

## INDEX

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| <b>NIT No.</b>               | : | <b>20/EE/NAGPUR-II/2026-27</b>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Name of Work</b>          | : | <b>A/R &amp; M/O to <u>Non-Residential Building</u> at N.S. Building Campus, Civil Lines, Nagpur During 2026-27</b>                                                                                                                                                                                                                                                                                                                        |
| <b>Estimated Cost</b>        | : | <b>Rs. 21,53,923/-</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Earnest Money</b>         | : | <b>Rs. 43,078/-</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Security Deposit</b>      | : | 2.5% of the tendered value                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Performance Guarantee</b> | : | (a) 5% of the tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher)<br>(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 on Page No. 18 Para no. (10). |
| <b>Time of Execution</b>     | : | <b>12 (Twelve) Months</b>                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

|     |                                                                                                                                         |           |
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Certified that this NIT contains **1 to 148 ( One to One Hundred and Forty-Eight)** pages only excluding front and Back cover page.

This NIT is approved for **Rs. 21,53,923/-** Only.

सहायक अभियंता (यो.)  
नागपुर- ११,  
के.लो.नि.वि., नागपुर।

कार्यपालक अभियंता  
नागपुर- ११,  
के.लो.नि.वि., नागपुर।

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| Omission.....NIL   | Overwriting.....NIL |

AE (P) / EE

**CENTRAL PUBLIC WORKS DEPARTMENT**

**NOTICE INVITING e-TENDER**

The Executive Engineer, Nagpur-II, CPWD, Nagpur, on behalf of President of India, invites online percentage rate bids on single bid system from approved and eligible Contractor of CPWD in Buildings & Roads (B & R) Category (**for Class - III, IV and V contractor** whose enlisting is issued by SDG, Mumbai and ADG Bhopal are only eligible) for the following work.

**N.I.T. No.** : **20/EE/NAGPUR-II/2026-27**

**Name of Work** : **A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27**

**Estimated Cost** : **Rs. 21,53,923/-**

**Earnest Money** : **Rs. 43,078/-**

**Period of Completion** : **12 (Twelve) Months**

**Last time and date of submission of bid** : **Upto 3:00 PM on 19/08/2026**

**The tender forms and other details can be obtained from the website <https://etender.cpwd.gov.in>.**

**Note :-** Applicants are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updated thereof, if any. An incomplete application may be liable for rejection.

**Executive Engineer,  
Nagpur-II,  
CPWD, Nagpur.**

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| Omission.....NIL   | Overwriting.....NIL |
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### **CHECKLIST FOR CONTRACTOR FOR SUBMISSION OF BID**

1. The bidder should read all the instructions, terms & conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender documents very carefully, before quoting the rates. The Bidders should also read the **CPWD General Conditions of Contract 2023 for Maintenance work** (with correction slips up to last date of submission of tender) which will be part of the agreement.
2. The bidder should inspect the site/location before quoting the rates.
3. The contractor shall quote his rates keeping in mind the scope of work, time line, specifications, terms & conditions, additional conditions and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.
4. The tender, which is not duly signed by authorized signatory or is conditional shall be treated as non-responsive and shall be summarily rejected. It must be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the tender and it must be disclosed that the firm is duly registered under the Indian partnership act, 1952.
5. GST/other taxes as applicable shall be paid by the contractor himself. Amount quoted by the bidder shall be inclusive of all taxes & nothing extra shall be payable. The department shall deduct the mandatory deductions at source from the R.A. bills as applicable. However, for statutory deduction of income tax & GST, necessary TDS certificate shall be given by department. The contractor shall quote his rates considering all such deductions.
6. **Performance Guarantee :**
  - (a) **5% of the 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.**

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

The Executive Engineer, Nagpur-II, CPWD, Nagpur, on behalf of President of India, invites online percentage rate bids on single bid system from approved and eligible Contractor of CPWD in Buildings & Roads (B & R) Category **(for Class-III, IV and V contractor** whose enlisting is issued by SDG, Mumbai and ADG Bhopal are only eligible) for the following work.

| Sl. No. | NIT No.                        | Name of Work & Location                                                                                             | Estimated cost put to Tender (Rs.) | Earnest Money       | Stipulated Period of Completion of Work) (In Month) | Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document. | Date & Time opening of Bid/Tender      |
|---------|--------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 1.      | <b>20/EE/NAGPUR-II/2026-27</b> | <b>A/R &amp; M/O to <u>Non-Residential Building</u> at N.S. Building Campus, Civil Lines, Nagpur During 2026-27</b> | <b>Rs. 21,53,923/-</b>             | <b>Rs. 43,078/-</b> | <b>12 (Twelve) Months</b>                           | Up to <b>3:00 PM</b> on <b>19/08/2026</b>                                                                                                  | At <b>3:30 PM</b> on <b>19/08/2026</b> |

- 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.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from **website <https://etender.cpwd.gov.in> or [www.cpwd.gov.in](http://www.cpwd.gov.in)** free of cost.
- But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD, within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand Draft or Banker's Cheque or Fixed Deposit Receipts or/and Bank Guarantee including e-bank guarantee (for balance amount as prescribed) from any of Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any

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Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.

A part of earnest money is acceptable in the form of Bank Guarantee including e-Bank Guarantee also. In such cases 50% of earnest money or Rs. 20 lakhs whichever is less, will have to be deposited in shape prescribed above and balance can be accepted in form of Bank Guarantee issued by a Commercial Bank.

5. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step-to-step process are available on download section of <https://etender.cpwd.gov.in>.
6. The intending bidder must have valid **Class-III** digital signature certificate with encryption key (combo type) to perform any operations/transactions on the etendering portal / website and the bidder should download and install the eMsigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in **Yellow** colour and the moment rate is entered, it turns sky blue.

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

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

10. 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, nature of work to be executed, local persons involvement and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra cost 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.

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11. The Enlisted contractor shall fulfill all his obligations under Rule 12.0 i.e. “Enlisted contractor’s obligation Rules” in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. The obligations are summarized below:

- (a) He is expected to bid for and secure works of appropriate magnitude during the enlistment period.
- (b) He shall abide by the Enlistment Rules and amendments issued time to time by the competent authority.
- (c) He shall not indulge in unethical practices and maintain good conduct.
- (d) He shall execute the works awarded to him with due diligence and strictly as per the conditions of the contract and specifications.
- (e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD before 30.06.2024. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP.

The enlisted Contractors will not be allowed to participate in Tendering process without uploading the Certificate of above training.

- (f) The newly enlisted contractor or his authorized representative shall take compulsory ERP training within Forty-Five (45) days of the date of issue of enlistment order, after which they will not be allowed to participate in tendering process without uploading the training certificate.

The enlisted contractors may contact any of the CPWD Regional Training institutes or NCA Ghaziabad or the Director (O&T), ERP Unit CPWD Head quarter for training purpose. Undertaking for ERP Training Certificate shall be allowed only for those newly enlisted bidder who are enlisted within 45 days only before date of opening of tender.

Failure to do so, a recovery of Rs. 10,000/- per week shall be made from the R/A bill without giving any show cause notice in this regard.

12. The enlisted contractor 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 an officer in any capacity between the grades of the Chief Engineer and Junior Engineer (both inclusive) or Divisional Accountant. He shall also intimate the names of persons who are working or are subsequently employed by him and who are near relatives to any Officer working in the 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 tender accepting authority mentioned in Schedule F and his decision will be excepted**

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**from Clause 25.** For this purpose of this Rule, a near relative shall mean wife, husband, parents, grandparents, children, grandchildren, brothers, sisters, uncles, aunts, cousins and their corresponding in-laws.

13. GST applicable as per Government norms up to date and future circulars. Contractor should quote the rate including GST as per Govt. norms, nothing to be reimbursed against GST directly.
14. This work requires engaging more than 15 no of labourer's / workers and therefore all necessary licenses such as labour license, EPFO and ESI, BOCW welfare registration etc., shall be taken by contractor within the time limit prescribed under Clause-1 of Schedule-F.
15. The tenderer must associate with himself, agencies of the appropriate eligibility to tender for each of specialized nature of items / work listed below individually. Such works shall be got executed only through associated agencies specialized in these fields. The tenderer whose tender is accepted shall indicate the name(s) of his associated specialized agencies those fulfilling the eligibility criteria laid down below after award of work and at least 30 days before commencement of such items / work for the approval of the Engineer-in-Charge of that component, whose decision shall be final and binding. If the tenderer, himself fulfills the eligibility criteria laid down below for associated specialized agencies, then the tenderer shall not require to associate with himself the associated specialized agency.
16. **List of Documents to be scanned and uploaded within the period of bid submission:**
  - i) Scanned copy of Original Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks against EMD.
  - ii) **Enlistment Order of the Contractor in appropriate class of B & R category in CPWD. As per OM No. DG/Enlist Rules 2026/Misc/01 dated 31-12-2025.**
    - a. The enlisted contractors of class-II and above can tender within their tendering limit for works all over the country irrespective of jurisdiction of the enlisting authority. The tendering limit is uniform all over India. Enlisted contractors of class-III, IV and V can tender within their tendering limit for works in the region of enlisting authority only. Enlisted contractors of Class-III, IV and V can participate in tenders within the jurisdiction as detailed in table-9 as per their tendering limit for CPWD works, or as amended from time to time. Enlisted contractors of any class shall also have to meet the other requirements of eligibility as per NIT for Class-III, IV and V enlisted contractor whose tender within their Tendering limit for works in the region of enlisting authority only).

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b. Table 9 :-

**Table 9: Tendering jurisdiction and Enlisting authorities for Buildings & Roads category contractors of class III, IV and V and Horticulture category contractors of class III and IV:**

| Sl. No. | Region | Enlisting authority                                                              | Tendering Jurisdiction                                                                                                        |
|---------|--------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 1.      | NR     | SDG(Chandigarh), ADG(Chandigarh), ADG(Lucknow), ADG(Jammu), ADG(DR) and ADG(PRD) | Punjab, Chandigarh, Rajasthan, Haryana, Uttarakhand, Himachal Pradesh, Uttar Pradesh, Jammu & Kashmir, Leh & Ladakh and Delhi |
| 2.      | SR     | SDG(Chennai), ADG(Kochi), ADG(Bengaluru) and ADG(Hyderabad)                      | Tamil Nadu, Andaman & Nicobar, Puducherry, Kerala, Karnataka, Lakshadweep, Andhra Pradesh, and Telangana                      |
| 3.      | ER     | SDG(Kolkata), ADG(Patna) and ADG(Guwahati)                                       | West Bengal, Sikkim, Odisha, Bihar, Jharkhand, Assam, Arunachal Pradesh, Tripura, Nagaland, Meghalaya, Mizoram and Manipur.   |
| 4.      | WR     | SDG(Mumbai) and ADG(Bhopal)                                                      | Maharashtra, Goa, Daman and Diu, Gujarat, Madhya Pradesh and Chhattisgarh                                                     |

iii) Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (**including NIT issuing EE**). 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, up loaded by tenderer inviting EE in the NIT (**Annexure-I**)

iv) GST Registration Certificate of the Maharashtra State in which the work is to be taken up, 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. (**Annexure-II**)

“If work is awarded to me, I/we shall obtain GST registration Certificate of the Maharashtra State, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard.

v) Undertaking on structural stability and soundness as per prescribed format form (**Annexure-III**).

vi) ERP Training Certificate

OR

**Undertaking from the newly enlisted Contractor, enlisted within Forty-Five (45) days from the date of Opening of tender.**

“I/we shall obtain ERP Training Certificate, **as applicable**, within Forty-Five (45) days from the date of issue of enlistment order or failing which a recovery of Rs. 10,000/- per week shall be made from the R.A. Bill till receipt of ERP Training Certificate without giving any show cause notice in this regard, if I/we being the lowest tenderer after work awarded to me.”

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17. Tenders with any condition including that of conditional rebates shall be rejected forthwith.
18. The Department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criteria.
19. **Performance Guarantee :**
  - (a) **5% of the 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.**

**Executive Engineer  
Nagpur-II,  
CPWD, Nagpur.**

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

### Information and Instructions for tender inviting authority for e-tendering :

- 1) The Engineer-in-Charge/DDH of any divisions/projects of CPWD or any other officer designated by CPWD Directorate from time to time, are authorized 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 **Page No. 12** of receipt of deposition of original EMD along with NIT :-
- 3) 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 authorized by the Engineer-in-Charge/DDH.
- 4) The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency by email/fax/ telephonically.
- 5) 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-tender portal website (<https://etender.cpwd.gov.in>>closed Tender>all) that the Particular contractor is not L-1 tenderer and work is awarded.
- 6) The tender inviting authority calls for original EMD of the L-1 tenderer from EMD receiving authority immediately.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## (Annexure-I)

**RECEIPT OF DEPOSITION OF ORIGINAL EMD**

(Receipt No. .... / Date .....

**Name of Work : A/R & M/O to Non-Residential Building at N.S. Building Campus,  
Civil Lines, Nagpur During 2026-27**

1. NIT No : **20/EE/NAGPUR-II/2026-27**
2. Estimated Cost : **Rs. 21,53,923/-**
3. Amount of Earnest Money Deposit : **Rs. 43,078/-**
4. Last Date & Time of submission of Bid : Up to **03:00 PM** on **19/08/2026**

1. **Name of Contractor** .....#
2. **Form of EMD** .....#
3. **Amount of Earnest Money Deposit** .....#
4. **Date of Submission of EMD** .....#

.....  
Signature, Name and Designation of EMD  
Receiving officer along with Office Stamp

**# To be filled by EMD receiving EE/DDH**

- 1) 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 authorized by the Engineer-in-Charge/DDH.
- 2) 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-tender portal website (<https://etender.cpwd.gov.in>>closed Tender>all) that the Particular contractor is not L-1 tenderer and work is awarded.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P) / EE



(Annexure-II)

**UNDERTAKING REGARDING GST REGISTRATION IN THE STATE OF  
MAHARASHTRA**

To,  
Executive Engineer,  
Nagpur-II,  
CPWD, Nagpur.

**Subject : A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil  
Lines, Nagpur During 2026-27**

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

“If work is awarded to me, I/We shall obtain GST registration certificate of the state, in which work is to be taken up, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and /or for any action taken by CPWD or GST department in this regard”.

Seal of bidder.

Date of submission

Signature(s) of bidder(s)

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| Omission.....NIL   | Overwriting.....NIL |
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**(Annexure-III)**

**UNDERTAKING ON STRUCTURAL STABILITY AND SOUNDNESS OF  
ALREADY COMPLETED BUILDINGS AND INFRASTRUCTURE PROJECTS**

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

I/we, further, undertake that if such information comes to the notice of CPWD, then Engineer-in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

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

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

Signature of notary with seal

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

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

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**(Annexure-IV)**

**Undertaking Regarding ERP Training in CPWD Department (For Newly Enlisted  
CPWD Contractors)**

To

The Executive Engineer,  
Nagpur-II,  
CPWD, Nagpur.

**Name of Work :- A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil  
Lines, Nagpur During 2026-27**

Having examined the details given in the bid document for the above work, I/we hereby submit  
that the Undertaking that,

“If work is awarded to me, I/we shall obtain ERP (Enterprise Resource Planning) training from  
CPWD Regional Training Institutes, as applicable, within Ninety (90) Days from the date issue of  
enlistment order, after which I/We not be allowed to participate in tendering process without  
uploading the training certificate.”

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

Date of Submission:

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

## CPWD-6 FOR e-TENDERING

The Executive Engineer, Nagpur-II, CPWD, Nagpur, on behalf of President of India, invites online percentage rate bids on single bid system from approved and eligible Contractor of CPWD in Buildings & Roads (B & R) Category **(for Class-III, IV and V contractor** whose enlisting is issued by SDG, Mumbai and ADG Bhopal are only eligible) for the work of “ **A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27 ”**

**The enlistment of the contractors should be valid on the last date of submission of bids.**

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

1. The work is Estimated to Cost **Rs. 21,53,923/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. **CPWD 7** which is available as a Govt. of India Publication and also available on **website [www.cpwd.gov.in](http://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 **12 (Twelve) 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 } **O<sub>1</sub>**  
 (ii) ~~The architectural & structural drawing for the work is available~~ or the architectural & structural drawing shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work. } **O<sub>2</sub>**
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on **website <https://etender.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, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....Two   | Overwriting.....NIL |

AE (P)      /      EE

8. Earnest Money in the form of **Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks** (drawn in favour of Executive Engineer, Nagpur-II, CPWD, Nagpur) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting Executive Engineer in the NIT. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.

**A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Commercial bank having validity for 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 to 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 only within a week physically in the office of tender opening authority.

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

**The bid submitted shall be opened at 03:30 PM on 19/08/2026**

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if:
- (i) The bidders is found ineligible.
  - (ii) The bidder does not deposit original EMD with division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of receiving division office is situated).
  - (iii) The bidder does not upload scanned copies of all the documents stipulated in the bid document including the copy of receipt for deposition of original EMD.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

- (iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of tender opening authority.
- (v) 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.
10. The contractor whose bid is accepted will be required to furnish **Performance Guarantee of (a) 5% of the 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** as mentioned in Schedule-E and within the period specified in Schedule-F. This guarantee shall be in the form of **Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks** in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with tender 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 afore said provisions by the sub-contractors, if any engaged by the contractor for the said work and program chart (Time and Progress) within the period specified in Schedule 'F'.**
11. Description of the work is as follows : **" A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27 "**
- Intending Bidders are required 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. The 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.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. 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.
17. 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 / email etc. shall not be considered.**
  - (iv) In case of forfeiture of Earnest Money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

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

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

**19. ~~For Composite Bid~~ } O<sub>1</sub>**

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

19.1.2 The bid document will include following three components:

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

Schedule A to F for minor component of the work. (SE/EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components).

**Part B :-** General/specific conditions, specifications, Additional conditions for Cement & reinforcement, special condition for painting, Guarantee Bonds & Preferred makes and Schedule of quantities for major component (s) of the work.

**Part C :-** General/specific conditions, specifications and Schedule of quantities applicable to Minor Components of work.

**Part D :-** Price Bid Sheet.

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

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

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....ONE   | Overwriting.....NIL |
| AE (P)             | / EE                |



Executive Engineer of major component will operate **Part A, Part B and Part D** of the agreement. Engineer-in-charge of minor component(s) shall operate **Part C** along with **Part A** of the agreement.

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

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

- 19.1.10 The main contractor has to enter into MoU with contractor(s) associated by him. Copy of such MoU shall be submitted to EE/DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main agency(s) has to enter into MoU with the new contractor associated by him.
- 19.1.11 Running payment for the major component shall be made by EE of major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor. The EMB shall be maintained independently by Engineer-in-charge of major and minor components.
- 19.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.
- 19.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (**Phone No.** 0712-2971065, **e-mail Id** : eencd2@yahoo.co.in) or ERP help line no. 18001803286 or e-mail Id [cpwd.support@techmahindra.com](mailto: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.

**20. ~~Price Preference to SC/ST individual contractor for item rate/percentage rate tender~~ } O<sub>1</sub>**

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 favour 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 preference upto 5% (with reference to the lowest valid price bid) may be allowed in favour of individual SC/ST contractor only. The above concession shall be allowed only after verification of the individual contractor's claim of belonging to SC/ST community.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....ONE   | Overwriting.....NIL |
| AE (P)             | / EE                |

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

|       |        |                |                                                   |
|-------|--------|----------------|---------------------------------------------------|
| राज्य | STATE  | :- Maharashtra | मुख्य अभियंता Chief Engineer :- CE, CPWD, Nagpur. |
| शाखा  | BRANCH | :- B & R       | मंडल DIVISION :- Nagpur-II                        |
| अंचल  | ZONE   | :- CE, Nagpur  | उपमंडल SUB-DIVISION :- NCSD-I, CPWD, Nagpur.      |

**Percentage Rate Tender & Contract for works**

**Tender for the work of :- A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27.**

To be submitted by **3:00 PM on 19/08/2026** to Executive Engineer, Nagpur-II, CPWD, Nagpur.

- (i) To be opened in presence of tenderers who may be present at **3:30 PM on 19/08/2026** in the office of The **Executive Engineer, Nagpur-II, CPWD, Nagpur.**

**T E N D E R**

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

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

We agree to keep, 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.

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|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

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

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

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

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to 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 of the State.

Dated .....

Signature of Contractor

Postal Address

Witness :

Address:

Occupation :

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

## स्वीकृति / ACCEPTANCE

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए रु: - ----- (रूपए -----  
 -----) की राशि के  
 लिए उपर्युक्त निविदा (अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।  
 The above tender (as modified by you as provided in the letters mentioned hereunder) is  
 accepted by me for and on behalf of the President of India for a sum of Rs. \* \_\_\_\_\_  
 (Rupees \_\_\_\_\_  
 \_\_\_\_\_ )

नीचे दिए गए पत्र इस ठेका करार का हिस्सा होंगे।

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

i)

ii)

iii)

भारत के राष्ट्रपति की ओर से तथा उनके लिए

**For & on behalf of the President of India.**  
**हस्ताक्षर Signature**

**तारीख Dated .....**  
 .....

.....  
**पदनाम Designation**

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

## **PROFORMA OF SCHEDULES**

|                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SCHEDULE 'A'</b><br>Schedule of quantities (as per PWD-3)                                       | As per enclosed Schedule of Quantities.                                                                                                                                                                                                                                                                                                                                                                       |
| <b>SCHEDULE 'D'</b><br>Extra schedule for specific requirements/<br>document for the work, if any. | Nil                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SCHEDULE 'E'</b><br>Reference to General Conditions of<br>contract.                             | General Conditions of Contract <b>Maintenance Works 2023</b> CPWD form 7 as modified and corrected up to previous day of the last date of submission of the tender.                                                                                                                                                                                                                                           |
| Name of Work                                                                                       | <b>A/R &amp; M/O to <u>Non-Residential Building</u> at N.S. Building Campus, Civil Lines, Nagpur During 2026-27</b>                                                                                                                                                                                                                                                                                           |
| Estimated cost of work                                                                             | <b>Rs. 21,53,923/-</b>                                                                                                                                                                                                                                                                                                                                                                                        |
| Earnest Money                                                                                      | <b>Rs. 43,078/-</b>                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Performance Guarantee</b>                                                                       | (a) 5% of the tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher)<br>(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                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>SCHEDULE 'F'</b><br><b>GENERAL RULES &amp; DIRECTIONS:</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                                               |
| Officer inviting tender                                                                            | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b>                                                                                                                                                                                                                                                                                                                                                           |

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

|                                                                                                                                                                                                                                                                |                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Price Preference to SC/ST individual contractor is valid up to <b>31/12/2025</b>                                                                                                                                                                               | <b>Not Applicable</b>                                                                                                                                                 |
| <b>Definitions:</b>                                                                                                                                                                                                                                            |                                                                                                                                                                       |
| 2(vi) Engineer-in-Charge                                                                                                                                                                                                                                       | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b>                                                                                                                   |
| 2(viii) Accepting Authority                                                                                                                                                                                                                                    | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b>                                                                                                                   |
| 2(x) Percentage on cost of materials and labour to cover all overheads and profits:                                                                                                                                                                            | 15%                                                                                                                                                                   |
| 2(x) (b) Standard Schedule of Rates                                                                                                                                                                                                                            | <b>Civil : - D.S.R. 2023 with correction slips issued up to the last date of submission of tender.</b>                                                                |
| 2(xii) Department                                                                                                                                                                                                                                              | Central Public Works Department.                                                                                                                                      |
| 9(ii) Standard CPWD Contract Form                                                                                                                                                                                                                              | General Conditions of Contract 2023 - <b>Maintenance Works</b> CPWD form 7 as modified and corrected up to previous day of the last date of submission of the tender. |
| <b>Clause 1</b>                                                                                                                                                                                                                                                |                                                                                                                                                                       |
| (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. | 07 days                                                                                                                                                               |
| (ii) Maximum allowable extension with late fee at 0.1% per day of performance guarantee amount beyond the period provided in (i) above                                                                                                                         | 03 days                                                                                                                                                               |
| <b>Clause 2</b>                                                                                                                                                                                                                                                |                                                                                                                                                                       |
| Authority for fixing compensation under clause 2                                                                                                                                                                                                               | <b>Chief Engineer, CPWD, Nagpur.</b>                                                                                                                                  |
| <b>Clause 2A</b>                                                                                                                                                                                                                                               | Not Applicable                                                                                                                                                        |

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

|                                                                                                                                                                                                                                    |                                                       |                                                                                       |                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Clause 5</b>                                                                                                                                                                                                                    |                                                       |                                                                                       |                                                                        |
| Number of days from the date of issue of letter of acceptance for reckoning date of start                                                                                                                                          |                                                       | 10 days                                                                               |                                                                        |
| <b>Sr. No</b>                                                                                                                                                                                                                      | <b>Description of Milestone (Financial)</b>           | <b>Time allowed in Months/ days (from date of start)</b>                              | <b>Amount to be with-held in Case of non-achievement of mile stone</b> |
| 1)                                                                                                                                                                                                                                 | 25% (of the tendered value)                           | 03 Months                                                                             | 1.25 % of tendered amount                                              |
| 2)                                                                                                                                                                                                                                 | 50% (of the tendered value)                           | 06 Months                                                                             | 1.25 % of tendered amount                                              |
| 3)                                                                                                                                                                                                                                 | 75% (of the tendered value)                           | 09 Months                                                                             | 1.25 % of tendered amount                                              |
| 4)                                                                                                                                                                                                                                 | Work completed in all respect and ready to hand over. | 12 Months                                                                             | 1.25 % of tendered amount                                              |
| <b>Note:</b> The withheld milestone will only be released when subsequent milestone is achieved within the specified time.                                                                                                         |                                                       |                                                                                       |                                                                        |
| Time allowed for execution of work                                                                                                                                                                                                 |                                                       | 12 (Twelve) Months                                                                    |                                                                        |
| <b>Authority to decide:</b>                                                                                                                                                                                                        |                                                       |                                                                                       |                                                                        |
| (i) Authority to convey the decision of shifting of milestone and Extension of time                                                                                                                                                |                                                       | Executive Engineer, Nagpur-II, CPWD, Nagpur.                                          |                                                                        |
| (ii) Authority to decide rescheduling of milestone and extension of time                                                                                                                                                           |                                                       | Chief Engineer, CPWD, Nagpur.                                                         |                                                                        |
| (iii) Shifting of date of start in case of delay in handing over of site                                                                                                                                                           |                                                       | Chief Engineer, CPWD, Nagpur.                                                         |                                                                        |
| <b>Applicable Clause 5 / Clause 5A</b>                                                                                                                                                                                             |                                                       | <b>Clause 5A</b>                                                                      |                                                                        |
| <b>Clause 6</b> Computerized Measurement Book (CMB) / Electronic Measurement Book (EMB)<br><b>Mode of Measurement: CMB/EMB</b><br><b>(a)</b> Mode of measurement : CMB/EMB<br><b>(b) Measurement to be recorded by contractor.</b> |                                                       | Electronic Measurement Book (EMB)<br><b>Measurement to be recorded by contractor.</b> |                                                                        |

Correction.....NIL

Insertion.....NIL

Omission.....NIL

Overwriting.....NIL

AE (P)

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| <b>Clause 7</b>                                                                                                                                                             |                                                                                                                                    |
| 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. | <b>Rs. 1.79 Lakh or</b> reasonable part thereof to facilitate progress of work.                                                    |
| <b>Clause 7A</b><br>Whether Clause 7A shall be applicable.                                                                                                                  | Yes                                                                                                                                |
| <b>Clause 8</b><br>Competent Authority to inspect and issue part/final completion certificate (To be filled by NIT approving authority)                                     | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b>                                                                                |
| <b>Clause 8A</b><br>Authority to decide compensation on account if contractor fails to submit completion plans                                                              | <b>Chief Engineer, CPWD, Nagpur.</b>                                                                                               |
| <b>Clause 10A</b><br>List of Testing Equipment to be provided by contractor at site                                                                                         | <b>As Per Table-I</b>                                                                                                              |
| <b>Clause 10 B (ii)</b><br>Whether Clause 10 B (ii) shall be applicable                                                                                                     | Not Applicable                                                                                                                     |
| <b>Clause 10 C</b><br>Component of labour expressed as percent of value of work                                                                                             | <b>Building :- 25%</b>                                                                                                             |
| <b>Clause 10 CC</b>                                                                                                                                                         | Not Applicable                                                                                                                     |
| <b>Clause 11</b>                                                                                                                                                            |                                                                                                                                    |
| Specifications to be followed for execution of work                                                                                                                         | <b>Civil :-</b> CPWD Specifications 2019, Volume-I and II with correction slips issued up to the last date of submission of e-bid. |
| <b>Clause 16</b>                                                                                                                                                            |                                                                                                                                    |
| Competent authority for deciding reduced rates.                                                                                                                             | Chief Engineer, CPWD, Nagpur.                                                                                                      |
| <b>Clause 18</b><br>List of mandatory machinery, tools & plants to be deployed by the contractor at site :-<br><b>As per Table-II</b>                                       |                                                                                                                                    |
| <b>Clause 19 C</b> Authority to decide penalty for each default                                                                                                             | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b>                                                                                |

Correction.....NIL

Insertion.....NIL

Omission.....NIL

Overwriting.....NIL

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| <b>Clause 19 D</b> Authority to decide penalty for each default                                                                    | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b> |
| <b>Clause 19 G</b> Authority to decide penalty for each default (subjected to a maximum of 5% of the estimated cost put to tender) | <b>Executive Engineer, Nagpur-II, CPWD, Nagpur.</b> |

**Clause 25**

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| (i) Conciliator                       | <b>Special Director General, CPWD, Mumbai.</b> |
| (ii) Arbitrator Appointment Authority | <b>Chief Engineer, CPWD, Nagpur.</b>           |
| (iii) Place of Arbitration            | <b>NAGPUR</b>                                  |

**Clause 32 :**

Requirement of Technical Representative(s) and Recovery Rate

| Sr. No | Minimum Qualification of Technical Representative | Discipline | Designation (Principal Technical/ Technical Representative)                            | Minimum experience            | Number | Rate of which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32(i) |                                   |
|--------|---------------------------------------------------|------------|----------------------------------------------------------------------------------------|-------------------------------|--------|-------------------------------------------------------------------------------------------------------------------|-----------------------------------|
|        |                                                   |            |                                                                                        |                               |        | Figures                                                                                                           | Words                             |
| 1)     | Graduate Engineer or Diploma Engineer             | Civil      | Technical representative (Project Manager cum planning/ quality/Site/billing Engineer) | 2 Year or 5 Year respectively | 1      | Rs. 15000/- Per month                                                                                             | Rupees Fifteen thousand per month |

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

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

The contractor shall ensure that at least one deployed technical representative shall be trained in courses related to CPWD specifications, labour laws, safety rules etc. of duration not less than 5 working days either through National CPWD Academy (NCA) or National Institute of Construction Management and Research (NICMAR) or CIDC or any other similar reputed and recognized Institute managed or certified by State/Central Government. The training cost and other cost related to training shall be borne by the contractor.

The contractor shall ensure that at least one technical representative is trained within six months of start of work. The time period of six months can be relaxed by the Engineer-in-Charge depending upon the frequency of training course organized by NCA. If the contractor fails to ensure that at least one technical representative is trained in the above mentioned course till completion of work or one year from start of work, whichever is earlier, then a non-refundable recovery of Rs. 50,000/- shall be made from the bill of the contractor. Decision of Engineer-in-Charge in this regard shall be final and binding on the contractor.

| Clause 38                                         |                                                                                                                                                             |                                    |                                                                                |               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------|---------------|
| (a)                                               | Schedule/ statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 with up to date correction slips. |                                    | D.S.R. 2023 with correction slips up to the last date of submission of tender. |               |
| Variations permissible on theoretical quantities: |                                                                                                                                                             | Variations                         | Recoveries proposed                                                            |               |
|                                                   |                                                                                                                                                             |                                    | Plus side                                                                      | Minus Side    |
| (a)                                               | Cement for works with estimated cost put to tender not more than Rs. 25 lakhs.                                                                              | 3% plus/minus                      | Nil                                                                            | Not Permitted |
| (b)                                               | For works with estimated cost put to tender more than Rs. 25 lakhs.                                                                                         | 2% plus/minus                      | Nil                                                                            | Not Permitted |
| (c)                                               | Bitumen all works                                                                                                                                           | 2.5% plus only & nil on minus side | Nil                                                                            | Not Permitted |
| (d)                                               | Steel reinforcement and structural steel sections for each diameter, section and category                                                                   | 2% plus/minus                      | Nil                                                                            | Not Permitted |
|                                                   | All other materials.                                                                                                                                        | Nil                                | Nil                                                                            | Not Permitted |

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**TABLE-I****LIST OF MINIMUM EQUIPMENT TO BE PROVIDED IN THE FIELD TESTING  
LABORATORY BY THE CONTRACTOR AT HIS OWN COST.****Concrete Section**

1. Sieve Analysis of stone ballast
  - (a) Sets of I.S. Sieves of sizes 63 mm, 45 mm, 22.4 mm, 11.2 mm, 5.60 mm. etc.
2. Sieve analysis of sand
  - (a) Sets of I.S. sieves of sizes 2.36 mm, 1.18 mm, 600 micron, 355 micron and 180 micron.  
Sieve shaker capable of 200 mm and 300 mm dia sieves, manually operated with timing switch assembly.
3. Silt content of sand
  - (a) Graduated glass cylinders 500 C.C. capacity.
4. Bulkage of sand
  - (a) Graduated glass cylinders 500 C.C. capacity.
5. Slump test.
  - (a) Slump cones.
  - (b) Slump rods 3/8" dia. 24" long bullet pointed.
  - (c) Steel plates 24" x 24"
  - (d) Steel scales.
6. For making beam specimens for flexural strength.
  - (a) Beam moulds.
  - (b) Tamping rods.
7. Testing flexural strength of concrete :-
  - (a) 100 ton capacity compressive strength testing i/c hand operated in two numbers with flexure test attachment.
8. Other miscellaneous items.
  - (a) Physical balance with set of weights.
  - (b) Pan balances.
  - (c) Spring balances.
  - (d) Glass measuring jar.
  - (e) Beakers.
  - (f) Towels, glass plates etc.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

### **FIELD TESTING INSTRUMENTS**

1. Steel tapes - 3 m
2. Vernier calipers
3. Micrometer screw 25 mm gauge
4. A good quality plumb bob
5. Spirit level, minimum 30 cms long with 3 bubbles for horizontal vertical
6. Wire gauge (circular type) disc
7. Foot rule
8. Long nylon thread
9. Rebound hammer for testing concrete
10. Dynamic penetrometer
11. Magnifying glass
12. Screw driver 30 cms long
13. Ball pin hammer, 100 gms
14. Plastic bags for taking samples
15. Moisture meter for timber
16. Earth resistance tests (for Electrical Divisions)
17. Meggar (for Electrical Divisions)
18. Depth Gauge
19. Straight edge

**Note :-** 1. The above list is only indicative and not exhaustive.  
 2. The contractor shall procure necessary T&P whenever required for timely completion of the work. Any idle T&P (from the list mentioned above) if not required/needed shall be removed away from site under information to Engineer-in-Charge.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**Table-II (T&P)**

**LIST OF MANDATORY MACHINERY, TOOLS & PLANTS TO BE  
DEPLOYED BY THE CONTRACTOR AT SITE AS & WHEN REQUIRED  
UNDER CLAUSE-18**

| S. No.   | Name of Equipment                                                                                                                                    | Numbers                                       |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>1</b> | <b>Excavators (various sizes)</b>                                                                                                                    | <b>As per requirement</b>                     |
| <b>2</b> | <b>Equipment for Concrete work</b>                                                                                                                   |                                               |
| 2.1      | Automatic batching plant having capacity (min.)-15 cum/hr                                                                                            | <b>As per requirement</b>                     |
| 2.2      | Vehicle mounted concrete pump with boom/ concrete pump of adequate capacity as decided by Engineer-in-Charge                                         | <b>As per requirement</b>                     |
| <b>3</b> | <b>Concrete transit mixer</b>                                                                                                                        | <b>As per requirement</b>                     |
| 3.1      | Rebound hammer for testing concrete                                                                                                                  | <b>As per requirement</b>                     |
| 3.2      | Concrete mixer (diesel)                                                                                                                              | <b>As per requirement</b>                     |
| 3.3      | Needle vibrator (electrical)                                                                                                                         | <b>As per requirement</b>                     |
| 3.4      | Needle vibrator (petrol)                                                                                                                             | <b>As per requirement</b>                     |
| 3.5      | Surface vibrator                                                                                                                                     | <b>As per requirement</b>                     |
| <b>4</b> | <b>Equipment for Building work</b>                                                                                                                   |                                               |
| 4.1      | Bar bending Machine                                                                                                                                  | <b>As per requirement</b>                     |
| 4.2      | Bar cutting machine                                                                                                                                  | <b>As per requirement</b>                     |
| 4.3      | Welding machine i/c transformer                                                                                                                      | <b>As per requirement</b>                     |
| 4.4      | Cube testing machines                                                                                                                                | <b>As per requirement</b>                     |
| 4.5      | Grinding/polishing machines                                                                                                                          | <b>As per requirement</b>                     |
| <b>5</b> | <b>Shuttering</b><br><b>Note:-</b> Recovery at the rate of Rs. 2500/ Sqm /month Shall be made for non-procurement of Shuttering in required quantity | Total minimum quantity of shuttering 400 Sqm. |
| <b>6</b> | <b>Equipment for transportation</b>                                                                                                                  |                                               |
| 6.1      | Tippers                                                                                                                                              | <b>As per requirement</b>                     |
| 6.2      | Trucks                                                                                                                                               | <b>As per requirement</b>                     |
| 6.3      | Tractor with Trolley                                                                                                                                 | <b>As per requirement</b>                     |
| 6.4      | Water Tanker                                                                                                                                         | <b>As per requirement</b>                     |

Correction\_\_\_\_NIL

Insertion\_\_\_\_NIL

Omission\_\_\_\_NIL

Overwriting\_\_\_\_NIL

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|           |                                                                         |                           |
|-----------|-------------------------------------------------------------------------|---------------------------|
| <b>7</b>  | <b>Pneumatic equipment</b>                                              |                           |
| 7.1       | Air compressors (diesel)                                                | <b>As per requirement</b> |
| <b>8</b>  | <b>Dewatering equipment</b>                                             |                           |
| 8.1       | Pump (diesel)                                                           | <b>As per requirement</b> |
| 8.2       | Pump (electric) (Desirable)                                             | <b>As per requirement</b> |
| <b>9</b>  | <b>Power equipment</b>                                                  |                           |
| 9.1       | Diesel generator of sufficient capacity                                 | <b>As per requirement</b> |
| <b>10</b> | <b>Testing Equipment / Survey Instruments</b>                           |                           |
| 10.1      | Theodolite                                                              | <b>As per requirement</b> |
| 10.2      | Auto level and Staff                                                    | <b>As per requirement</b> |
| <b>11</b> | <b>Graduated Glass Cylinder</b>                                         | <b>As per requirement</b> |
| 11.1      | Measuring jars 100ml, 200ml, 500ml                                      | <b>As per requirement</b> |
| 11.2      | Verniers calipers 12" & 6"                                              | <b>As per requirement</b> |
| 11.3      | Digital Micrometer least count 0.01 mm                                  | <b>As per requirement</b> |
| 11.4      | Screw Gauge 0.01mm – 10mm,                                              | <b>As per requirement</b> |
| 11.5      | Steel tapes-3m                                                          | <b>As per requirement</b> |
| 11.6      | Micrometer Screw 25 mm gauge                                            | <b>As per requirement</b> |
| 11.7      | A good quality plumb bob                                                | <b>As per requirement</b> |
| 11.8      | Spirit level, minimum 30cms long with 3 bubbles for horizontal vertical | <b>As per requirement</b> |
| 11.9      | Dynamic penetrometer                                                    | <b>As per requirement</b> |
| 11.10     | Depth Gauge                                                             | <b>As per requirement</b> |
| 11.11     | Moisture meter for timber                                               | <b>As per requirement</b> |

- Note:** - 1. The above list is only indicative and not exhaustive.
2. The contractor shall procure necessary T&P whenever required for timely completion of the work. Any idle T&P (from the list mentioned above) if not required/needed shall be removed away from site under information to Engineer-in-Charge.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

### **GENERAL REQUIREMENT FOR THE TENDER**

**Name of Work :- A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27**

1. The tenderer is advised to read and examine the tender documents for the work and the set of drawings available with Engineer-in-charge. He should inspect and examine the site and its surroundings by himself before submitting his tender.
2. Separate schedule of quantity is included in this tender for civil and electrical items of work. If the tenderer wants to offer any unconditional rebates on their rates, the same should also be offered in the respective components of civil and electrical schedule separately. The contractor shall quote the percentage rates in figures and words accurately so that there is no discrepancy in rates written in figures and words.
3. Time allowed for the execution of work is **12 (Twelve) Months.**
4. 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, 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 their tenders. The Contractor shall carryout 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. Any discrepancy between the architectural drawings and actual layout at site shall be brought to the notice of the Engineer-in-charge. It shall be responsibility of the Contractor to ensure correct setting of alignment. Nothing extra shall be payable on this account. No claims, whatsoever, shall be entertained at a later date for any errors found, on plea that the information supplied by the Department in the tender is insufficient or is at variance with the actual site conditions.
5. The Contractor shall, if required by him, before submission of the tender, inspect the drawings in the Office of the **Executive Engineer, Nagpur-II, CPWD, Nagpur**. 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 tender 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 tender document is different or in-correct otherwise or actual working drawings are at variance with the drawings available for inspection or attached to the tender documents.

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| Correction.....NIL | Insertion.....NIL   |
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6. 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. Nothing extra shall be payable on this account.
7. The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings 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 may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respects.
8. The contractor(s) shall submit a detailed program of execution in accordance with the master programme / milestone within ten days from the date of issue of award letter.
9. Quality of the work is of utmost importance. This shall be adhered to in accordance with the provisions of CPWD specifications and guidelines given in the relevant paras.
10. The contractor (s) shall make his own arrangements for electricity and water required for the execution of work.

**11. Cement shall be arranged by the contractor himself.**

**12. Steel Reinforcement shall be arranged by the contractor himself.**

**13. Engagement of agency for specialized works:**

Contractor has to engage specialized agencies for specialized items of works such as Waterproofing. Only those specialized agencies/firms who have satisfactorily executed works as per NIT.

14. Contractor has to deploy required Plant and machinery on the project. Minimum number of plant and machinery to be deployed by him is indicated in Annexure- T & P. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
15. The procedure on operation of e-MB i.e. uploading details of agreement and BOQ, recording online measurement(s) and raising Request for Inspection (RFI) by the contractor, verification and test check process by the department, selection of RFI for billing, summary of quantities, downloading and printing of e-MB, loss of e-MB etc. are given in SOP no.5/20(B) of SOP 2024.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

The Contractor shall record measurement online on ERP Portal and shall raise Request for Inspection (RFI) online for checking the online measurements by the engineer-in-charge or his/her authorized representative as per programme or interval fixed in consultation with Engineer-in-charge and / or his /her authorised representative. If after verification by the Engineer-in-charge and or his / her authorised representative, any change is required, then Engineer-in-charge and /or his /her authorised representative seeking the change shall return the online rejected measurements to the contractor for incorporating the changes. The contractor shall resubmit such measurements online after making necessary changes. All the changes are to be finally authorised by the Engineer-in-charge and / or his/her authorised representative.

The contractor shall have to download the ERP numbered EMB for the approved RFI (request for inspection), from ERP portal, submit printout of final EMB, having pages of A-4 size without any corrections/cuttings/overwriting/insertion, duly bound, with its pages machine numbered and signed on each page to the Engineer-in-charge.

The Engineer-in-charge and /or his / her authorised representative would thereafter check this ~~EMB~~/EMB and record the necessary certificates for their checks /test checks as per the standard format of department and shall act as per clause 6 of GCC-2023 of Maintenance work.

16. Contractor has to provide reinforcement cover blocks made of approved proprietary pre packed free flowing mortars (Conbextra as manufactured by M/s Fosroc Chemical India Ltd. or approved equivalent) of high early strength.
17. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time.
18. Bricks shall be of not less than class designation as specified in the nomenclature of the item. The average water absorption of bricks, when immersed in water for 24 hours, shall not be more than 20% of their dry weight.
19. In the event of any local problems arising while discharging your function at site, Contractor will deal with situation appropriately and Contractor will not bring Client / CPWD on the scene for such matters.
20. All the liabilities arising out of any provision of Labour Acts in force and enacted / amendment from time to time during the execution of contract shall be contractor's responsibility. Any expenditure incurred by Client to face the situation arising out the negligence on the part of the contractors or on the part of their labourers shall be to the contractors account and recovered from the contractor's dues.
21. The contractor shall be responsible for the proper conduct of their employees who would be employed by them on execution of this work in case it is noticed that any of their staff indulges in bad behaviour or commit thefts or tamper with any of the properties of the Centre, the contractor shall remove the concerned employee and make good the loss forthwith on receipt of complaint at no cost to Client.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

22. The contractor shall abide by the general directives and conditions of contract and contract labour health regulations or any other directives issued by the management / state Centre. Govt. or any other statutory body at any time during the execution of contract.
23. If your work is found unsatisfactory, Client/CPWD reserves right to terminate the contract without giving any notice and shall be completed at Contractor risk and cost. If contract is no longer required one month's notice should be given in writing before effecting the termination of contract by Client. Termination of contract from either side is subjected to forfeiture the EMD/Security Deposit etc. credited to Client.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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### **Minimum Quality Assurance Plan**

A Quality Assurance plan will be submitted by the contractor both in respect of incorporating details as given below for the approval of Engineer-in-Charge.

1. Number of required tests and frequency of testing as indicated in the mentioned in Clause-11 under Schedule 'F' & Provisions of BIS Code and Standard Practices shall be followed as per directions of the Engineer-in-Charge.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor. Time schedule by which each machinery & Tool & Plants is to be brought at site shall be indicated.
3. A field laboratory to be setup by the contractor at site of work as per direction of the Engineer-in-Charge. All the testing equipments required shall be arranged by the contractor and shall be clearly mentioned.
4. The work shall be executed as per Specifications mentioned in Clause-11 under Schedule 'F' with upto date correction slips. If CPWD specification is not available for particular item, then the relevant BIS code or manufacturers specification shall be followed.
5. A proper shuttering schedule showing quantity of shuttering to be brought at site either in one lot or at different stages of work to be submitted.
6. It will be deemed that work so measured, checked and paid is of the required quality and standard, both in respect of ingredients as well as the intended functions it is supposed to perform. In other words, the work would not only meet the required specifications but also the workmanship as per sound engineering practices.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## **Additional Conditions**

### **1.0 Acquaintance with site and Architectural drawings.**

- 1.1 The contractor(s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials from kiln or approved quarries for collection and conveyance of materials, suitable location for construction of godown, store, camp, transport facilities the extent of leads and lifts.
- 1.2 The work shall be carried out in accordance with the architectural drawings, Electrical & Mechanical drawings and structural drawings etc. All the drawings, shall have to be properly correlated before executing the work. In case of any difference noticed between drawings, final decision, in writing of the Engineer-in-Charge shall be obtained by the contractor. Samples shall be prepared before starting particular items of work for prior approval of the Engineer-in-Charge and nothing extra will be payable on this account.

### **2.0 Specifications :-**

- 2.1 Unless otherwise specified, CPWD Specifications as mentioned in clause 11 under Schedule 'F' with upto date correction slips till the date of receipt of tender shall be followed in general. Any additional item of work if taken up subsequently shall also conform to the relevant CPWD specifications mentioned above.
- 2.2 Wherever any reference to any Bureau of Indian Standard Specifications occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there to or revisions thereof, if any, up to the date of receipt of tenders.
- 2.3 Work shall be carried out in professional manner with finished product serving the intended purpose with specified strength, durability and aesthetics.
- 2.4 The contractor shall prepare all the needed shop drawings well in advance and get them approved before placing the order and execution of the item.
- 2.5 Full quantity of material(s) required for finishing items and cement-based putty ([applied@14.58](#) kg/10sqm. for average thickness 1mm), purchased from authorized dealers with their cash memos shall be deposited with the J.E. concerned well before commencement of work.
- 2.6 Acrylic smooth exterior painting /plastic emulsion painting/ distempering over walls shall only be carried out with application of roller.
- 2.7
  - a) The contractor shall deposit along with cash memos, the materials like O.B.D. Varnishes, synthetic enamel paint, plastic emulsion, water proofing cement paint, primer etc. In full quantity before start of the work.
  - b) The material shall be supplied at the concerned office with Junior Engineer-in-charge of work and will be issued to the contractor for work from Enquiry office.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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### 3.0 INTERPRETING SPECIFICATIONS

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions :

- a. Nomenclature of items given in the schedule of quantities in the tender.
- b. Particular Specifications
- c. Additional Conditions
- d. Special conditions
- e. Contract & Clauses as per Standard CPWD **GCC Maintenance Form 2023**.
- f. C.P.W.D. Specifications as mentioned in Clause 11 under schedule 'F' and MORTH Specifications with upto-date correction slips.
- g. Relevant I.S. Codes or specification.
- h. Directions of Engineer-in-charge shall be applicable where none of the above is to be applied.

### 4.0 Rates

- 4.1 Tendered rates shall be inclusive of all taxes and levies payable under the respective statutes.
- 4.2 The rates for all items of work, shall unless clearly specified otherwise, include cost of all labour, materials and other inputs, hand tools and plants involved in the execution of the item.
- 4.3 Unless otherwise provided in the Schedule of quantities the rate tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths to the building and nothings extra shall be payable to him on this account.
- 4.4 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 of water, if required for which no extra payment will be made. This will include water encountered from any sources such as rains, floods, sub soil water table being high and /or due to any other cause whatsoever.
- 4.5 The tenderer shall abide by the rules and regulations of respective GST/ Works Contract Tax Act etc. Necessary deductions on account of taxes shall be made on the gross value of the work done from the bills of the contractor as per the provisions of above stated Acts. Necessary certificates, if required, for tax deduction at source shall be issued to the contractor by the Engineer in Charge. However, acceptability of the certificate by the concerned authority shall not be responsibility of Engineer-in-charge. The decision of the Engineer-in-Charge regarding quantum of tax to be deducted at source shall be final and binding on the contractor.

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| Correction.....NIL | Insertion.....NIL   |
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- 4.6 The contractor shall comply with proper and legal orders and directions of the local or public authority of municipality and abide by the rules and regulations and pay all fees and charges which he may be liable. Quoted rates shall be considered inclusive of all such fees and charges.

## **5.0 Material :**

- 5.1 All the materials to be used on works shall bear BIS certification mark unless otherwise the make is specified in the item or special conditions appended with this tender document. In case BIS mark materials or the materials mentioned in the tender documents are not available, as per opinion of Engineer-in-Charge, which shall be final, the material to be used shall conform to CPWD specifications applicable in the tender or BIS Code. In such case Engineer-in-Charge shall satisfy himself about the quality of such material and give his approval in writing. Only articles classified as first quality by the manufacturers shall be used unless otherwise specified. All material not having ISI mark shall be tested as per relevant BIS specification. The Engineer-in-Charge may relax the condition regarding testing of the quantity of the materials required for the work if small. In all cases of use of ISI marked materials proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-Charge.
- 5.2 The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work. The testing of the materials shall be performed at any laboratory approved by the Engineer-in-Charge.
- 5.3 The contractor shall bring sample of materials for approval of the Engineer-in-charge. Sample of approved materials must be kept at site for inspection/comparison with materials to be used in work. All materials shall be delivered with manufactures test certificates and technical catalogues, instructions manuals, wiring diagram etc. as required.
- 5.4 Samples of various materials required for testing shall be provided free of charge by the contractor. Testing charges, if any shall be borne by the Agency. All other expenditure required to be incurred for taking the samples, conveyance, packing etc. shall be borne by the contractor himself.
- 5.5 The quantities of various material/items may vary from the quantities given in schedule of work. The agency shall bring the various items & materials as per actual requirement at site at the time of execution of work. Excess quantities shall not be accepted & paid by the department.
- 5.6 The agency has to make his own arrangement for storage and custody of materials. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor.
- 5.7 The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## 6.0 Inspection at Manufacturer's site:

- 6.1 For items/equipment requiring initial inspection at manufacturer's works' the contractor will intimate the date of testing of equipments/material at the manufacturer's works before dispatch. The department also reserves the right to inspect the fabrication job at factory and the successful tenderer has to make the arrangement for the same. The successful tenderer shall give sufficient advance notice regarding the dates proposed for such tests/inspection to the department's representative(s) to facilitate his presence during testing/fabrication. The Engineer-in-charge at his discretion may waive off such testing/fabrication. The cost of the Engineer's first visit to the factory will be borne by the Department. If subsequent visits are required on account of failure on the part of Contractor, the same shall be charged to him.

## 7.0 Electric Connection & Supply

- 7.1 The contractor shall make his own arrangements for obtaining electric connections, if required and make necessary payments directly to the department concerned.
- 7.2 The department shall in no way be responsible for either any delay in getting electric connection for execution of the work or not getting connection at all. No claim of any kind whatsoever on this account shall be entertained from the contractor.
- 8.0 The contractor shall leave such necessary holes, opening etc. for laying/burying in the work, pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for electric, sanitary, air conditioning, fire fitting, P.A. system, telephone system, C.C.T.V., system etc. and nothing shall be paid for the same. The contractor shall leave such recesses, holes, openings, etc., as may be required for the electric and other related works. (For this purpose, any required inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be arranged by the contractor and fix the same at the time of casting of concrete, stone work & brick work, if required, and nothing extra shall be payable on this account). Any Damage done to the building during the execution shall be made good immediately at his own cost to the entire satisfaction of the Engineer-in-Charge.
- 9.0 The chasing, cutting and making holes in the masonry and / or cement concrete and / or RCC works shall be done carefully without causing any damage to the structure. As far as possible, mechanical cutters & core cutting machines shall be used in a workman like manner, for concealing the pipelines and fittings. The chases / holes, so made, shall be made good with the cement mortar of mix 1: 3 (1 cement : 3 fine sand) after testing of the pipe lines for leakage. The cost of cutting cores in RCC, cutting holes in masonry & making good the same shall be inclusive in the respective item of drainage/water supply lines.

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| Correction.....NIL | Insertion.....NIL   |
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**10.0 Co-operation & Co-ordination with other agencies:**

- 10.1 The contractor for this work shall plan his work in such a manner so that the work (S) of other contractor(s) is /are not affected in any way. 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.
- 10.2 Conduits for electrical wiring/cables will be laid in such a way that they leave enough space for Concreting and do not adversely affect the structural members. Nothing extra over the agreement rate shall be paid for the same.
- 10.3 The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of building, if any, and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself.
- 10.4 Other agencies will also be executing simultaneously the works like other buildings, electrical cable laying, street lighting and horticulture works etc. for the same project along with this particular work. The contractor shall extend necessary facilities for the same and cooperate with such contractors. No claim in the matter shall be entertained.
- 10.5 The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants of the adjacent properties and to the public in general. The Contractor shall take all care, as not to damage any other adjacent property or other services running adjacent to the plot. If any damage is done, the same shall be made good by the Contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. The Contractor shall use such methodology and equipments for execution of the work, so as to cause minimum environmental pollution of any kind during construction. Further, the Contractor shall take all precautions to abide by the environmental related restrictions imposed by Maharashtra Pollution Control Board, Govt. of Maharashtra.
- 10.6 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, 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.

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| Correction.....NIL | Insertion.....NIL   |
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- 10.7 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 of the materials being used or removed so as not to interfere with the operations of other contractors or he shall arrange his work with that of the others in an acceptable and in a proper co-ordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

**11.0 Safety Measures :-**

- 11.1 The contractor shall also provide necessary barricade, informatory boards, lights and flagmen at either end of the execution area and at such intermediate points as required & as directed by the Engineer-in-charge at no extra cost.
- 11.2 The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract & nothing extra shall be paid on this account.
- 11.3 For form work use of solid timber and products involving solid timber shall not be permitted.
- 11.4 Any damage to work resulting from rains or from any other cause until the work is taken over by Department after completion of work shall be made good by the contractor at his own cost.
- 11.5 Any damage made by men, machinery, vehicles (LMVs or HMTVs), or any way to the public/private property such as services of electricity, water, telephone, LAN, road and path during execution of the work shall be repaired/redone by the Agency/Contractor. If contractor fails to repair/redone damage, the work shall be done on his risk as per the direction of the Engineer in charge. No any cost claim shall be entertained on this account.
- 11.6 All safety equipment such as Safety Helmets, Safety shoes, gloves, Safety belt etc. shall be made available to site Engineers, Supervisors, labourers, Masons fitters etc.

**12.0 Handling of Material/Waste :-**

- 12.1 Unserviceable materials shall have to be removed and disposed off at the places as decided by the Engineer-in-charge. Scarified rubbish of brick aggregates of WBM etc. shall be spread on the shoulders / on the slope of embankments and suitably compacted for which nothing extra shall be paid.
- 12.2 The contractor shall take instructions from the Engineer-in-charge for stacking of materials in any place. Double handling of materials or excavated earth if required at any stage, shall have to be done by the contractor at his own cost. No excavated earth or building material shall be stacked on areas where other buildings, roads services of compound walls are to be constructed.

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| Correction.....NIL | Insertion.....NIL   |
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- 13.0 The contractor & his work people shall observe all relevant rules regarding security promulgated in which work is to be carried out by the controlling authority of the area.
- 14.0 For water supply, in case the contractor is required to make his own arrangement then including boring of tube well, if necessary, and nothing extra shall be paid by the Department for arrangement of water or on its treatment as per requirements laid down in IS: 456 / 2000 Para 5.4 or **CPWD Specification 2019 Volume-I to II** with upto date correction slips.
- 15.0 In case of any calamity or injury to any labour/ workmen etc. or loss / wastage of materials due to nature or insurgency, contractor shall have to bear the cost of compensation and no claim to this effect shall be entertained by the department.
- 16.0 The contractor shall keep himself ready for execution of any item / items of work / part of the item of work on emergent notice given by the Engineer-in-charge on day-to-day basis during rainy season at no extra cost.
- 17.0 The contractor shall provide at his own cost suitable weighing and measuring equipments /instruments as may be necessary at site for checking purposes. All such equipments /instruments shall be got tested for calibration in advance from laboratory approved by the Engineer-in-Charge.
- 18.0 The work on item of internal finishing must be started as soon as the structure is completed.
- 19.0 The fittings used for items of water supply & sanitary works shall be of same make for all items from amongst the makes mentioned in the items.
- 20.0 The contractor shall be responsible for the protection of sanitary and water supply fittings and fixtures against pilferage and breakage during the period of installation and thereafter until the building is handed over.
- 21.0 The contractor shall give a performance test of the entire installation (S) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
- 22.0 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions including issue of identity cards to all persons authorized by him to do work / visit the work site and nothing shall be payable on this account.
- 23.0 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## 24.0 CLEANLINESS OF SITE

- 24.1 The Contractor shall not stack building material /malba /muck/ rubbish 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.
- 24.2 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.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## **MODE OF MEASUREMENTS**

### **(A) For Computerized Measurement:**

The measurements shall be recorded and entered in computerized format in the first instance by the contractor, and a hard copy shall be submitted to the Department. All entries shall be made exactly as per the existing procedure.

These measurements shall then be 100% checked by the Junior Engineer / Assistant Engineer. The contractor shall incorporate all such changes or corrections, as may be done during these checks, to his draft computerized measurement and submit to the department the corrected computerized measurement Books now in use, and with its pages machine numbered.

Executive Engineer shall test check these computerized measurement as per the existing instructions. This book shall be treated as a Computerized Measurement Book.

The Junior Engineer / Assistant Engineer and the Executive Engineer shall record the necessary certificates for their checks and test checks as per the existing procedure in this Computerized Measurement Book.

The Computerized Measurement Book shall be allotted a serial number as per the Register of Computerized Measurement Books.

### **(B) For Electronic Measurement:**

#### **Recording on-line Measurement(s) and raising RFI by the contractor:**

- Login to CPWD ERP Portal through “e-NIRMIT contractor login” tile available on CPWD web site “cpwd.gov.in”.
- Contractor dashboard appears after successful login. Select the agreement number from the drop down. Project ID, name of work etc. are auto populated with reference to the agreement selected.
- Click on the RFI tile, a screen appears with following tabs:
- Create Measurement: This functionality is to record online measurement(s).
- Update Measurement: To update already created measurements and to submit the Measurement for RFI.
- Display Measurement: To display the recorded measurements.
- Create RFI: To raise the RFI for the measurements already recorded and submitted for RFI.
- Update RFI: To Update the RFI or /and submit the RFI to CPWD team by selecting the concerned JE/AE from the Team.
- Display RFI: To Display the data of the RFI.

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| Correction.....NIL | Insertion.....NIL   |
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**Generating, downloading and printing-MB:**

To generate e-MB, click on the e-MB icon of RFI dashboard for selected agreement, and select discipline against which e-MB has to be raised. Select RFI(s) from the list for which e-MB is to be created.

Once selection of RFI(s) is confirmed, contractor can create the e-MB for the same. On next screen system will show summary of the items processed in the RFI(s). Click on save and e-MB will be generated. Print icon will be activated after save, contractor can download the e-MB contents as follows:

- i. Date wise measurements of the items.
- ii. Summary of the quantities of the items measured in the current e-MB.

**Signature of Contractor:**

The signature of contractor or his/her authorized representative is obtained in the e-MB for each set of Measurements. Contractor to submit **three sets** of e-MB, duly bound and machine page numbered, duly signed on each page to the Engineer-in-Charge. Engineer-in-Charge to issue number to each e-MB through Register of e-MBs.

**No cutting/overwriting /insertion is allowed in the downloaded and printed e-MB.**

**The pages of e-MB are ERP numbered.**

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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### **ADDITIONAL CONDITIONS FOR CEMENT**

1. The contractor shall procure 43 grade ordinary Portland cement conforming to IS: 8112 /Portland Pozzolana Cement conforming to IS:1489 {Part-I} as required in the work, from reputed manufacturers or their authorized dealers/ reseller of cement such as A.C.C., Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement, J.K. Cement **or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum as approved by SDG or his successor thereof appointed by competent authority for that region.** The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially.

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

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 godowns of the capacity to store a minimum of **2000 bags** of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
3. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement 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. **All expenditure to be incurred for testing of samples e.g. supply of material, 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 clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein. No Minus side cement consumption is allowed. In case of excess consumption, no adjustment need to made.

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6. The cement brought to 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 three days of receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.
8. The contractor may use PPC conforming to IS 1489 (Part I) in place of OPC for other items of work other than concrete and RMC.
9. 43 grades ordinary Portland cement conforming to IS 8112 shall be used for concrete and RMC work. The Contractor shall procure cement only from reputed manufacturers as per list of preferred brands as specified in the tender document.
10. Cement :- 43 grade ordinary Portland cement conforming to IS 8112 shall be used.
  - a) In case 43 grade Ordinary Portland Cement is not available, the contractor will be allowed to use 53 grade Ordinary Portland Cement (confirming to IS: 12269), subject to documentary evidence produced by the contractor regarding non availability of the specified grade and also subject to independent verification by the Engineer-in-Charge. Nothing extra shall be paid for this.
  - b) Use of fly ash conforming to IS 3812 (Part –I) is permitted in cement concrete work as partial substitution of OPC subject to fulfilment of conditions as per IS 1489 (Part-I) and satisfying the condition of minimum cement content.

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## **ADDITIONAL CONDITIONS FOR STEEL REINFORCEMENT**

### **1. Special condition for steel reinforcement bars**

**1.1** The Contractor shall procure only ISI marked corrosion resistant steel (CRS) reinforcement bars (TMT bars of Fe 500D grade or more) from primary manufacturers only:

- a.** The CPWD / contractor shall be procure only ISI marked corrosion resistant steel (CRS) reinforcement bars (TMT bars Fe 500D grade or more) from steel manufacturers such as SAIL, RINL, Tata, JSW, JSPL or their authorized dealer / reseller approved by SDG.
- b.** Eligibility criteria and other technical parameter for steel manufacturers:
  - I) The steel manufacturers should have following documentary evidence -
    - i. Certificate of incorporation.
    - ii. Memorandum of articles of Association
    - iii. Credit rating of the company from CARE/CRISIL/ICRA (the grading should not be C/D grade for minimum last 3 years)
  - II) The steel manufacturers must have following licenses and certificates
    - i. ISI certificate for billets (IS 2830:2012).
    - ii. ISI certificate for TMT bars (IS 1786:2008(Amendment-1 Nov 2012))
  - III) The steel manufacturers should also preferably have the following licenses –
    - i. ISO 9001:2015
    - ii. ISO 14001:2015
    - iii. OHSAS 18001:2007
  - IV) The steel manufacturer should be using iron ore as the basic raw material. The entire gamut of iron and steel production is owned by the same company or its subsidiary company (ies) and the iron making capacity is sufficiently matching the steelmaking capacity, adopting any of the refining technologies for manufacturing steel & TMT Bars as given under are eligible:
    - i. BF-BOF route
    - ii. COREX –BOF Route.
    - iii. DRI-EAF route (Each Electric Arc Furnace should be 100 MT or more).
  - V) Billets produced must be ISI marked (IS 2830:2012).
  - VI) The TMT bars produced must be ISI marked (IS 1786:2008). 330
  - VII) The steel manufacturer should have the following in house testing facilities (NABL Accredited):
    - i. Computerized Universal Testing Machine
    - ii. Spectrometer
    - iii. Bend Re-bend facility as per IS-1786:2008 (Amendment-1 Nov 2012).
    - iv. Raw material laboratory: Arrangement for testing Carbon, Sulphur & Phosphorous etc.
    - v. Other testing facilities as specified in IS -1786:2008 & IS-2830:2012

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| Correction.....NIL | Insertion.....NIL   |
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- 1.2 The contractor shall obtain manufacturer's certificate stating the process of manufacture, chemical composition and test sheet giving result of each mechanical test applicable to the material purchased and submit it to the Engineer-in-Charge. Each test certificate shall indicate the number of the cast to which it applies corresponding to the number or identification mark to be found on the material.
- 1.3 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes.
- 1.4 In case the test results indicate that the steel arranged by the contractor does not conform to the specifications, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.
- 1.5 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.
- 1.6 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 1.7 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below:

| Size of bar             | For consignment below 100 tonnes              | For consignment above 100 tonnes              |
|-------------------------|-----------------------------------------------|-----------------------------------------------|
| Under 10 mm dia bars    | One sample for each 25 tonnes or part thereof | One sample for each 40 tonnes or part thereof |
| 10 mm to 16 mm dia bars | One sample for each 45 tonnes or part thereof | One sample for each 50 tonnes or part thereof |
| Over 16 mm dia bars     | One sample for each 50 tonnes or part thereof | One sample for each 75 tonnes or part thereof |

**Note : Consignment shall be defined as quantity included in single purchase voucher.**

- 1.8 All expenditure to be incurred for testing of samples e.g. supply of material, packaging, sealing, transportation, loading, unloading, etc. including testing charges shall be borne by the contractor.
- 1.9 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein. No Minus side consumption is allowed. In case of excess consumption, no adjustment needs to be made.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

- 1.10 The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.
- 1.11 Steel bars brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
- 1.12 In case the contractor brings surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in-Charge.
- 1.13 Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters, as actually (not more than as specified in the drawing) used in the work, nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.
- 1.14 The standard sectional weights referred to as in Table 5.4 under para 5.3.4, page-140, in CPWD specifications for works 2019 Vol.1 will be considered for conversion of length of various sizes of MS bars, Tor steel bars and TMT bars into standard weight.
- 1.15 Records of actual sectional weight shall also be kept dia-wise & lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as derived actual weight.
- 1.16 If the derived weight as in para 1.15 above is lesser than the standard weight as in para 1.14 above the derived actual weight shall be taken for payment. If the derived actual weight is found more than the standard weight, then the standard weight as worked out in para 1.14 above shall be taken for payment. In such case nothing extra shall be paid for the difference between the derived actual weight and the standard weight.
- 1.17 Mixing of different type of steel/different grades of steel shall not be allowed in the same structural members as main reinforcement to satisfy clause 26.1 of IS: 456.
- 1.18 Tolerances on Nominal Mass (individual sample) shall be as under :-  
**(Table 5.4A / Page-141 / Specification – Vol-1-2019)**

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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### **CONDITIONS FOR RCC WORKS DESIGN MIX CONCRETE**

Following parameters shall be adopted for mix design in a Moderate Exposure.

- |    |                                   |                                                                                      |
|----|-----------------------------------|--------------------------------------------------------------------------------------|
| 1. | Nominal Maximum size of aggregate | 20 mm angular as per C.P.W.D. specification                                          |
| 2. | Degree of quality control         | Good                                                                                 |
| 3. | Type of Exposure                  | Moderate                                                                             |
| 4. | Maximum water cement ratio        | 0.50                                                                                 |
| 5. | Cement content                    | a) 330 kg/cum of concrete for M-25 Grade<br>b) 350 kg/cum of concrete for M-30 Grade |
| 6. | Type of cement used.              | OPC / PPC conforming to IS : Code                                                    |
| 7. | Sand                              | Coarse sand as per C.P.W.D. specifications.                                          |
| 8. | Chemical Admixture                | As per IS : 9103                                                                     |

- 9.1 For concrete mix design, laboratory tests with OPC / PPC cement will be carried out by the contractor through approved laboratories/institutions approved by the Engineer-in-charge. For this purpose, the various ingredients for mix design shall be sent to the lab/test houses or Institutions and the samples of such ingredients sent shall be preserved at site. The trial mix shall be prepared with approved aggregates, cement and water. The concrete batching plant to be employed in the work shall be used for preparing the trial mix to simulate actual field conditions.

Design mix shall be prepared without adding any admixture and minimum cement content of design mix as specified in the item is based on without adding any admixture. Admixture may be added to achieve desired workability for which nothing extra shall be paid to the contractor.

- 9.2 In respect of projected balconies, projected slabs at roof level and projected verandah, the payment for the R.C.C. work shall be made under the item of R.C.C. slabs. The payment for centering and shuttering of such items shall similarly be paid under the item of centering and shuttering of R.C.C. slab. Nothing extra shall be paid for the side shuttering at the edges of these projected balconies and projected verandahs. All the exposed edge shall, however, be finished as per specifications and nothing extra shall be paid for this.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

- 9.3 Only steel form work (Centering and Shuttering) conforming to **CPWD specifications 2019 Vol.-I** shall be used. Nothing extra shall be payable for steel form work.
- 9.4 The rate quoted by the agency shall be net and nothing extra shall be payable on account of change of quantities of concrete ingredients like coarse sand aggregates and admixtures etc. as per the approved mix design. **If cement used as per approved mix design is less than that as stipulated in the item i.e., 330 Kg/cum for M-25 and 350 Kg/cum for M-30 grade of RMC/DMC respectively then recovery for less use of cement than stipulated in the item shall be made @ Rs. 7.57 per kg of cement.**

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**SPECIAL CONDITIONS FOR ACRYLIC PAINTING**

All purchase of paint shall be made directly from the manufacturers or their authorized dealers. The delivery challan shall be issued by the manufacturers store yard directly with full description of the work for which the purchases is being made. The condition shall be applicable for all purchases if the quantity is 100 liters or more in a work.

The base for painting (Acrylic) be prepared by cleaning, scaling mosses etc. with wire brushes and cleaning with water etc. complete for which no extra payment shall be made.

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|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**SPECIAL CONDITIONS FOR EXTERIOR PAINTING WORKS**

1. All purchase of paint shall be made directly from the manufacturers or their authorized dealers. The delivery challan shall be issued by the manufacturers store yard directly with full description of the work for which the purchases is being made. The condition shall be applicable for all forms of purchases being made. The condition shall be applicable for all from purchases for 100 litres or more in a work.
2. The materials shall be Premium Acrylic Smooth Exterior paint with silicone additives “Snowcryn 1 – XT, of M/s Snowcem India Ltd. or equivalent like
  - (a) Weather Coat Smooth of M/s Berger Paint India Ltd.
  - (b) Dulux – Weather Shield Max” of M/s. ICI (India) Paints
  - (c) Apex Ultima of M/s Asian Paints.
3. The base for painting (Acrylic) shall be prepared by cleaning, scaling mosses etc. with wire brushes and cleaning with water etc. complete for which no extra payment shall bemade.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## **PARTICULAR SPECIFICATIONS AND CONDITION OF WORK**

- 1.0 The following modifications to the above specifications and some additional specifications shall however apply.
- 1.1 All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries at **Panchgaon District Nagpur** or any other source to be got approved by the Engineer-in-charge.
- 1.2 Coarse Sand should be obtained from **Kanhan River District Nagpur** or any other source to be got approved by the Engineer-in-charge and screened as required. The same shall be clean and sharp angular grit type. If the sand brought to site is dirty it must be washed in clean water.
- 1.3 Fine sand should be obtained from **Kanhan River District Nagpur** or any other source to be got approved by the Engineer-in-charge and screened as required. The same shall be clean and sharp angular grit type. If the sand brought to site is dirty it must be washed in clean water
- 1.4 Cast iron pipe and fittings without ear shall be used. However, pipes and fitting with ears may be accepted without any extra payment. In such cases, clamps are not required for and no extra payment will be made for fixing the pipes.

### **2.0 EMBEDDING OF PIPES, CONDUITS ETC.**

- 2.1 The brick work for the portions of the external wall of W.C. through which pipes are taken, will be done after the pipes are fixed as far as practicable.
- 2.2. All crossings, embedment's etc. in walls and floors for water supply, drainage and sanitary pipes, fittings etc. shall be provided as per previously prepared detailed drawings for individual walls and floors so as to avoid cuttings of brick work and floors. All such areas shall be made good during finishing and nothing extra shall be paid for this.

### **3.0 SPECIFICATIONS FOR MOORUM**

- 3.1 The contractor has to bring moorum required for filling in the road work, from sources, approved by the Engineer-in-Charge. The filling material shall be moorum obtained from pits of weather disintegrated rocks free from organic matters and should preferably contain siliceous material and natural mixture of clay of calcareous origin. The size of moorum shall not be more than 20 mm.
- 3.2 The moorum brought to site shall be directly used for filling and no claim for double handling shall be entertained. Filling shall be done in regular horizontal layers, each not exceeding 20 cm, in depth. The moorum shall be free from all roots, grass and rubbish and all lumps and clods, if any, shall be broken. Each layer shall be consolidated by breaking clods, watering and ramming with steel rammers. The top surface of finally finished area shall be dressed.
- 3.3 Before filling is started the contractor shall remove rank vegetation, grass, brushwood, shrubs and building rubbish etc. from the area and nothing extra shall be paid for on this account.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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4.0 The contractor shall at all time carry out the works on the road in a very systematic manner without interference to the flow of traffic and consistent with the satisfactory & timely execution of the work. For all works, the contractor shall maintain a passage for traffic either along a part of the existing carriage-way under improvement or along temporary diversion constructed close to the road for this purpose as directed by Engineer-in-Charge for which nothing extra shall be paid.

5.0 The item of concreting/premixing shall be started / executed strictly under prior written approval of the Executive Engineer at appropriate time indicating the quantities and reaches /length (BP No. / K.M.) In case the Contractor violates the directions, the responsibility shall evolve on him and shall be liable for any consequences of wastage / damage / loss / non-payment etc.

## 6.0 STAINLESS STEEL RAILING/HANDRAILS:

### 6.1 GENERAL

The Contractor shall apply all materials, labour, tools, ladders, scaffolding and other equipments necessary for the completion and protection of all stainless-steel work.

### 6.2 MATERIAL

All stainless-steel pipes and plates shall confirm to AISI 316 in Chromium 16%, Nickel 10%, Molybdenum 2% and carbon content will be 0.08% maximum and the relevant clauses associated with this grade of steel to be followed.

### 6.3 SURFACE FINISH

Surface finish of all the stainless-steel materials will be in 240 grit satin finish / matt finish.

### 6.4 ACCESSORIES

Fixing will be done by stainless steel expansion bolts of approved size and make as per approval of Engineer-in-Charge and welding to be done by using argon welding rods and the surface being duly finished and cleaned by K2 passivation, which is nitric acid plus fluoric acid solution treatment by which the chances of corrosion will be eliminated and any burn out makes on the metal will also be eliminated.

### 6.5 COATING MASS

All stainless-steel material will have to be coated by a solution of Inox to avoid finger in prints and avoidance of settlement of environment / atmospheric dust.

### 6.6 MEASUREMENT

All the stainless-steel finished parts shall be weighed correct to a gram and paid on weight basis.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

**6.7 RATE**

The rate shall include the cost of all the materials, machinery and labour involved in all the operations described above including cartage, lifts and all taxes as applicable.

Any incidental additional requirements for execution of this item to the satisfaction of Engineer-in-Charge shall also be treated as included in the item and shown in attached drawing and nothing extra will be paid for such extra work.

**7.0 FIXING OF SCI/CI PIPE**

7.1 The SCI/CI pipes and G.I. pipes, wherever necessary, shall be fixed to RCC columns, beams etc. with rawl plugs, or appropriate fasteners as approved by Engineer-in-Charge, and nothing extra shall be payable on this account. GI pipes shall be, wherever made to pass through wall / concrete, then it shall be done using protective sleeves all-round the pipes to protect it from damage, nothing extra shall be payable on this account.

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

**8.0 FLOORING, SKIRTING, VENEERING, DADO, TILE WORK, TREADS & RISERS OF STEPS, JAMBS, SILLS & SOFFITS**

8.1 Nothing extra shall be payable for using combination of marble, granite and Kota in the required pattern at various locations to make line and level unless otherwise specified.

8.2 Flooring in toilets, verandah, kitchen, courtyard and at other places if required shall be laid to the required slope/gradient as per the directions of the Engineer-in-Charge and nothing extra shall be paid on account of the same.

8.3 The pattern, spacing and locations of joints shall be as per drawings and direction of the Engineer-in-Charge and nothing extra shall be paid on account of the same.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

## 9. RATES

- 9.1 The rates quoted by the Contractor are deemed to be inclusive of 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 supplied 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. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.
- 9.2 All 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. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement & other storage, fabrication yard, site laboratory, water tank etc.
- 9.3 For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). 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.
- 9.4 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 thus not paid for.

|            |     |             |     |
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| Correction | NIL | Insertion   | NIL |
| Omission   | NIL | Overwriting | NIL |
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## 10.0 WATER PROOFING TREATMENT

The water proofing items should be got done through the firm approved by Engineer-in-charge. The contractor shall submit proposal for engaging a specialized firm for this work. The tenderer must associate with himself, agencies of the appropriate eligibility to tender for each of specialized nature of items / work listed below individually. Such works shall be got executed only through associated agencies specialized in these fields. The tenderer whose tender is accepted shall indicate the name(s) of his associated specialized agencies those fulfilling the eligibility criteria laid down below after award of work and at least 30 days before commencement of such items / work for the approval of the Engineer-in-Charge of that component, whose decision shall be final and binding. If the tenderer, himself fulfills the eligibility criteria laid down below for associated specialized agencies, then the tenderer shall not require to associate with himself the associated specialized agency.

### 10.1 GUARANTEE FOR WATER PROOFING TREATMENT

**10.1.1** 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 completion of works. In addition, specific **10 years** written guarantee (**to be furnished in a non-judicial stamp paper of value not less than Rs. 100/-**) in approved Performa 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.

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

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## 10.2 MEASUREMENTS

Only plan area shall be measured and paid. Nothing extra shall be paid for rounding off at junctions and taking treatment along sides of beams and walls. Length and breadth shall be measured correct to one centimeter and area shall be worked out to nearest 0.01 Sqm. No deduction in measurements shall be made for either opening or recesses for chimneys, stacks, roof lights and the like for areas up to 0.40 Sqm. nor anything extra shall be paid for forming such `openings. For similar areas exceeding 0.40 Sqm. deductions will be made in measurements for full openings and nothing extra shall be paid for making such openings.

## 10.3 RATES

The rate shall include the cost of all labour and materials involved in all the operations described above.

## 10.4 SUNKEN FLOOR SLAB, ITS TREATMENT ETC.

**10.4.1** Brick bat aggregate shall be from well burnt bricks. The proprietary water proofing compound shall be used.

**10.4.2** The surface shall be thoroughly cleaned with wire brushes. All loose scales shall be removed and dusted off. The surface bottom as well as sides shall be treated with cement slurry admixed with proprietary water proofing compound to penetrate into crevices and fill up all the pores in the surface.

**10.4.3** After the slurry coat is laid, layer of well burnt brick bats of about 40 mm size shall be laid in cement mortar of mix as specified by the specialist firm but not leaner than 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound, the mortar being filled to half the depth of the brick bat layer. The bricks bat layer shall be rounded off at junctions with the beam/ wall etc. and tapered towards top at height of 150 mm along beams/ wall etc. Curing of this layer shall be done for these days.

**10.4.4** After curing, the surface shall be applied with a coat of neat cement slurry admixed with proprietary water proofing compound.

**10.4.5** Joints of brick bat shall be filled fully with cement mortar of mix as specified by the specialist firm but not leaner than 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound and top finished with average 20 mm thick layer of same mortar. This layer of mortar shall be continued to the sides shall be as directed by the Engineer-in-charge. The surface shall be finished smooth with cement slurry admixed with proprietary water proofing compound.

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| Correction.....NIL | Insertion.....NIL   |
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| AE (P)             | / EE                |

**10.4.6** While the water proofing treatment is done, it shall be ensured that the outlet pipes are properly fixed and the gaps between the wall and pipes are properly filled with brick/stone aggregate and cement mortar admixed with proprietary water proofing compound and grouted with cement slurry admixed with proprietary water proofing compound.

**10.4.7** Waterproof treatment shall be cured for a minimum period of two weeks.

**10.4.8 MEASUREMENTS**

Measurements for the floor treatment shall be taken of the plan area of the floor treated. Nothing extra shall be paid for rounding off at junctions and taking the treatment along the sides of beams and walls for about 150mm.

**10.4.9 RATES**

The rate shall include the cost of all labour and materials involved in all the operations described above. Base treatment and side's treatment will be paid separately under respective items.

**10.5 Source of Materials:**

**10.5.1** All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries or any other source to be got approved by the Engineer-in-charge.

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

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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### **Special Condition for Malba Disposal**

1. Contractor shall have to make himself fully acquaint with the procedure of dumping malba at authorized (Nagpur Municipal Corporation) dumping ground well in advance. No hindrance shall be entertained on this account.
2. The payment of disposal of malba shall be made against the quantities of malba as per receipt issued by NMC authority at the dumping ground at Nagpur or other nearby specified dumping ground of NMC.
3. The malba shall be disposed/removed from the site within 72 hours from the time of intimation from the Engineer-in-Charge.
4. For the purpose of removal of malba contractor shall have to make his own arrangement of adequate no. of vehicles required at the NMC authorized dumping ground including necessary registration of vehicles for this purpose. Nothing extra shall be paid on this account.
5. The contractor shall intimate contact number/ mobile number of himself as well as of the supervisory staff who have to carry out this job of disposal of malba.
6. Contractor shall pay initially the actual NMC dumping ground tax (including advance amount if required by NMC to be deposited with them) to the NMC authorities/in-charge at dumping ground (Nagpur) or other nearby specified dumping ground of NMC and the same shall be reimbursed from time to time to the contractor by department on production of receipt of such charges.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |

### **SPECIAL CONDITIONS (REPAIR WORK)**

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

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

- 2.0 All byelaws laid down by NMC and any other local bodies while executing the work shall be adhered to. All taxes / levies payable to NMC and other local bodies shall be borne by the contractor. All traffic restrictions notified by local authorities shall be adhered to. Nothing extra on these accounts shall be payable on these accounts.
- 3.0 Being a repair work all precautions, as not to damage the property, shall be taken by the contractor. If any damage is done to any structure etc., the same shall be made good by the contractor at his own cost and to the entire satisfaction of Engineer-in-Charge.
- 4.0 Dismantling of RCC, Masonry shall be done by using mechanical equipment. The required electric power shall be arranged by the contractor at his own cost. Alternatively, contractor may engage Generator for the power supply.
- 5.0 Utmost care shall be taken by the Contractor to ensure that the building rubbish is not allowed to fall on the floor below while dismantling the RCC members such as slabs, beams etc., but the same shall be collected in the gunny bags and brought to the ground through temporary hoist or pulley and rope arrangement.
- 6.0 All the required materials shall be lifted to the upper floors through temporary hoist. Since the work is to be carried out in occupied buildings, lifting of materials through stair case / lift is not permitted.
- 7.0 The building rubbish obtained from the dismantlement shall be removed and disposed from the campus/ colony on day-to-day basis.

8.0 **SCAFFOLDING SYSTEM :**

The work of repair of structural members shall be executed strictly with double scaffolding system with all the accessories etc. in place, with adjustable suitable working platforms to access the area to be repaired safely and with ease for surface preparation, application of repairs, inspection etc. All the scaffolding systems shall be so installed that they are able to take all incidental loads. They should also cater to the safety features for workmen. These shall be stiffened with bracings, runners, connection with the building etc. It shall be ensured that no damage is caused to the building due to scaffolding.

Inadvertent damages caused, if any, shall be made good by the contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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## 9.0 PROTECTIVE FABRIC SCREENS:

Protective Fabric screening shall be provided by the contractor with PVC sheet, Hessian cloth etc. covering full height of the structure. **Nothing extra shall be payable on this account.**

It shall be provided by properly stitching the screen, having adequate lapping on sides to prevent any rubbish from falling outside while demolishing, dismantling, guniting, plastering etc. and to protect passers - by from the falling debris. Screen material shall be fixed by suitable means to the frames of scaffolding etc. and it is to be ensured that sagging of screen does not hinder the repair process.

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

## 10.0 TEMPORARY BARRICADING:

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

## 11.0 FALSE WORK:

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

False work shall be strong enough to withstand all the dead and live loads and forces / impacts caused by dismantling, chipping, ramming, vibration of concrete and other incidental loads imposed over it including that of working platform, workers and personnel etc. during and after repair work. It shall be made sufficiently rigid by using adequate ties and braces etc. De-shuttering and removal of false work should be done after the lapse of specified time and re-propping done, if required, after de -shuttering, as approved by the Engineer-in-Charge. False work shall be carried out using steel tubular sections with extension pieces or with steel built up sections to ensure relief to structural members from

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- stresses. No timber ballies etc. shall be used. The columns to be repaired shall be supported for full height of the building, to relieve its axial load through its adjoining intersecting beams and / or slabs etc. all floor levels. This shall be done even if only one storey length out of many stories lengths of the same column has been identified for structural repairs. The loads relieved are required to be transferred directly through props and supports on to the building foundation system or to the firm ground. Under no circumstances, the column load above this storey should be transferred by transfer through adjoining upper or lower intersecting beams alone.
- (b) The beams to be repaired shall be relieved of stresses and strains by suitably supporting the RCC slabs, which are contributing load to that beam. To avoid over stressing of any existing flexural members receiving the transferred load of the distressed beam, the steel props and supports shall be taken and continued to the firm ground. For upper stories the steel props shall be taken at least two stories below or as directed by the Engineer-in-Charge.
- (c) The RCC slabs to be repaired shall be relieved from stresses by prop and support and simultaneously care to be taken to avoid its collapse during the repair process. However, supports should preferably be, not farther than 1.2 m x 1.2 m. To avoid over stressing of existing flexural members receiving load of the distressed RCC slab, the steel props and supports provided shall be taken and continued to the firm ground or at least two slabs below or as directed by the Engineer-in-Charge.
- 12.0 All warning boards and displays, such as Repair Work in Progress, keep away from Building, No Parking etc. along with sufficient supervisory staff on ground shall be provided by the contractor, wherever required. Nothing extra shall be payable on this account.
- 13.0 Water and electricity shall be arranged by the contractor at his own cost. Nothing extra shall be payable on this account.
- 14.0 The site of work shall be always kept neat and clean due to constraints of working space in and around buildings. To avoid nuisance to the occupants, all building rubbish unserviceable materials shall be periodically removed from the premises to the approved municipal grounds and all necessary permissions in this regard have to be obtained by the contractor from the Municipal Authorities. Nothing extra shall be payable on this account.
- 15.0 Since the work is to be carried out in the occupied buildings, proper sequencing as regards dismantling of sanitary pipes, GI pipes, toilets etc. shall be done so as to cause minimum in convenience to the occupants besides taking care of the constraint of keeping the system functional during repairs by making temporary arrangements, as required. Nothing extra shall be payable on this account.
- 16.0 The area of dismantling / guniting / re-plastering / repairing as per relevant items etc. given in the tender may have to be got done in patches, at different heights / levels also for which nothing extra shall be payable.

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

**18.0 PRODUCT DELIVERY STORAGE AND HANDLING:-**

- 18.1 The contractor shall construct storage space for chemicals and other materials to ensure that the storage conditions are as recommended by the manufactures.
- 18.2 All the materials shall be procured and delivered in sealed containers with labels equable and intact.
- 18.3 All the chemicals (polymers, rusticides, epoxy water proofing compound etc.) shall be procured in convenient packs, say 20 liters (Kgs.) capacity packing only or as approved by the Engineer-in-Charge, and not in bigger capacity containers, say 200 liters (Kgs.) drums.
- 18.4 All required material shall be got approved, procured and deposited with the departmental supervisory staff. The material will keep in joint custody of the contractor and the department. The watch and ward of such material shall however, remain to be the responsibility of the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day to day account of receipt, issue and balance will be regulated by the department and proper account shall be maintained at site of work in the prescribed form as per standard practice.
- 18.5 All the chemicals shall be procured by the contractor directly from the manufacturer or their authorized dealers and copies of challans / cash memos towards the quantity of various chemicals procured shall be made available by the contractor to the department and the same shall be kept in record. 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 each container.
- 18.6 The contractor shall submit for the chemicals procured, manufacturer's and /or authorized dealer's certificate regarding supplying and verifying conformance to the material specification, as specified.
- 18.7 All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.
- 18.8 Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the Engineer-in-Charge.
- 18.9.1 All arrangement for measuring, dosing and mixing of material / chemicals at site has to be made by the contractor. Nothing extra shall be payable on this account.
- 18.9.1 Contractor shall suitably advise his site Engineer and all the workers as regard safe handling chemicals. Necessary protective and safety equipments in form of hand gloves, goggles etc. shall be provided by the contractor at no extra cost and also used at site.

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- 18.10 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 entertained on this account.

**19.0 CREDIT FOR DISMANTLED MATERIAL.**

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

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### **PARTICULAR SPECIFICATIONS FOR REPAIR WORK**

1. Adequate care should be taken by the contractor while dismantling, chiseling, demolishing work, drilling etc. that impact/vibrations are minimum for considerations of structural safety and also for inconvenience caused to the users of the building.

Perimeter of unsound concrete area shall be marked by making shallow cut on cover concrete with cutter machine to reduce the impact of chiseling. Rates shall cover cost of all inputs of material, labour; T&P etc. involved all the operations in the work.

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

- a. Strengthening of beams of first floor and columns from top of grade Beams/foundations up to middle of second floor.
- b. Strengthening of beams of second floor and column from middle of second floor to middle of third floor.
- c. Strengthening of beams of third floor and columns from middle of third floor to middle of the fourth floor.
- d. Strengthening of beams of fourth floor and terrace beams and columns from middle of the fourth floor up to terrace level. Gunited repaired structural members shall be allowed to attain at least 7 days strength before any load is transferred to that member.

4. For removal of all type of loose / delaminated / damaged / weak cement plaster from the surface of masonry or concrete, a cut normal to the surface all along the boundaries, in regular shape shall be made not to exceed plaster thickness. Then plaster shall be removed completely to expose the parent masonry or concrete surface so as not to have any traces of such plaster left. For brick work, the joints have been properly raked and cleaned as per CPWD specifications. The plaster should be dismantled without causing any damage to brick work.

#### **5. CHIPPING / DISMANTLING OF UNSOUND / WEAK CONCRETE & PREPARATION OF SUBSTRATE:**

5.1 The perimeter of unsound / weak concrete / delaminated layer of guniting shall be sawcut to a minimum depth of 12 mm in square/rectangular shape at normal (orthogonal) to the surface of member. Then concrete shall be removed by chipping with standard power-driven percussion type or pneumatic chisel of standard make from the demarked area including tapering all edges, making square shoulders of cavities etc. complete (after properly supporting the member with false works). The chipping shall be done in regular shape, with sides parallel or normal to the direction of the reinforcement and minimum 50 mm beyond the perimeter of the spall for single spall, the repair area should have a minimum width of 100 mm in direction. If a number of spalls are closely located to each other, these should be included in a single area marked for repair.

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#### 5.1.1 Exposing of rusted/corroded reinforcement:

Reinforcing bar must be further exposed if the remaining concrete is deboned from the reinforcing bar. Chipping around the reinforcing bar shall be continued to completely expose it, if more than half of reinforcing bar perimeter has been exposed. Concrete shall be removed from all around reinforcement including from behind the reinforcing bars to give an average 25 mm (but not less than 15 mm clear air gap) by using standard power driven percussion type or pneumatic chisel of standard make.

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

5.3 Chipping should be done up to the required depth as decided by the' Engineer-in-Charge to reach sound concrete substrate to a near uniform depth for the repair areas.

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

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

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

### 6. CUTTING OF EXISTING REINFORCEMENT

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

6.2 The reinforcement shall be carefully cut with electrical cutter machine to minimize excessive vibrations or damaging the structure and the recovered reinforcement should be straightened, cleaned of concrete by wire brush scrapped and stacked properly with in a lead of 50 meters as directed by the Engineer-in-Charge.

### 7. CLEANING OF EXISTING REINFORCEMENT

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

7.2 At first rust shall be removed from the surface of the reinforcement manually using chisels, wire brush, emery paper etc. as directed by Engineer-in-Charge at no extra cost, till the steel surface is cleaned off loose rust.

7.3 Then sulphate and chloride free chemical rust remover, as approved by the Engineer-in-Charge shall be applied with paint brush over the reinforcement surface thoroughly along the full length of rusted reinforcement. After 24 hours of its application the surface shall be cleaned with wire brush to remove all loose particles.

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

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## 8. ADDITIONAL REINFORCEMENT BARS:-

8.1 For introducing additional reinforcement bars for new structural connections or supplementing additional steel area to the existing RCC member, the cross sectional area (diameter and no. of bars) and length required shall be approved by the Engineer-in-Charge. Also, the depth of embedment of reinforcement bar shall be approved by the Engineer-in-Charge. The holes of specified diameter and depth have to be bored with diamond or hammer drill machine in RCC. Diameter of the hole shall be 4 mm larger than diameter of dowel bar. The bored hole in dry state, shall be cleaned with round brush and by blowing air through a tube inserted in the hole and connected to hand operated blower. Depth of holes shall be checked by the field staff by inserting rod marked with standard length.

Then, epoxy shall be injected from foil pack with help of epoxy dispenser and epoxy cartridge holder and disposable PVC mixing nozzle inserted inside the drilled hole to fill it from bottom/end of hole and slowly withdrawing the pipe while injecting epoxy till mouth of hole to ensure no air void is left inside the hole. Then dowel bar shall be inserted by pressing and turning till end of the hole is reached and shall be allowed to remain undisturbed for minimum 24 hours for epoxy to be air cured. Rates shall include cost of all inputs of material, labour and T&P etc. involved in all the operational except the cost of reinforcement.

### 8.2 WELDING ADDITIONAL REINFORCEMENT:

In case cross sectional area of an individual bar of RCC slab has been reduced by 20% or more, then additional reinforcement shall be welded with existing bar to ensure continuity of the reinforcement of equal strength of original bar as illustrated in the sketch. If any existing reinforcement bar is found displaced/loosened, same shall be secured at its design location.

## 9. SHEAR-KEYS:-

9.1 Shear keys shall also be provided in similar manner as illustrated in para 8.0 above. The shear key bars cut and bent to the required shape shall be embedded in parent concrete to a minimum depth of 50 mm or longer as specified in the item. Rates shall include cost of all materials, labour and T & P etc. involved in all the operations.

## 10. CLEANING OF EXPOSED RCC / CONCRETE SURFACE, INSERTING NIPPLES AND INJECTION GROUTING: -

- 10.1 The final chipped off concrete surface and exposed reinforcement, if any of the affected structural member should be cleaned off all loose and foreign materials by free air blast and then with water and allow it to dry.
- 10.2 For the honey combed portion of the concrete or cracked concrete, drill holes at least 18 mm in diameter and depth up to 60 mm or behalf the member thickness whichever is less, at the required spacing, as directed by the Engineer-in-Charge.
- 10.3 For cracked surface open up cracks by making V notch or groove of size 12 mm x 12 mm as directed by the Engineer-in-Charge.
- 10.4 Remove coarse debris and dust in opened up cracks and drilled holes by blowing air with hand operated blow out pump. Concrete surface required to be grouted shall be

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free from all loose and unsound material. The prepared surface should be clear of dust which could obstruct free flow or grout material and also impede its bonding with concrete surface. Saturate the concrete in vicinity of crack / honey combed concrete surface with water (but without excess water) only if the cementations / polymer admixed grout to be injected.

- 10.5 Insert 12 mm diameter specified injection nipples in holes drilled along cracked lines or in honey combed area of concrete and fix them by sealing on its sides with or polymer modified mortar, as directed by the Engineer-in-Charge.
- 10.6 Seal the crack or the honey combed surface between the nipples by means of epoxy mortar or polymer modified mortar, as approved by the Engineer-in-Charge. The polymer used shall be of approved grade and polymer modified mortar shall be applied as per specifications mentioned separately for polymer modified mortar. The polymer modified mortar shall be moist cured for 3 days and allowed to gain strength before actual grouting commences.
- 10.7 To inject grout in nipples, the cementitious grout shall be prepared from cement (OPC-43 grade), sand (sharp, washed well graded generally conforming to zone IV of IS: 383) and water conforming of IS: 456 mixed in specified proportions as directed by the Engineer-in-Charge.
- 10.8 The emulsified acrylic polymer shall be as specified and shall conform to manufacturer's specification. The physical and mechanical properties of polymers shall conform to manufacturer's specification. One test shall be carried out mandatory for every lot of acrylic polymers supplied at site, before use in the work.
- 10.9 The grouting equipment shall be capable of supplying mixing, stirring and pumping grout to the satisfaction of Engineer-in-Charge. It shall have capacity to inject grout at a pressure up to 7 kg / sq. cm measured at grout connections. It shall be capable cement ratio ranging from 0.5 to 1.0.
- 10.10 Wherever epoxy is to be used the surface of the concrete shall be dried with air blast, before grouting or applying epoxy. The cementitious grout in proportion as directed by the Engineer-in-Charge shall be prepared. It should be lump free of creamy consistency, thoroughly blended and shall be continuously stirred to keep the cement particles in suspension to retain uniform consistency in grout is injected.
- 10.11 In case of vertical cracks, the injection shall be started at the lowest nipple and continued until the injected grout begins to flow out at the next higher nipple. The first nipple shall then be closed and injection continued from second until grout flows out at the third and so on. The process shall be repeated until the whole surface is treated. As soon as the system is cured, the nipples shall be suitably cut.
- 10.12 In case of honey combed concrete, each grout hole shall be grouted individually. The sequence of injection shall be as per the directions of the Engineer-in-Charge.
- 10.13 The measurement of grout material shall be on the basis of only the weight of cement consumed in kg.
- 10.14 Pre-measurements of the quantities of such grouting materials brought at site and balance quantities remaining at the end of grouting application shall be recorded separately which will determine the quantity of grout material actually injected.

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Adequate care is to be taken by the contractor as not to waste the grout. The quantity which can be consumed immediately within the prescribed time only shall be prepared in batches.

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

## 11. BOND COAT

- 11.1 Bond coat is required to be applied for adhesion of applied repair concrete or mortar to the parent concrete. For this, the surface should be thoroughly cleaned by brushes and by blowing air from hand operated pump. The surface shall then be saturated with water minimum 1 hour before application of bond coat and allow surface to attain saturated surface dry condition (SSD).

### 11.2 PREPARATION OF BOND COAT:

The components of bond coat shall be weighed batched and mixed in specific proportions as indicated in the item. Area of chipped concrete surface shall be assessed roughly.

Accordingly required quantity of acrylic polymer for bond coat shall be taken in a plastic bucket/mini drum then proportional quantity of PPC / OPC cement by weight (as per manufacturer's specifications) shall be blended slowly under continuous stirring with low speed (500 – 800 rpm) electric stirrer for minimum 2 minutes till a homogeneous and lump free slurry is formed. In no case bond coat slurry shall be prepared without electric stirrer at site.

The specified bond coat shall be applied by stiff nylon bristle brush. The bond coat shall be worked well onto the concrete surface of the parent concrete including reinforcement surface ensuring that no pinholes are left. The polymer modified bonding cement slurry shall be applied to a thickness not more than 2mm. Bond coat shall be allowed to reach tacky condition before applying polymer modified mortar or pouring concrete jacket.

(Area of exposed RCC unit shall be measured in sqm correct to two decimal places for the purpose of payment).

Prefabricated shuttering shall then be erected immediately. Fresh concrete / mortar shall be placed / applied while the bond coat is still tacky and well within pot-life / setting period. If adhesive cures to the extent of losing its tack or has set before concrete /mortar is placed / applied, the same shall be removed or slightly abraded and another coat of adhesive / bond coat shall have to be applied by the contractor at his own cost. Freshly placed concrete shall be thoroughly consolidated to ensure full bonding of the fresh concrete with the parent concrete. If there is a failure of bond of fresh concrete/ plaster with parent concrete surface and it sounds hollow on tapping, the repair work shall be dismantled and redone by the contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. CPWD specifications for manufacture and placing and curing of concrete shall, in general, be followed unless specified otherwise.

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**LIST OF APPROVED MAKES OF MATERIALS  
(FOR CIVIL WORKS)**

- Note :**
1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
  2. The Contractor shall obtain prior approval from the Engineer-in-Charge before placing order for any specific Brand/ Make of material.
  3. Whenever the specified brand of material is not available then, the Engineer-in-Charge may approve any material equivalent to that specified subject to a definite proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.

**LIST OF PREFERRED MAKE / BRAND**

| <b>Sr. No.</b> | <b>MATERIALS</b>                                                                                  | <b>PREFERRED MAKE/ BRAND</b>                                                        |
|----------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 1.             | Acrylic Emulsion Paint                                                                            | Shalimar, Nerolac, JSW, Birla Opus.                                                 |
| 2.             | Aluminium Composite Panel                                                                         | Alpolic, Aluco Bond, Euro bond, Reynobond, Al-strong, Aludecor } All FR-B1 Grade    |
| 3.             | Aluminium Extrusions                                                                              | Hindalco, Indalco, Jindal.                                                          |
| 4.             | Aluminum Sections                                                                                 | Hindalco, Indalco, Jindal.                                                          |
| 5.             | Annealed Float Glass                                                                              | Saint Gobain, Modi Guard, TATA.                                                     |
| 6.             | A.A.C. Block                                                                                      | Biltech, Siporex, ULTRA TECH, Finecrete, E-nova, Dlite, M/s RKSJ Block LLP          |
| 7.             | Board & Plywood                                                                                   | Duro, Kitply, Century, Asis                                                         |
| 8.             | Calcium silicate board/tile                                                                       | Aerolite, Ramco-Hilux, USG-BORAL, M/S Bharat Steel Rolls, “BSR Calsi Ceiling”       |
| 9.             | Centrifugally Cast Iron Pipe & Fittings                                                           | Neco, SKF, Kapilansh                                                                |
| 10.            | Ceramic/Rectified Tiles                                                                           | First quality tiles of :- Kajaria, Somany, RAK, Johnson, NITCO.                     |
| 11.            | Chequered tiles/Parking tiles                                                                     | Ultra, Nitco, Raj-Tiles, Somany.                                                    |
| 12.            | CP fittings                                                                                       | Johnson, Jaquar, Marc, CERA, Kohler, Kerovit, Grohe, Hindware.                      |
| 13.            | CPVC Pipes, CPVC for portable water supply & soil and waste discharge system & Rain water system. | Astral, Flowguard, Ashirvad, Prince, Prayag.                                        |
| 14.            | Cement                                                                                            | A.C.C., Ultratech, Shree cement, Ambuja, Jaypee Cement, Century Cement, J.K. Cement |

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| 15. | Corrosion Resistant TMT/ Low Alloy Steel                                                 | SAIL, TATA STEEL LTD., RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD.                                       |
| 16. | C.P. Brass Two Way Bib Cock with health faucet                                           | Jaquar, Kohler, CERA.                                                                                        |
| 17. | C.P. Brass Wall Mixer                                                                    | Jaquar, Kohler, CERA.                                                                                        |
| 18. | Designer coloured cement concrete floor tiles for external used / Concrete paver blocks. | Ultra, Nitco, PAVIT, UNISTONE, Duracrete, Raj tiles.                                                         |
| 19. | Distempers                                                                               | Shalimar, Nerolac, JSW, Birla Opus.                                                                          |
| 20. | EPDM Membrane                                                                            | STP, BASF, Oshakarubber softex                                                                               |
| 21. | Epoxy Primer & Paints                                                                    | Berger, Pidilite, CICO, Fosroc, BASF                                                                         |
| 22. | Exterior Emulsion Paints                                                                 | Shalimar, Nerolac, JSW, Birla Opus.                                                                          |
| 23. | Enamels                                                                                  | Shalimar, Nerolac, JSW, Birla Opus.                                                                          |
| 24. | Façade Tiles                                                                             | Unistone, Durocrete, Eurocon, Clay Magix.                                                                    |
| 25. | Float Glass, Reflective glass, Tinted Glass, Mirror                                      | Modi Float, Saint Gobain, TATA.                                                                              |
| 26. | Flush Doors (ISI Mark only)                                                              | Kutty flush door, KITPLY industries, Century Archidply, Green ply, Merino, A1 flush doors. M.P. wood product |
| 27. | FRP Shutters                                                                             | Aashoo, Jain wood Industries, Rajashri.                                                                      |
| 28. | Factory made wooden panelled shutter/wire mesh shutters and frames                       | A-1 teak product Pvt. Ltd, Jain wood Industries, MP Wood products.                                           |
| 29. | Fly Ash Brick                                                                            | Shree Salasar Bricks, PAUL, Sankalp Fly Ash Bricks, Indu Fly Ash Bricks.                                     |
| 30. | Galvanized/Stainless Steel Anchor Fasteners                                              | Arrow, Hilti, Fischer.                                                                                       |
| 31. | G. I. pipes                                                                              | Tata, Jindal, Prakash Surya                                                                                  |
| 32. | Gun Metal Gate Valve                                                                     | Zoloto, Leader, SAINT, Kirloskar.                                                                            |
| 33. | Glass Reinforced Gypsum (GRG) False Ceiling, Gypsum Board False Ceiling                  | Boral Gypsum, India Gypsum, USG, St. Gobain (Gyproc), KNAUF, M/s. Bharat Steel Rolls                         |
| 34. | GRC Jali                                                                                 | Unistone, Birla White, Mahesh                                                                                |
| 35. | Hydraulic Door Closer                                                                    | Hardwyn, Godrej, Dorma, GEZE, HAFALE.                                                                        |
| 36. | Hydraulic Floor Spring                                                                   | Hardwyn, Godrej, Dorma.                                                                                      |
| 37. | Hubless centrifugally cast (spun) Iron pipes and fittings and accessories spigot series. | NECO, SKF, RPMF.                                                                                             |
| 38. | High pressure laminates                                                                  | Greenlam, Merino, Century.                                                                                   |
| 39. | Interior Emulsion Paint                                                                  | Shalimar, Nerolac, JSW, Birla Opus.                                                                          |
| 40. | Kerb Stone                                                                               | Raj tiles, Mehtab, Keptim                                                                                    |
| 41. | Looking Glass /Mirror                                                                    | Modi Guard, Atul, PRAYAG, CERA.                                                                              |

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| 42. | Laminate                                                                             | Marino, Greenlam, Century, ARCHID.                                               |
| 43. | Melamine Polish                                                                      | Melamine Gold of Asian Paint, Wudfin of pidilite, Timbertone of ICI Dulux.       |
| 44. | Metal False Ceiling                                                                  | Luxalon, Armstrong, Daikin, KNAUF, New Age False Ceiling, M/s Bharat Steel Rolls |
| 45. | Mineral Fibre Ceiling                                                                | Armstrong, Daikin, KNAUF, New Age False Ceiling                                  |
| 46. | M. S. Pipe                                                                           | Electro Steel, Apollo (ISI), Jindal, TATA                                        |
| 47. | Looking Glass /Mirror                                                                | Modi Guard, Atul, PRAYAG, CERA.                                                  |
| 48. | Mortice Locks, Latch, Door Closer Lock.                                              | Dorma, Geze, Dorset, Hafale.                                                     |
| 49. | Marine Plywood / BWP Ply                                                             | Kitply, Duro, Archidply, Century, Greenply                                       |
| 50. | Oil Bound Distemper                                                                  | Shalimar, Nerolac, JSW, Birla Opus.                                              |
| 51. | Paver block, Designer parking tiles and Kerb stone                                   | Raj tiles, Mehtab, Keptim                                                        |
| 52. | Plastic Connection Pipe                                                              | Parryware, Kamal Delux .                                                         |
| 53. | Primers (Exterior)                                                                   | Shalimar, Nerolac, JSW, Birla Opus.                                              |
| 54. | Primers (Interior)                                                                   | Shalimar, Nerolac, JSW, Birla Opus.                                              |
| 55. | PTMT Fittings                                                                        | Prayag, Polytuf, Shakti                                                          |
| 56. | Polymer Modified Adhesive for AAC Block                                              | Ultratech, Ferrous Crete, Myk Laticrete, Dlite                                   |
| 57. | Pre-laminated Particle Board IS : 12823 (Gr-I, Type-II)                              | Kitlam, Archid Ply, Green Lam, MERINO, Century Ply.                              |
| 58. | PVC Rain Water Pipe & Fitting IS:13592 Type A                                        | Finolax, Supreme, Plasto.                                                        |
| 59. | PVC Shutter                                                                          | Rajshri, Sintex, Jain wood Industries.                                           |
| 60. | PVC Tank (ISI Marked)                                                                | Sintex, Plasto, Prayag.                                                          |
| 61. | Precast drain cover                                                                  | KK, HPL, Nitco, S&S.                                                             |
| 62. | R.M.C. Plant                                                                         | Ultratech, ACC, Prism Johnson Limited RMC (India) Division.                      |
| 63. | R. C. C. Pipes (NP-2)                                                                | Lakshmi, Sood & Sood, Jain & Co., Nagpur Cement Product.                         |
| 64. | R.C.C. Door frames                                                                   | Ventura, Bothra, Mahalaxmi.                                                      |
| 65. | Sanitary Installations ( such as WCs, i/c flushing cistern, cover etc., Urinals)     | Parryware, Hindware, CERA, Johnson, Somani, Jaguar                               |
| 66. | Sanitary Fittings ( such as C.P. Bib Cock, Health Faucet with two way bib cock etc.) | Jaquar, Kohler, CERA.                                                            |
| 67. | Solid Plastic Seat Cover for EWC                                                     | EWC standard seat cover white of Parryware, Hindware, CERA, Prayag.              |
| 68. | Stainless Steel                                                                      | Jindal Stainless Steel, Salem Steel, SAIL, TATA.                                 |

Correction \_\_\_\_\_NIL

Insertion \_\_\_\_\_NIL

Omission \_\_\_\_\_NIL

Overwriting \_\_\_\_\_NIL

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| 69. | Stainless steel Sink with or without Draining board.                | Nirali, Hindware, Frankee, Prayag                                      |
| 70. | Structural Silicon Sealant                                          | Dow Corning, Wacker, GE-Silicon.                                       |
| 71. | Structural steel such has MS pipe, Tubes, Angle, T-section, Channel | TATA, SAIL, RINL, Jindal, JSW, Apollo                                  |
| 72. | Super plasticizer                                                   | Fosroc, BASF, Sika.                                                    |
| 73. | SS Railing                                                          | SALEM STEEL, JINDAL, SAIL & TATA STEEL.                                |
| 74. | S. S. Door hardware, Steel doors ½hrs. to 2 hrs. fire rated.        | Dorma, Prayag, HETTICH, HAFELE, GEZE.                                  |
| 75. | S.S. Spider & Patch fittings                                        | Dorma, Geze, Kaba.                                                     |
| 76. | Steel Primer                                                        | Shalimar, Nerolac, JSW, Birla Opus.                                    |
| 77. | Water Proof Ply Wood                                                | Archid, Kitply, Green ply, Anchor.                                     |
| 78. | Terrazzo tiles                                                      | Mehtab, Nitco, Raj tiles, Bharat                                       |
| 79. | Textured Exterior wall paint                                        | Mehtab, Nitco, Raj tiles, Bharat                                       |
| 80. | TMT Bars                                                            | SAIL, TATA STEEL LTD., RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD. |
| 81. | Towel Ring /Towel Rod/Towel Rack.                                   | Marc, Jaquar.                                                          |
| 82. | Toughened Glass                                                     | SCHOTT PYRAN-S, Saint Gobain, ASAHI.                                   |
| 83. | Under Counter Wash Basin                                            | Jaquar, Kohler, CERA.                                                  |
| 84. | UPVC Pipes                                                          | Prayag, Astral, Prince, Finolex.                                       |
| 85. | UPVC window                                                         | Fenesta, DURO PLAST, VEKA, Gealan Pvt. Ltd., Koemmerling.              |
| 86. | Vitrified Tiles                                                     | First quality full body tiles of Somany, Kajaria, Johnson, NITCO.      |
| 87. | Waste Pipe                                                          | Kamal with brass checknut, Viking, Payag.                              |
| 88. | Water Proofing Compound (Liquid)                                    | Sika, Fosroc, Pidilite, Cico, REYNO, Berger.                           |
| 89. | Water Proofing Membrane                                             | Sika, Fosroc, Pidilite, Asian, Berger                                  |
| 90. | Water proof Cement Paint                                            | Snowcem, Shalimar, Nerolac, JSW, Birla Opus.                           |
| 91. | Water proof Ply Wood                                                | Archid, Kitply, Green ply, Anchor.                                     |
| 92. | Wall Putty                                                          | Nerolac, J.K., Birla.                                                  |
| 93. | Wire mesh                                                           | Sterling, Trimurty welded mesh, A1 Teak                                |
| 94. | Wire mesh shutter                                                   | M/S A-1 Teak products Pvt. Ltd, MP wood, Jain wood, M.P. wood product  |
| 95. | White Cement                                                        | JK, Birla, Ultra-Tech                                                  |
| 96. | Wood Primer                                                         | Shalimar, Nerolac, JSW, Birla Opus.                                    |

Correction \_\_\_\_\_NIL\_\_\_\_\_ Insertion \_\_\_\_\_NIL\_\_\_\_\_

Omission \_\_\_\_\_NIL\_\_\_\_\_ Overwriting \_\_\_\_\_NIL\_\_\_\_\_

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| 97. | Wood Finish (Melamine & PU Polish) | NIPPON, Shalimar, Nerolac, JSW, Birla Opus.                  |
| 98. | WPC frames & door shutter          | Green Ply, Century, Rajshree, M/S A-1 Teak products Pvt. Ltd |

**Note:-**

1. The above makes are subjected to the compliance of Make in India norms.
2. The materials which are not included in the above list shall be approved by the NIT approving authority.

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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**GUARANTEE BOND TO BE EXECUTED BY CONTRACTOR**  
**FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER**  
**PROOFING WORKS.**

**(BASEMENT /LOWER GROUND FLOOR / UNDER GROUND TANK/ ROOF)**

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

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

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

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

Provided that the 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 any operation which will damage water proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof,
- b) Alteration shall mean construction of an additional storey or a part or construction adjoining to existing roof, where by water-proofing treatment is removed in parts :
- c) The decision of the Engineer-in-Charge with regard to cause of leakage shall be final.

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

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
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That if Guarantor fails to execute the water proofing or commits breach thereunder, then the Guarantor will indemnify the principal and his successors against all loss, damage, cost expense or otherwise which may be incurred by him by reason of any default on the part of GUARANTER in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and/or cost incurred by the Government, the decision of the Engineer-in-Charge will be final and binding on the parties.

**In addition, 10% (ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after Five monsoon seasons after the date of completion of the work, if the performances of the waterproofing work is satisfactory.**

IN WITNESS WHERE OF these presents have 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.

1. ....
2. ....

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA BY \_\_\_\_\_ in the presence of:

1. ....
2. ....

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |
| AE (P)             | / EE                |



**On non- Judicial stamp paper of minimum Rs. 100**

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

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

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

} O<sub>1</sub>

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

2. We, ..... (indicate the name of the bank) ..... (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. .... (Rupees ..... only) on demand by the Government within 10 days of the demand.
3. We, ..... (indicate the name of the Bank) ..... do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).
4. We, ..... (indicate the name of the Bank) ..... , further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

Correction.....NIL

Insertion.....NIL

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Overwriting.....NIL

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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 .....  
Name and address

Authorized signatory  
Name  
Designation  
Staff code no.  
Bank seal

2. Signature  
Name and address

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

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केन्द्रीय लोक निर्माण विभाग  
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 08.12.2023

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

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

| Existing Provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Modified Provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CONDITIONS OF CONTRACT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>CONDITIONS OF CONTRACT</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Definitions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Definitions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2. No change:-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| (i) to (xvii)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | (i) to (xvii) No Change                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| (xviii) No provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>(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.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clause 5 Time and Extension for Delay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Clause 5 Time and Extension for Delay</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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 remedy available in law. | 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 <b>and such default continues even after time period specified in the notice in writing by the Engineer-in-Charge then</b> the performance guarantee shall be forfeited by the Engineer-in-Charge and shall be absolutely at the disposal of the Government without prejudice to |

R.K. JAIN  
(EE (Contact))

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | any other right or remedy available in law.<br><b>The contract shall stand determined when such decision of forfeiture of the performance guarantee is issued to the contractor.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5.1 As soon as possible but within 7 (seven) working days of award of work and in consideration of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.1 <b>The contractor</b> as soon as possible but within 7 (seven) days of <b>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</b> consideration of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| a. Schedule of handing over of site as specified in the Schedule 'F'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | a. Schedule of handing over of site as specified in the Schedule 'F'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| b. Schedule of issue of designs as specified in the Schedule 'F',                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | b. Schedule of issue of design(s) and <b>drawing(s)</b> 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 <b>of receipt of such chart, make modifications thereafter, if any,</b> and communicate the approved <b>chart</b> to the contractor, failing which the <b>chart</b> 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 <b>time and progress chart</b> by the contractor, the <b>chart prepared by the</b> Engineer-in- Charge shall be deemed to be final.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

21/08/2023  
R.K. JAIN  
(EE (Contact))

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| <p>iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.</p> <p>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</p> <p>v. <b>No provision</b></p> | <p>iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract.</p> <p>iv. The contractor shall submit the Time and Progress Chart <b>containing upto date progress of work</b> using the mutually agreed software or in the format decided by Engineer-in-Charge. <b>Such chart shall be submitted by the contractor on or before 5<sup>th</sup> 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.</b></p> <p>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 :</p> <p>a) delays due to reasons beyond the control of both parties (sub-clause 5.2)</p> <p>b) delays attributable to the Department and concurrent delays (sub-clause 5.3).</p> <p>c) delays solely attributable to the contractor (sub-clause 5.5)</p> |
| <p><b>5.2</b></p> <p>If the work(s) be delayed by:-</p> <p>i. force majeure, or</p> <p>ii. abnormally bad weather, or</p> <p>iii. serious loss or damage by fire, or</p> <p>iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or</p> <p>v. delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in</p>                                                                                                                                                                                                                                                         | <p><b>5.2 Delays due to reasons beyond the control of both parties:</b></p> <p>If the work(s) delayed by:-</p> <p>i. force majeure, or</p> <p>ii. abnormally bad weather, or</p> <p>iii. serious loss or damage by fire, or</p> <p>iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or</p> <p>v. delay on the part of other contractors or tradesmen engaged by Engineer-in- Charge in</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

21/09/23  
R.K. JAIN (14/2023)  
(EE (Contact))

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| <p>executing work not forming part of the Contract, or</p> <p>vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control</p>                                                                                                                                                                                    | <p>executing work not forming part of the Contract, or</p> <p>vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>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.</p> | <p>Then upon the happening of any such event causing delay, the contractor shall <b>within 03 (three) days</b> give <b>online</b> notice thereof <b>through ERP Portal</b> 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).</p> <p><b>The contractor shall have no claim on account of any hindrance in case notice(s) are not given by the contractor through ERP portal.</b></p> <p><b>The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s)</b></p> <p><b>In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency.</b></p> <p><b>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.</b></p> <p><b>The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgement of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice.</b></p> <p><b>In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five)</b></p> |

  
**R.K. JAIN**  
 (EE (Contact))

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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<br><br>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. | <b>5.3 Delays attributable to the department</b><br><br>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.<br><br>The contractor shall not be entitled for any hindrance in case notice(s) are not given by the contractor through ERP portal.<br><br>The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s).<br><br>In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency.<br><br>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. |

21/07/2023  
R.K. JAIN  
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| Correction.....NIL | Insertion.....NIL   |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>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.</p> <p>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.</p> |
| 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 <b>shall have no claim of damages.</b>                                                                                                                                                                    |
| 5.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5.4 <b>Rescheduling of milestone(s) and 'extended date of completion'</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Request for rescheduling of Mile stones or extension of time, to be eligible for consideration, 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. | The request for rescheduling of Milestone(s) and extension of time, shall be made by the Contractor <b>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.</b> The Contractor shall indicate in such a request <b>number of days</b> 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                                                                                                                                                                                                                                                                                                          | <b>Deleted</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

21/04/2023  
R.K. JAIN  
(EE (Contract))

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of the work. A recovery as specified in Schedule 'F' shall be made on per day basis in case of delay in submission of the revised programme.

#### No provision

The authority as indicated in Schedule 'F', after examining the request, shall give a fair and reasonable extension of time for completion of work and simultaneously reschedule the milestone(s), if required so. The authority shall consider all the hindrances accepted as per sub-clauses 5.2, 5.3 and 5.5.

The authority shall decide rescheduling of milestone(s) and extension of time within 21 (Twenty One) days of the request submitted by the contractor through ERP portal. In event of no request by the contractor for rescheduling of milestone(s) and extension of time, the authority as indicated in Schedule F, after affording opportunity to the contractor, may give fair and reasonable extension of time based on hindrances accepted by Engineer-in-Charge and reschedule the milestone(s) once in a month. Such justified extension of time shall determine the 'extended date' of completion of work.

5.4.1 In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time for completion of work or reschedule the mile stones.

5.4.1 Provided that the end date of any event causing delay shall not fall beyond the date of request for extension of time or rescheduling of milestone(s) by the contractor. In case end date of event falls beyond the date of submission of said request, then period for extension up to date of application shall be considered in the said request for events eligible for consideration and remaining period shall be applied in subsequent request of extension of time or rescheduling of milestone(s).

E-in-C shall finalize/ reschedule a particular mile stone before taking an

Engineer-in-Charge shall finalize/ reschedule a particular mile stone

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| <p>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.</p> | <p>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 <b>(twenty one)</b> days of the date of receipt of such request from the Contractor <b>on ERP Portal.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <p>5.5</p> <p>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.</p>                                                 | <p><b>5.5 Delays attributable solely to the contractor</b></p> <p><b>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.</b></p> <p><b>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.</b></p> <p><b>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</b></p> |

21/08/2023  
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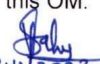
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|                                                                                                                                                                                                                                      | time required for completion of work without rescheduling of milestone(s) and extend the date of completion.                                                                                                     |
| <b>PROFORMA OF SCHEDULES</b><br>(Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)                                                                                                                      | <b>PROFORMA OF SCHEDULES</b><br>(Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders)                                                                                                 |
| <b>SCHEDULE 'F'</b>                                                                                                                                                                                                                  | <b>SCHEDULE 'F'</b>                                                                                                                                                                                              |
| <b>Clause 5</b><br><b>Authority to decide:</b>                                                                                                                                                                                       | <b>Clause 5</b>                                                                                                                                                                                                  |
| i. Extension of time .....<br>(Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)                                                                                       | i. <b>Authority to convey the decision of shifting of milestone and extension of time</b> ..... (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. <b>Authority to decide rescheduling of milestone and extension of time</b> ..... (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)।

  
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(EE (Contact))

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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                                                                                                                                                                                                                                                                                                                                               |
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| <b>CONDITIONS OF CONTRACT</b>                                                                                                                                                                                                                                                               | <b>CONDITIONS OF CONTRACT</b>                                                                                                                                                                                                                                                                                                                                    |
| <b>Definitions</b><br>2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-                                                                                                                 | <b>Definitions</b><br>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)                                                                                                                                                                                                                                                                               | (i) to (x) (a) <b>No change</b>                                                                                                                                                                                                                                                                                                                                  |
| (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 <b>previous day of the last date of submission of the tender.</b>                                            |
| (xi) to (xv)                                                                                                                                                                                                                                                                                | (xi) to (xv) <b>No change</b>                                                                                                                                                                                                                                                                                                                                    |
| (xvi) No provision                                                                                                                                                                                                                                                                          | (xvi) <b>Extra items</b> are those items which are not available in the contract.<br><br><b>a. Non Schedule Extra Items</b> are those items which are not available in the Standard Schedule of Rates specified in Schedule F.<br><b>b. Scheduled Extra Items</b> are those items which are available in the Standard Schedule of Rates specified in Schedule F. |
| (xvii) No provision                                                                                                                                                                                                                                                                         | (xvii) <b>Completion cost:</b> The completion cost includes gross amount of work done, amount of extra item(s) and deviation(s) and escalation amount admissible as per agreement etc.                                                                                                                                                                           |

  
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| (xviii) No provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (xviii) <b>Maintenance work:</b> Maintenance work(s) are those work(s) which includes upgradation, aesthetic improvement, special repair, addition/ alteration, annual repair, comprehensive maintenance work etc.                                                                                                                                                                                                                                     |
| <b>Clause 12 Deviations/ Variations Extent and Pricing</b><br><br>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. | <b>Clause 12 Deviations/ Variations Extent and Pricing</b><br><br><p style="text-align: center;">No change</p>                                                                                                                                                                                                                                                                                                                                         |
| 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.<br>Contractor will devise a system to keep a watch on quantum of work taken up vis-a-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid. |

  
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(E.E. (Contact))

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| times of contract amount with recorded reasons and take suitable corrective action.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Engineer-in-Charge will verify and confirm the alerts before assigning deviation(s) and / or extra item(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account.                                      |
| <p>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 :</p> <p>(i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus</p> <p>(ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge</p>                                                                                                                                                      | <p>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 :</p> <p>(i) In the proportion to the additional cost of work, bears to the original contract amount plus</p> <p>(ii) 25% of the time calculated in (i) above.</p> |
| <p><b>12.2 Deviation, Extra Items and Pricing</b></p> <p><b>Extra items are those which are not available in the contract.</b></p> <p>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.</p> <p>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</p> | <p><b>12.2 Deviation, Extra Items and Pricing</b></p> <p><b>Deleted</b></p> <p><b>Deleted</b></p>                                                                                                                                                                                                                                                                                            |

  
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estimated cost put to tender) plus/minus percentage above/ below worked out on the basis of overall contract amount and estimated cost of the work put to tender.

In the case of extra item(s) which are not available in the standard schedule of rates specified in Schedule F, the contractor may within fifteen days of the receipt of order or occurrence of the item(s), submit claim for market rate(s), supported with proper analysis of rate and manufacturer's specification for the work, invoices, vouchers, etc. (as applicable),

**(a) Non Schedule Extra Item(s)** - The contractor, shall within fifteen days of the receipt of order to execute extra item(s) or occurrence of the item(s), submit analysis of rate of extra item(s) based on the rate(s) of material(s) available in basic rate of Standard Schedule of Rate mentioned in schedule F and rate(s) of the material(s) based on tax paid bills which are not available in standard Schedule of Rate mentioned in schedule F. For this purpose, the basic rate of material(s) available in Schedule of Rate(s) mentioned in Schedule F will be enhanced or reduced by the applicable cost index, as the case may be.

The rate(s) of the material(s) which are not available in Standard Schedule of Rates, mentioned in Schedule F, shall be based on, tax paid bill(s) for the material(s) as defined in manufacturer's specification.

Material rate(s) from Standard Schedules of Rate(s) shall be given priority in the analysis of rate(s). The rate of extra item will be

- i. Analyzed rate(s) as above multiplied by (Contract amount divided by estimated cost put to tender), if tendered amount is below the estimated amount put to tender.
- ii. Analyzed rate, if the Contract amount is above the estimated amount put to tender.

failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.

Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.

  
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(EE (Contact))

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| <p>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.</p> | <p>Where the contractor submits <b>analysis of rate(s) of extra item(s)</b> in the manner prescribed above, the Engineer-in-Charge shall, within <b>60</b> days of the receipt of the <b>analysis of rate</b>, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rate(s) of <b>extra item(s)</b>. The contractor shall be paid in accordance with the rate(s) so determined.</p> <p>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.</p> <p>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).</p> |
| <p>(b) No Provision</p>                                                                                                                                                                                                                                                                                                                                                                                        | <p>(b) Scheduled Extra Items</p> <p>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.</p> <p>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).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

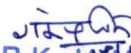
  
**R.K. JAIN**  
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| The rate(s) of extra items so determined by the Engineer-in-Charge shall be final and binding on the contractor, and shall not be arbitrable.                                                                                                                                                                                                                                                                                                                                                                                                                                  | The rate(s) of extra item(s) so determined by the Engineer-in-Charge shall be final and binding on the contractor.                                                                                                                                                               |
| <b>12.3 Deviation, Deviated Quantities, Pricing</b><br><br><b>All the deviated quantities shall be paid at agreement rates</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>12.3 No change</b>                                                                                                                                                                                                                                                            |
| <b>12.4</b> 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. | <b>12.4 No Change</b>                                                                                                                                                                                                                                                            |
| <b>12.5 No provision</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>12.5 Cost index</b><br>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).                                                                     |
| <b>12.6 No provision</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>12.6 Labour rates</b><br><br>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.                                                                                         |
| <b>PROFORMA OF SCHEDULES</b><br>(Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)<br><br><b>SCHEDULE 'E'</b><br><br>Reference to General Conditions of Contract                                                                                                                                                                                                                                                                                                                                                                                  | <b>PROFORMA OF SCHEDULES</b><br>(Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders)<br><br><b>SCHEDULE 'E'</b><br><br>Reference to General Conditions of Contract : (GCC EPC Projects 2022/ GCC Maintenance Works 2023/ GCC Construction Works 2023) |

  
**R.K. JAIN**  
 (EE (Contact))

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P) / EE

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

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))

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

/

EE

## केन्द्रीय लोक निर्माण विभाग

## कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/04

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 08.02.2024

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

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

| Existing provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Modified provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CONDITIONS OF CONTRACT</b><br><b>Definitions</b><br>2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-<br><br>(i) to (xix)<br><br>(xx) No provision<br><br>(xxi) No provision                                                                                                                                                                                                                                                                                                             | <b>CONDITIONS OF CONTRACT</b><br><b>Definitions</b><br>2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-<br><br>(i) to (xix) No change<br><br>(xx) Adolescent Person: A person who has completed his/her fourteenth year of age but has not completed his eighteenth year.<br><br>(xxi) Hazardous works: Hazardous process/works are the works as defined in the clause (cb) of the Factory Act, 1948. |
| <b>Clause 19 Labour Laws to be complied by the Contractor</b><br><br>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.<br><br>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.<br><br>The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979. | <b>Clause 19 Labour Laws to be complied by the Contractor</b><br><br>No change<br><br>No change<br><br>No change                                                                                                                                                                                                                                                                                                                                                                                           |

Correction.....NIL

Insertion.....NIL

Omission.....NIL

Overwriting.....NIL

AE (P)

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| <p>The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986.</p> <p>The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment &amp; Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.</p> <p>Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.</p> | <p>The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986, <b>amended by Amendment Act No. 35 of 2016 and thereafter time to time.</b></p> <p><b>No change</b></p> <p><b>No change</b></p>                              |
| <p>Clause 19A</p> <p>No labour below the age of eighteen years shall be employed on the work.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>Clause 19A</p> <p>No <b>person</b> below the age of <b>fourteen</b> years shall be employed on the work. <b>However Adolescent Persons can be employed on non-hazardous works/process.</b></p>                                                                                            |
| <p><b>C.P.W.D. Contractor's Labour Regulations</b></p> <p><b>2. DEFINITIONS</b></p> <p>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.</p> <p>No person below the age of 18 years shall be employed to act as a workman.</p>                                                                                                                                                                                                    | <p><b>C.P.W.D. Contractor's Labour Regulations</b></p> <p><b>2. DEFINITIONS</b></p> <p>i. (c)</p> <p>No change.</p> <p>No person below the age of <b>fourteen</b> years shall be employed on the <b>work. However Adolescent Persons can be employed on non-hazardous works/process.</b></p> |

This issues with the approval of DG CPWD.

  
08.02.2024  
(वी. पी. साहु)

अधीक्षण अभियंता(सी.एंड एम.)

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

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

AE (P)

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EE



**Central Public Works Department  
Office Memorandum**

**No. DG/CON/Maintenance 2023/05**

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD 61.03.2024

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>CONDITIONS OF CONTRACT</b></p> <p><b>Definitions</b><br/> <b>9. Signing of Contract:-</b> 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:-</p> <p>(i) to (iii)</p> <p>No Provision</p>                                                                                  | <p><b>CONDITIONS OF CONTRACT</b></p> <p><b>Definitions</b><br/> <b>9. Signing of Contract:-</b> 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:-</p> <p>(i) to (iii) No change</p> <p>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.</p> |
| <p><b>Clause 19 B Payment of Wages</b></p> <p>(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.</p> | <p><b>Clause 19 B Payment of Wages</b></p> <p>(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</p> <p>(ii) amended time to time.</p>                                                                                                                                                                                           |

R.K. JAIN  
(EE (Contact))

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P) / EE

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(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.</p> | <p>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 .</p> <p>(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, <b>Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii)</b> and the modifications thereof or any other laws relating thereto and the rules made there under from time to time.</p> |
| <p><b>Clause 20 Minimum Wages Act to be Complied With</b></p> <p>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.</p>                                                             | <p><b>Clause 20 Minimum Wages Act to be Complied With</b></p> <p>The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, <b>Gazette Notification 19.01.2017, S.O 188 (E) extra ordinary part 2 – sec. 3 (ii)</b> 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.</p>                                                                                                                                                                                                                                                                                                                                         |

This issues with the approval of DG CPWD.

*Sahu* 01.03.2024  
(V.P. Sahu)

Superintending Engineer (C&M)

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

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

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

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

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EE

**Central Public Works Department  
Office Memorandum**

**No. DG/CON/Maintenance 2023/06**

**ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD**

**NIRMAN BHAWAN, NEW DELHI**

**Dated: 01.03.2024**

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

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

| <b>Existing provision</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Modified provision</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 7 Payment on intermediate certificate to be regarded as Advances</b></p> <p>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.</p> <p>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.</p> <p>No provision</p> | <p><b>Clause 7 Payment on intermediate certificate to be regarded as Advances</b></p> <p>No change.</p> <p>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.</p> <p>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.</p> <p>Such payment by Engineer-in-Charge shall not be construed as waiver of limit specified in schedule 'F' for subsequent interim payment(s).</p> |

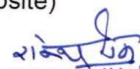
This issues with the approval of DG CPWD.

  
(V.P. Sahu)  
01.03.2024

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)

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

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

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EE



**Central Public Works Department  
Office Memorandum**

**No. DG/CON/Maintenance 2023/07**

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

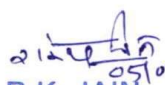
**NIRMAN BHAWAN, NEW DELHI**

**Dated: 05.03.2024**

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

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

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

  
**R.K. JAIN**  
 (EE (Contact))

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

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EE



**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 36</b> If relative working in CPWD then the contractor not allowed to tender</p> <p>The contractor shall not be <u>permitted</u> to tender for works in the CPWD circle <u>(Division in case of contractors of Horticulture/Nursery categories)</u> 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 <u>Superintending Engineer</u> and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working <u>with him in any capacity</u> or are subsequently employed by him and who are near relatives to any <u>Gazetted Officer in the C.P.W.D. or in the Ministry of Housing and Urban Affairs</u>. Any breach of this condition by the contractor would render him liable to be <u>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.</u></p> <p>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.</p> | <p><b>Clause 36</b> If relative working in CPWD then the contractor is not allowed to participate in the tendering process</p> <p>The contractor (<b>enlisted or non-enlisted in CPWD</b>) shall not be <b>allowed</b> to <b>participate in the</b> tender for work(s) in the CPWD Zone/circle /<b>Division/Sub-Division</b> 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 <b>Chief Engineer</b> 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 <b>working</b> in the <b>CPWD</b>. Any breach of this condition by the contractor would render him liable to be <b>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.</b></p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 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)

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P) / EE

**Central Public Works Department  
Office Memorandum**

**No. DG/CON/Maintenance 2023/09**

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

**NIRMAN BHAWAN, NEW DELHI**

Dated: 03-06-2024

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

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

| Existing provision                                                  | Modified provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Rules and Directions<br>Sl. No. 1 to 16<br><br>No Provision | General Rules and Directions<br><br>No Change<br><br><b>17. Price Preference to SC/ST individual contractor for _____ item _____ rate/percentage _____ rate tender:</b><br>Price preference in quoted item rate/percentage rate tender shall be applicable to the individual enlisted/non-enlisted SC/ST contractor as under:-<br><br>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).<br><br>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.<br><br>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<br><br>No Provision                                      | Schedule F<br><br>Price Preference to SC/ST individual contractor is valid upto ..... (date)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

This issues with the approval of DG CPWD.

(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  
EE (Contract)

|                    |                     |
|--------------------|---------------------|
| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

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EE

केन्द्रीय लोक निर्माण विभाग  
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/10  
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

**NIRMAN BHAWAN, NEW DELHI**

**Dated: 09.10.2024**

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

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

| Existing provision                                                                                                                                    | Modified provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 10A Materials to be provided by the contractor</b></p> <p>The contractor shall ..... as specified in Schedule F.</p> <p>No Provision</p> | <p><b>Clause 10A Materials to be provided by the contractor</b></p> <p>(i) No Change</p> <p>(ii) Maintenance of Material at Site (MAS) Register</p> <p>(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.</p> |
| <p>(b) No provision</p>                                                                                                                               | <p>(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.</p>                                                                                                                                                                                                                                                                                                                       |

R K SINGH  
EE(Manual)

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Correction.....NIL

Insertion.....NIL

Omission.....NIL

Overwriting.....NIL

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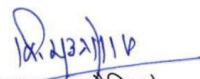


**Appendix-XX**  
**REGISTER OF MATERIAL AT SITE (MAS)**

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 where Plants 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)

  
 R.K. SINGH  
 EE(Manual)



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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

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केन्द्रीय लोक निर्माण विभाग  
कार्यालय ज्ञापन

No. DG/CON/Maintenance-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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 10A: Materials to be provided by the Contractor</b></p> <p>(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.</p> <p>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.</p> <p style="text-align: center;"><b>No Provision</b></p> | <p style="text-align: center;"><b>No Change</b></p> <p><b>Field Laboratory:</b> 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.</p> <p><b>External Laboratory:</b> 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.</p> <p>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</p> |

RK SINGH  
EE(Manual)

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| Correction.....NIL | Insertion.....NIL   |
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| No Provision             | <p>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.</p> <p>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.</p> |
| 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.

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

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

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

R K SINGH  
EE(Manual)

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Correction.....NIL      Insertion.....NIL  
Omission.....NIL      Overwriting.....NIL

AE (P) / EE



**केन्द्रीय लोक निर्माण विभाग  
कार्यालय झापन**

**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicable for Item Rate Tender only (CPWD - 8)</b><br>4 The rates ..... rupee one.<br><br>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.<br><br>If the revised ..... their tenders.<br>In case of any ..... be forfeited.<br>In case all ..... lowest contractors.<br>Contractor ..... of the work. | <b>Applicable for Item Rate Tender only (CPWD - 8)</b><br>4 No change<br><br>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 <b>revised price bid online using e-tender website</b> , quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, <b>on the revised template which has been sent to them by the Tender Inviting Authority (TIA)</b> , 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.<br><br>No change |
| <b>Applicable for Percentage Rate Tender only [CPWD- 7]</b><br>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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Applicable for Percentage Rate Tender only [CPWD- 7]</b><br>4B In case the lowest tendered amount (estimated cost $\pm$ amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit <b>revised price bid online quoting percentage above/</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

  
 R K SINGH  
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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

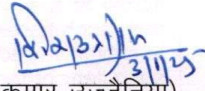
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| percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage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

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)**

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

  
R K SINGH  
EE(Manual)

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |



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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 7A</b></p> <p>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.</p> | <p><b>Clause 7A</b></p> <p>(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.</p> <p>(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:-</p> <ol style="list-style-type: none"> <li>1. Details of person employed with date of their employment up to previous month.</li> <li>2. Documents of payment made to the employees directly into their bank accounts up to previous month.</li> <li>3. Documents of attendance through biometric attendance or other mode up to previous month.</li> <li>4. Documents of deposition of EPF and ESI deductions in the employee's accounts up to previous month.</li> <li>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.</li> <li>6. Any other document(s) required as per statutory requirements and/or as directed by Engineer-in-Charge.</li> </ol> <p>(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.</p> |

This issues with the approval of DG, CPWD.

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)

R K SINGH  
EE(Manual)

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

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**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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clause 7</b><br>Existing provisions<br><br>No provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Clause 7</b><br>No change<br><br><b>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.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clause 8 Completion Certificate</b><br><br>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.<br><br>But no final certificate ..... sum actually realized by the sale thereof. | <b>Clause 8 Completion Certificate</b><br><br>Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and <b>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.</b><br><br><b>No change.</b> |

*R K SINGH*  
10.2.25  
R K SINGH  
EE(Manual)

Page 1 of 3

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

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**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.

*[Signature]* 10.2.25  
R K SINGH  
EE (Manual)

**Clause 9 Payment of Final Bill**

- 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

Page 2 of 3

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| Correction.....NIL | Insertion.....NIL   |
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| <p>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.</p> | <p>charge, will, be made within the period of three months. The period of <b>three months will be</b> reckoned from the date of receipt of the bill <b>in complete shape after necessary corrections / additional documents</b>, by the Engineer-in-Charge.</p> <p>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.</p> <p>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) &amp; (iv) above.</p> |
| <p><b>Schedule F</b></p> <p><b>Clause 8</b></p> <p>No Provision</p>                                                                                                                                                                                                                                                                                                                                  | <p><b>Schedule F</b></p> <p><b>Clause 8</b></p> <p><b>Competent Authorities to inspect and issue completion certificate .....</b></p> <p><b>(To be filled by NIT approving authority).</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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)

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

*R K SINGH*  
R K SINGH  
EE(Manual)

Page 3 of 3

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

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केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/15

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

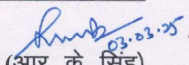
Dated: 03.03.2025

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Clause 14 Carrying out part work at risk &amp; cost of contractor</b><br><br>If contractor:<br><br>(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 :<br>(a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or<br>(b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor. | <b>Clause 14 Carrying out part work at risk &amp; cost of contractor</b><br><br>If contractor:<br><br>(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 :<br>(a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or<br>(b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor. <b>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).</b> |

This issues with the approval of DG, CPWD.

  
 (आर. के. सिंह)

कार्यपालक अभियन्ता (एम.)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file-9184028 (DFA/9319526)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।

(केलोनवि वेबसाईट के माध्यम से)

R K SINGH  
EE(Manual)

Correction.....NIL Insertion.....NIL

Omission.....NIL Overwriting.....NIL

AE (P)

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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 25.2</b><br/><b>(b) Qualification of Arbitrators:</b> 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).</p> <p>The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator.</p> <p>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.</p> | <p><b>Clause 25.2</b><br/><b>(b) Qualification of Arbitrators:</b> It is a term of this contract that each member of the Arbitral Tribunal shall be Graduate Engineer <b>(in Civil or Electrical or Mechanical Engineering)</b> with experience in execution of public works engineering contracts and he should have worked earlier at a level not lower than the SAG <b>(Level 14 of 7<sup>th</sup> CPC)</b> of the Government of India).</p> <p>The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator.</p> <p>The age of Arbitrator at the time of appointment shall not exceed <b>70 years</b>.</p> |
| <p><b>Clause 25.6</b><br/><b>Fee payable to Arbitrator(s):</b> 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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p><b>Clause 25.6</b><br/><b>Fee payable to Arbitrator(s) for arbitration cases, shall be as per the fee given in the fourth schedule of the Arbitration &amp; Conciliation Act, 1996 (or latest amendment), and shall be shared equally by both the parties.</b></p>                                                                                                                                                                                                                                                                                                                                                                                          |

This issues with the approval of DG, CPWD.

चन्द्र पाल  
(चन्द्र पाल) 16/06/2025

अधीक्षण अभियंता (सी. एंड एम.)

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

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

*R K SINGH*  
16.06.25  
R K SINGH  
EE(Manual)

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

AE (P)

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EE



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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 19 L Contribution of EPF and ESI</b></p> <p>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 &amp; 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</p> | <p><b>Clause 19 L Contribution of EPF and ESI</b></p> <p><b>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.</b> 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 deployed labour will be done through biometric attendance system or any other suitable method by the Engineer in Charge. <b>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.</b> The applicable and eligible amount of EPF &amp; 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</p> |

This is issued with the approval of DG CPWD.

अधीक्षण अभियंता

(चयन, आ. नि. वि. (सी. एन्ड. एम.)  
Director Genl. SE (C&M)

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

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

D.P. Jindal  
EE (Contract)

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

AE (P) / EE



केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/18

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

VIDYUT BHAWAN, NEW DELHI

Dated: 27.02.2026

Subject: Modifications in General Rules &amp; 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                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Rules &amp; Directions</b><br><br>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. ....                                                                                                                                                                                                                                        | <b>General Rules &amp; Directions</b><br><br>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. ....                                                                                                                                                                                                                                        |
| <b>Clause 1</b><br><br><b>Performance Guarantee</b><br><br>(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. .... | <b>Clause 1</b><br><br><b>Performance Guarantee</b><br><br>(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                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SCHEDULE 'E'</b><br><br>Reference to General Conditions of contract<br><br>Sl. No. (i)                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>SCHEDULE 'E'</b><br><br>Reference to General Conditions of contract<br><br>No change                                                                                                                                                                                                                                                                                                                                                                                |

12/1/26  
D.P. Jindal  
EE (Contract)

Correction.....NIL      Insertion.....NIL  
Omission.....NIL      Overwriting.....NIL

AE (P) / EE

This issues with the approval of DG, CPWD.

Placed 27.02.2026  
चन्द्रपाल (सी.एण्ड.एम.)  
(Chander Pal SE (C&M))

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

  
 D.P. Jindal  
 EE (Contract)

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|-----------------|------------------|
| Correction__NIL | Insertion____NIL |
| Omission____NIL | Overwriting_NIL  |
| AE (P)          | / EE             |

केन्द्रीय लोक निर्माण विभाग  
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/19

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 25.03.2026

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

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

| Existing provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Modified provision                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal</b></p> <p>Engineer-in-Charge ..... with the contract.</p> <p>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.</p> <p>In case of EMB, ..... calendar month.</p> | <p><b>Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal</b></p> <p>Engineer-in-Charge ..... with the contract.</p> <p>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 <b>either</b> by contractor <b>or jointly by department and contractor as specified in Schedule F</b> 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 20<sup>th</sup> day of every calendar month..</p> <p><b>No change.</b></p> |

Page 1 of 3

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

Correction.....NIL Insertion.....NIL  
Omission.....NIL Overwriting.....NIL

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

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25/3/21  
D.P. Jindal  
EE (Contract)

Page 2 of 3

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

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

This issues with the approval of DG, CPWD.

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

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

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

1.2/251316

D.P. Jindal  
EE (Contract)

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

### **SCHEDULE OF QUANTITIES**

**Name of Work : A/R & M/O to Non-Residential Building at N.S. Building Campus, Civil Lines, Nagpur During 2026-27**

| <b>Item No.</b> | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Unit</b> | <b>Qty.</b> | <b>DSR 2023 Rate</b> | <b>Amount in Rs.</b> |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|----------------------|----------------------|
| <b>1</b>        | <b>EARTH WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |                      |                      |
| 1.1             | Excavating trenches by mechanical / manual means of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m: |             |             |                      |                      |
| 1.1.1           | All kinds of soil                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |                      |                      |
| 1.1.1.1         | Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia                                                                                                                                                                                                                                                                                                                                                                                                  | metre       | 10.00       | 352.15               | 3522.00              |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |             |                      |                      |
| <b>2</b>        | <b>CEMENT CONCRETE (CAST IN SITU)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |             |                      |                      |
| 2.1             | 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           | 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)                                                                                                                                                                                                                                                                                                                   | cum         | 0.50        | 7878.50              | 3939.00              |
| 2.1.2           | 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)                                                                                                                                                                                                                                                                                                                 | cum         | 1.00        | 6518.60              | 6519.00              |

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| Correction.....NIL | Insertion.....NIL   |
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| 2.2      | Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:                                                                                                                        |                              |       |         |          |
| 2.2.1    | 1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded <b>Brick Aggregates 40 mm</b> ).                                                                                                                                                                                                                                                                                                                                                                                                      | cum                          | 2.00  | 7125.45 | 14251.00 |
| 2.3      | Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.                                                                                                                                                                                                                                                                                                                                                                           | per bag of 50 kg cement used | 11.00 | 18.15   | 200.00   |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |       |         |          |
| <b>3</b> | <b>CLADDING WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |       |         |          |
| 3.1      | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. |                              |       |         |          |
| 3.1.1    | Granite stone slab of colour black, Cherry/Ruby red                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |       |         |          |
| 3.1.1.1  | Area of slab upto 0.50 sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | sqm                          | 2.00  | 5413.50 | 10827.00 |
| 3.1.1.2  | Area of slab over 0.50 sqm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | sqm                          | 5.00  | 5136.30 | 25682.00 |
| 3.2      | Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.                                                                                                                                                                                                                                                                                                                                | metre                        | 6.00  | 568.55  | 3411.00  |

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

AE (P)

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| 3.3      | Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.                                                                                                                                                                                                                        | each | 8.00  | 978.70  | 7830.00  |
| 3.4      | Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. | sqm  | 55.00 | 1267.95 | 69737.00 |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |       |         |          |
| <b>4</b> | <b>WOOD AND P. V. C. WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |       |         |          |
| 4.1      | <b>Supplying</b> aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width from 700 mm), with necessary accessories and screws etc. complete.                                                                                                                                                                                                                                                           | each | 20.00 | 929.60  | 18592.00 |
| 4.2      | <b>Supplying</b> aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :                                                                                                                                                                                                                                                                                                   |      |       |         |          |
| 4.2.1    | 300x16 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | each | 6.00  | 212.80  | 1277.00  |
| 4.2.2    | 250x16 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | each | 10.00 | 172.90  | 1729.00  |
| 4.3      | <b>Supplying</b> aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade.                                                                                                                                                                                                                                                                                                                                             |      |       |         |          |
| 4.3.1    | 300x10 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | each | 10.00 | 81.10   | 811.00   |

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| Correction_____NIL | Insertion_____NIL   |
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| 4.4   | <b>Supplying</b> aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |       |        |         |
| 4.4.1 | 125 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | each  | 12.00 | 44.55  | 535.00  |
| 4.5   | <b>Supplying</b> aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |        |         |
| 4.5.1 | Twin rubber stopper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | each  | 16.00 | 58.50  | 936.00  |
| 4.6   | Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitered at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.                                                                                                                                                                                                   | metre | 10.00 | 492.70 | 4927.00 |
| 4.7   | Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. |       |       |        |         |

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| Correction.....NIL | Insertion.....NIL   |
| Omission.....NIL   | Overwriting.....NIL |

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|          | Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. |     |        |         |          |
| 4.7.1    | 30 mm thick plain PVC door shutters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | sqm | 7.00   | 3182.95 | 22281.00 |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |        |         |          |
| <b>5</b> | <b>STEEL WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |        |         |          |
| 5.1      | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.                                                                                                                                                                                                                                                                                                                                                                                                                                           | kg  | 715.00 | 133.70  | 95596.00 |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |        |         |          |
| <b>6</b> | <b>FLOORING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |        |         |          |
| 6.1      | Providing and laying Ceramic glazed <b>Matt Finish</b> floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.                                                                                                                                                                                                   | sqm | 30.00  | 1096.55 | 32897.00 |

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| 6.2      | Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. |       |       |         |          |
| 6.2.1    | Glazed vitrified floor tiles polished finish of size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |       |         |          |
| 6.2.1.1  | Size of Tile 600 x 600 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | sqm   | 20.00 | 1502.75 | 30055.00 |
| 6.3      | Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.                                                                                                                                                                                                                             |       |       |         |          |
| 6.3.1    | Size of Tile 600x600 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | sqm   | 2.00  | 1623.05 | 3246.00  |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |         |          |
| <b>7</b> | <b>ROOFING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |       |         |          |
| 7.1      | Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |       |         |          |
| 7.1.1    | 110 mm diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | metre | 30.00 | 377.40  | 11322.00 |

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| 7.2      | Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.                                                                |      |         |        |           |
| 7.2.1    | Bend 87.5°                                                                                                                                                                                                                                                                                                                          |      |         |        |           |
| 7.2.1.1  | 110 mm bend                                                                                                                                                                                                                                                                                                                         | each | 3.00    | 150.35 | 451.00    |
| 7.2.2    | Shoe (Plain)                                                                                                                                                                                                                                                                                                                        |      |         |        |           |
| 7.2.2.1  | 110 mm Shoe                                                                                                                                                                                                                                                                                                                         | each | 3.00    | 131.85 | 396.00    |
| 7.3      | Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. |      |         |        |           |
| 7.3.1    | 110 mm                                                                                                                                                                                                                                                                                                                              | each | 6.00    | 371.30 | 2228.00   |
|          |                                                                                                                                                                                                                                                                                                                                     |      |         |        |           |
| <b>8</b> | <b>FINISHING</b>                                                                                                                                                                                                                                                                                                                    |      |         |        |           |
| 8.1      | Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.                                                                                                                                     | sqm  | 750.00  | 156.05 | 117038.00 |
| 8.2      | Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.                                                           |      |         |        |           |
| 8.2.1    | One coat                                                                                                                                                                                                                                                                                                                            | sqm  | 1500.00 | 95.45  | 143175.00 |
| 8.2.2    | Two coats                                                                                                                                                                                                                                                                                                                           | sqm  | 2000.00 | 142.80 | 285600.00 |

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| 8.3      | Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | sqm   | 750.00   | 25.15  | 18863.00 |
| 8.4      | Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |        |          |
| 8.4.1    | One or more coats on old work                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | sqm   | 225.00   | 102.80 | 23130.00 |
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |          |        |          |
| <b>9</b> | <b>REPAIRS TO BUILDING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |          |        |          |
| 9.1      | Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |          |        |          |
| 9.1.1    | With cement mortar 1:4 (1 cement : 4 fine sand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | sqm   | 6.00     | 547.40 | 3284.00  |
| 9.2      | Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account) | litre | 26000.00 | 0.50   | 13000.00 |

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| 9.3 | Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150 mm dia upto 300 mm                                                                                                                                                                                                          | metre   | 100.00 | 340.75  | 34075.00  |
| 9.4 | Cleaning of under ground sump, Over Head R.C.C. Tank ( independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of silt and other deposits. (ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. (iii) Chlorination of RCC internal surface by liquid chlorine. (iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. (v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge. | sqm     | 110.00 | 84.85   | 9334.00   |
| 9.5 | Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | sqm     | 50.00  | 3.45    | 173.00    |
| 9.6 | Providing services of <b>PLUMBER</b> for day to day maintenance and other related work at <b>N.S. Building</b> service centre during working hours and as per required as per direction of Engineer-in-Charge. All required tools to be arranged by Contractor as required (Sunday and National holiday not be measured for payment). Each complaint shall be attended within 3 days from the date of entry in complaint register. Recovery shall be made for delay if any at the rate of Rs. 150/- (Rupees One Hundred and Fifty only) per day of delay upto maximum of 5 days.                                                                                                                                                                    | Per Day | 100.00 | 1160.85 | 116085.00 |

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| 9.7 | Providing services of <b>SEWERMEN</b> for day to day maintenance and other related work <b>N.S. Building</b> service centre during working hours and as per required as per direction of Engineer-in-Charge. All required tools to be arranged by Contractor as required (Sunday and National holiday not be measured for payment). Each complaint shall be attended within 3 days from the date of entry in complaint register. Recovery shall be made for delay if any at the rate of Rs. 150/- (Rupees One Hundred and Fifty only) per day of delay upto maximum of 5 days.     | Per Day | 100.00 | 1047.05 | 104705.00 |
| 9.8 | Providing services of <b>CARPENTER</b> for day to day maintenance and other related work at <b>N.S. Building</b> service centre during working hours and as per required as per direction of Engineer-in-Charge. All required tools to be arranged by Contractor as required (Sunday and National holiday not be measured for payment). Each complaint shall be attended within 3 days from the date of entry in complaint register. Recovery shall be made for delay if any at the rate of Rs. 150/- (Rupees One Hundred and Fifty only) per day of delay upto maximum of 5 days. | Per Day | 100.00 | 1160.85 | 116085.00 |
| 9.9 | Providing services of <b>BELDAR</b> for day to day maintenance and other related work <b>N.S. Building</b> service centre during working hours and as per required as per direction of Engineer-in-Charge. (Sunday and National holiday not be measured for payment). Each complaint shall be attended within 3 days from the date of entry in complaint register. Recovery shall be made for delay if any at the rate of Rs. 150/- (Rupees One Hundred and Fifty only) per day of delay upto maximum of 5 days.                                                                   | Per Day | 200.00 | 1047.05 | 209410.00 |

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| <b>10</b> | <b>DISMANTLING AND DEMOLISHING</b>                                                                                                                                                                                                                                                                           |      |       |         |         |
| 10.1      | Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.                                                                                                                                                       |      |       |         |         |
| 10.1.1    | Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)                                                                                                                                                                                                                                       | cum  | 2.00  | 1503.60 | 3007.00 |
| 10.2      | Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :                                                                                                                                      |      |       |         |         |
| 10.2.1    | Of area 3 sq. metres and below                                                                                                                                                                                                                                                                               | each | 4.00  | 367.20  | 1469.00 |
| 10.3      | Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :                                                                                                                                                                                          |      |       |         |         |
| 10.3.1    | Of area 3 sq. metres and below                                                                                                                                                                                                                                                                               | each | 2.00  | 143.50  | 287.00  |
| 10.4      | Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.                                                                                                                                                                                           |      |       |         |         |
| 10.4.1    | For thickness of tiles 10 mm to 25 mm                                                                                                                                                                                                                                                                        | sqm  | 20.00 | 73.40   | 1468.00 |
| 10.5      | Dismantling of <b>Old WC Pan, Wash Basin</b> , flushing cistern of all types (C.I./PVC/ Vitreous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.                                                                                  | each | 4.00  | 112.05  | 448.00  |
| 10.6      | Dismantling old plaster, <b>wall tile</b> or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.                                                                                                                      | sqm  | 63.00 | 54.65   | 3443.00 |
| 10.7      | 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. | cum  | 15.00 | 263.95  | 3959.00 |

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| <b>11</b> | <b>SANITARY INSTALLATIONS</b>                                                                                                                                                                                                                                                                                                                                                         |      |       |         |          |
| 11.1      | Providing and fixing white vitreous China pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : |      |       |         |          |
| 11.1.1    | W.C. pan with ISI marked white solid plastic seat and lid                                                                                                                                                                                                                                                                                                                             | each | 2.00  | 6515.55 | 13031.00 |
| 11.2      | Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:                                                                                                                                                        |      |       |         |          |
| 11.2.1    | White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps                                                                                                                                                                                                                                                                                           | each | 2.00  | 2301.75 | 4604.00  |
| 11.3      | <b>Supplying</b> P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.                                                                                                                                                                                                                   |      |       |         |          |
| 11.3.1    | 10 litre capacity - White                                                                                                                                                                                                                                                                                                                                                             | each | 5.00  | 825.85  | 4129.00  |
| 11.4      | Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.                                                                                                                                                                                                                             | each | 4.00  | 1648.95 | 6596.00  |
| 11.5      | <b>Supplying</b> P.V.C. waste pipe for sink or wash basin of length not less than 700 mm including P.V.C. waste fittings (complete set).                                                                                                                                                                                                                                              |      |       |         |          |
| 11.5.1    | Semi rigid pipe                                                                                                                                                                                                                                                                                                                                                                       |      |       |         |          |
| 11.5.1.1  | 32 mm dia                                                                                                                                                                                                                                                                                                                                                                             | each | 50.00 | 35.90   | 1795.00  |

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| 11.6      | <b>Supplying</b> 600x450 mm beveled edge mirror of superior glass (of approved make and quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers (complete set).                                                                                                                                                                                                                                                                                                   | each  | 10.00 | 642.95 | 6430.00  |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |       |        |          |
| <b>12</b> | <b>WATER SUPPLY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |        |          |
| 12.1      | Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the walls etc. |       |       |        |          |
| 12.1.1    | 20 mm nominal dia Pipes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | metre | 30.00 | 537.60 | 16128.00 |
| 12.2      | Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall                                                                                                                                                                                                                                                                                                                                                                |       |       |        |          |
| 12.2.1    | 15 mm dia nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | metre | 10.00 | 366.40 | 3664.00  |
| 12.3      | <b>Supplying</b> gun metal gate valve with C.I. wheel of approved make and quality (screwed end) :                                                                                                                                                                                                                                                                                                                                                                                                                      |       |       |        |          |
| 12.3.1    | 25 mm nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | each  | 3.00  | 550.25 | 1651.00  |
| 12.3.2    | 20 mm nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | each  | 2.00  | 476.10 | 952.00   |
| 12.4      | <b>Supplying</b> uplasticised PVC connection pipe with brass unions :                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |       |        |          |
| 12.4.1    | 45 cm length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |       |        |          |
| 12.4.1.1  | 15 mm nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | each  | 20.00 | 50.55  | 1011.00  |

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| 12.5    | Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. | per litre | 8000.00 | 11.00  | 88000.00 |
| 12.6    | <b>Supplying</b> C.P. brass bib cock of approved make and quality conforming to IS:8931 :                                                                                                                                                                                  |           |         |        |          |
| 12.6.1  | 15 mm nominal bore                                                                                                                                                                                                                                                         | each      | 15.00   | 438.85 | 6583.00  |
| 12.7    | <b>Supplying</b> C.P. brass long body bib cock of approved make and quality conforming to IS standards and weighing not less than 690 gms.                                                                                                                                 |           |         |        |          |
| 12.7.1  | 15 mm nominal bore                                                                                                                                                                                                                                                         | each      | 10.00   | 704.80 | 7048.00  |
| 12.8    | <b>Supplying</b> C.P. brass angle valve for basin mixer and geyser points of approved make and quality conforming to IS:8931                                                                                                                                               |           |         |        |          |
| 12.8.1  | 15 mm nominal bore                                                                                                                                                                                                                                                         | each      | 10.00   | 502.70 | 5027.00  |
| 12.9    | <b>Supplying</b> C.P. Brass extension nipple (size 15 mm x 50 mm) of approved make and quality as per direction of Engineer-in-Charge.                                                                                                                                     | each      | 20.00   | 61.15  | 1223.00  |
| 12.10   | <b>Supplying</b> PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.                                                                                                                            |           |         |        |          |
| 12.10.1 | 15 mm nominal bore, 105 mm long, weighing not less than 138 gms                                                                                                                                                                                                            | each      | 5.00    | 105.05 | 525.00   |
| 12.10.2 | 25 mm nominal bore, 152 mm long, weighing not less than 440 gms                                                                                                                                                                                                            | each      | 5.00    | 392.30 | 1962.00  |

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| <b>13</b> | <b>DRAINAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |       |          |          |
| 13.1      | Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |       |          |          |
| 13.1.1    | 150 mm dia. R.C.C. pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | metre | 10.00 | 556.45   | 5565.00  |
| 13.2      | Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : |       |       |          |          |
| 13.2.1    | Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |       |          |          |
| 13.2.1.1  | With common burnt clay F.P.S. (non modular) bricks of class designation 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | each  | 2.00  | 12770.55 | 25541.00 |

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| <b>14</b> | <b>ALUMINIUM WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |       |         |          |
| 14.1      | Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.                                                                                                                                                                                   |       |       |         |          |
| 14.1.1    | With stainless steel cover plate minimum 1.25 mm thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | each  | 15.00 | 2823.85 | 42358.00 |
| 14.2      | Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |       |         |          |
| 14.2.1    | Upto 5 mm depth and 5 mm width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | metre | 40.00 | 96.75   | 3870.00  |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |       |         |          |
| <b>15</b> | <b>WATER PROOFING</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |       |         |          |
| 15.1      | Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry. | sqm   | 5.00  | 617.05  | 3085.00  |

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| 15.2      | Grading roof for water proofing treatment with                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |        |          |                     |
| 15.2.1    | Cement mortar 1:3 (1 cement : 3 coarse sand)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | cum  | 1.20   | 16112.10 | 19335.00            |
| 15.3      | Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer- in-Charge. | sqm  | 120.00 | 563.10   | 67572.00            |
|           | <b>Total DSR (SH : 1 to SH : 15) ---- (A)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |        |          | <b>19,18,920.00</b> |
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |        |          |                     |
| <b>16</b> | <b>MISC. WORK</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |        |          |                     |
| 16.1      | <b>Supplying</b> C.P. brass two way bib cock with flange and C.P. Brass Health Faucet with 1 metre long Stainless Steel tube and wall hook of approved make (Complete Set) as per direction of Engineer-in-Charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |        |          |                     |
| 16.1.1    | 15 mm nominal bore                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | each | 10.00  | 5617.20  | 56172.00            |
| 16.2      | <b>Supplying</b> Urinal Valve Auto Closing System with Built-in Control Cock & Wall Flange with necessary fittings arrangement of approved quality and make as per direction of Engineer-in-charge.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | each | 5.00   | 3364.40  | 16822.00            |

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| 16.3 | Removing sapling / trees from walls of the building including removing roots and repairs to damage to the wall with cement mortar 1:4 (1 cement : 4 coarse sand) including Scaffolding & Jhullas etc. as per direction of Engineer-in-Charge. | each | 50.00 | 168.75 | 8438.00             |
|      | <b>Sub-Total - 16 : ----- (B)</b>                                                                                                                                                                                                             |      |       |        | <b>81,432.00</b>    |
|      | <b>Total Rs. (A+B)</b>                                                                                                                                                                                                                        |      |       |        | <b>20,00,352.00</b> |
|      | <b>Modified Estimated Cost After using Correction Factor on DSR-2023 on account of GST @0.973 (OM Vide letter No. 158/SE(TAS)/GST/2024/02-E Dated 08.08.2024) on (A) i.e. (19,18,920.00x 0.973) = 18,67,109.00 ----- (C)</b>                  |      |       |        | <b>18,67,109.00</b> |
|      | <b>Apply Cost Index @ 11% (111 Cost Index for Nagpur w.e.f. 01-04-2025 Based on DPAR-2023 = (111 - 100)/100x100 = 11.00% on DSR items i.e. (18,67,109.00 *11%) =2,05,382.00 ----- (D)</b>                                                     |      |       |        | <b>2,05,382.00</b>  |
|      | <b>Grand Total Rs. (B+C+D)</b>                                                                                                                                                                                                                |      |       |        | <b>21,53,923.00</b> |

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## PRICE BID

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|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  | <b>केंद्रीय लोक निर्माण विभाग</b><br><b>Central Public Works Department</b>                                         |                    |
| <b>एन.आय.टी. नं. :</b><br><b>N.I.T. No:</b>                                       | <b>20/EE/NAGPUR-II/2026-27</b>                                                                                      |                                                                                                       |
| <b>लाइन नं।</b><br><b>Line No</b>                                                 | <b>1</b>                                                                                                            |                                                                                                       |
| <b>कार्य का नाम</b><br><b>Name of Work/Description</b>                            | <b>A/R &amp; M/O to <u>Non-Residential Building</u> at N.S. Building Campus, Civil Lines, Nagpur During 2026-27</b> |                                                                                                       |
| <b>मात्रा की अनुसूची</b><br><b>SCHEDULE OF QUANTITY</b>                           |                                                                                                                     |                                                                                                       |
| <b>ठेकेदार का नाम</b><br><b>Name of the Contractor</b>                            |                                                                                                                     |                                                                                                       |
| <b>क्रम संख्या</b><br><b>Sl.No.</b>                                               | <b>घटक का नाम</b><br><b>Name of Component</b>                                                                       | <b>अनुमानित लागत</b><br><b>Estimated cost</b>                                                         |
|                                                                                   |                                                                                                                     | <b>अनुमानित लागत से ऊपर या नीचे का प्रतिशत</b><br><b>Percentage above or below the estimated cost</b> |
|                                                                                   |                                                                                                                     | <b>% अंकों में</b><br><b>% in Figures</b>                                                             |
|                                                                                   |                                                                                                                     | <b>कुल लागत</b><br><b>Total Cost</b>                                                                  |
| 1                                                                                 | CIVIL WORK                                                                                                          | 21,53,923.00                                                                                          |
|                                                                                   |                                                                                                                     |                                                                                                       |
|                                                                                   |                                                                                                                     |                                                                                                       |
|                                                                                   | <b>कुल योग</b><br><b>Grand Total</b>                                                                                | 21,53,923.00                                                                                          |
|                                                                                   |                                                                                                                     |                                                                                                       |
|                                                                                   |                                                                                                                     |                                                                                                       |

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