9	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
9.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	6	cum	2854.40	17126.00
10	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	6.00	Cum	309.51	1857.00

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II

Sl. No	Description of work	Quantity	Unit	Rate	Amount
11	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	3.50	cum	11863.90	41524.00
12	Credit to the department for taking away of old MS sections as per the directions of Engineer-in-Charge.	591	kg	-24.92	-14728.00
				Total	**1908739.00**

ABSTRACT

Sl.No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	**Civil Work**	**1908739.00**			-
	Grand Total	**1908739.00**			-

Addition : NIL Correction : NIL
Overwriting : NIL Deletion : NIL AE/P EE-II