

निविदा आमंत्रण सूचना :- 22/EE/U-Divn./2026-27/1
 Notice Inviting e-Tender No. :-

तकनीकी स्वीकृति सं०:

Technical Sanction No :- 16/EE/U-Div/AE-1/2026-27

कार्य का नाम :-

Name of Work:- Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)

अनुमानित लागत	:-	}	
Estimated cost	:-		
धरोहर राशि	:-	}	
Earnest Money	:-		
प्रतिभुति – निक्षेप राशि	:-	}	
Security Deposit	:-		
कार्य पूरा होने की अवधि	:-	}	
Time Allowed	:-		
			Rs. 57,91,022/-
			Rs. 1,15,820/-
			2.5% of the tendered Value
			03 Months

Certified that NIT contains 1 to 122 pages

स० अभि/यो०/A.E(P)

का० अभि० /E.E.

CENTRAL PUBLIC WORKS DEPARTMENT

Name of work:- Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)

NIT No.: 22/EE/U-Divn./2026-27/1

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This NIT containing page 01 to 121 approved for Rs. 57,91,022/- (Rupees Fifty-Seven Lakh Ninety-One Thousand Twenty-Two only).

स० अभि/यो०/A.E(P)

का० अभि० /E.E.

केन्द्रीय लोक निर्माण विभाग ई-टेन्डर्स आमंत्रण सूचना

(PWD-6)

भारत के राष्ट्रपति की ओर से कार्यपालक अभियन्ता, यू0मंडल, के0लो0नि0वि0, नई दिल्ली निम्नलिखित कार्य के लिए के0लो0नि0वि0 के अनुमोदित एवं पात्र सूचीबद्ध ठेकेदारों (Buildings & Roads (erstwhile composite/Building/ infrastructure) से ऑनलाईन प्रतिशत दर ई-निविदा आमंत्रित करतें हैं।

The Executive Engineer (C), U-Div, CPWD, New Delhi on behalf of President of India invites online **Percentage Rate Bids** from approved and eligible enlisted contractors of CPWD in appropriate category of Buildings & Roads (erstwhile composite/Building/ infrastructure) for the following work:

1. NIT No. /EE/U-Divn./2026-27/1, Name of work: - Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work) Estimated Cost:- Rs 57,91,022/- Earnest Money:- Rs.1,15,820/-, Period of completion:- 03 Months, Last time and date of submission of bid 15:00 hrs on 07.08.2026 and opening time & date of bid 15:30 hrs on 07.08.2026.

निविदा प्रपत्र एवं अन्य विवरण वेबसाईट <https://etender.cpwd.gov.in> से प्राप्त किए जा सकते हैं। The bid forms and other details can be obtained from the website <https://etender.cpwd.gov.in>. The press notice is also available on <https://etender.cpwd.gov.in>

कार्यपालक अभियन्ता
यू मंडल, के0लो0नि0वि0

प्रतिलिपि सूचनार्थ:-

1. अधीक्षण अभियन्ता, दि.परि-8, के0लो0नि0विभाग, कमरा नं0-423, चौथा तल, 'ए' विंग, आई.पी. भवन, नई दिल्ली-110002।
2. कार्यपालक अभियन्ता, सी.डी.-6, के.लो.नि. विभाग, चौथा तल, 'ए' विंग, आई.पी. भवन, नई दिल्ली-110002।
3. कार्यपालक अभियन्ता(वै0), दिल्ली विद्युत मंडल-81, के0लो0नि0वि0, के.स. का परिसर, लोधी रोड़, नई दिल्ली।
- 4-6 सहायक अभियन्ता, 1/यू., 2/यू. एवं 3/यू उपमण्डल, के.लो.नि.वि., लोधी रोड़, नई दिल्ली।
7. सहायक अभियन्ता (योजना), 'यू' मण्डल, के.लो.नि.वि., के.स. का परिसर, लोधी रोड़, नई दिल्ली।
8. कार्यालय अधीक्षक, 'यू' मण्डल, के.लो.नि.वि., के.स. का परिसर, लोधी रोड़, नई दिल्ली।
9. रोकड़िया, 'यू' मण्डल, के.लो.नि.वि., के.स. का परिसर, लोधी रोड़, नई दिल्ली।
10. सूचना पट्ट, 'यू' मण्डल, के.लो.नि.वि., के.स. का परिसर, लोधी रोड़, नई दिल्ली।
11. एन0आई0टी0।

कार्यपालक अभियन्ता

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR
e-TENDERING Forming part of bid document

The Executive Engineer (C), U-Div, CPWD, New Delhi on behalf of President of India invites online **Percentage Rate Bids** from approved and eligible enlisted contractors of CPWD in appropriate category of Buildings & Roads (erstwhile composite/Building/ infrastructure) for the following work:-

Sl. No.	NIT No.	Name of Work & location	Estimated cost put to bid Rs.	Earnest Money	Stipulated Period of Completion of work	Last date & time of online submission of bid, copy of receipt of deposition of original EMD and other Documents as specified in the bid documents	Date & Time of opening of bid
1	/EE/U-Divn./2026-27/2	Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)	Civil: Rs. 57,91,022/-	RS. 1,15,820/-	03 Months	Up to 15:00 Hrs on 07.08.2026	On 07.08.2026 at 15:30 Hrs

....*... Blanks to be filled by EE (C) U-Div, CPWD, New Delhi.

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website **etender.cpwd.gov.in** free of cost.

4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bid 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 Bankers cheque or Fixed Deposit Receipts or/and Bank Guarantee (for balance amount as prescribed) from any of the commercial bank towards EMD in favour of **Executive Engineer, U-Division, CPWD** as mentioned in NIT, receipt for deposition of original EMD to Division office of any Executive Engineer (including NIT issuing EE/AE), CPWD and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid **class-III** digital signature to submit the bid.
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 pink color and the moment rate is entered, it turns sky blue.
10. 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 does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. Copy of enlistment order and other documents as specified in the tender documents for eligibility shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all scanned and uploaded document as specified in tender document shall be submitted by the lowest bidder within a week physically in the office tender opening authority.
12. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of work in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.
13. All cess/duties/taxes as applicable on the date of receipt of tender shall be borne by the contractor. The contractor shall quote his rate considering all such cess/duties/taxes. Contractor must have GST registration for becoming eligible to participate in tender.

14. The bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent upon any misunderstanding or otherwise shall be allowed.
15. The bidders who propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, which contain any other conditions of any sort including conditional rebate will be summarily rejected.
16. The tenderer should read all the instructions, terms & conditions, contract clauses, nomenclature of items, specifications etc. contained in the tender document very carefully, before quoting the rates.
17. The tenderer should also read the **General Condition of Contract for maintenance works 2023(Amended up to date of receipt of tender)** published by the DG(W) CPWD, Nirman Bhawan, New Delhi which will be part of the agreement with up to date of amendments i.e up to date of receipt of tender.
18. The contractor shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing shall be payable extra whatsoever unless otherwise specified.
19. The contractor has to follow standard operating processor and guidelines for construction & maintenance site for covid-19 outbreak issued vide OM No.2/9/2020-WII/DG/169 dated 05.05.2020 available on CPWD website along with all existing guidelines. It will also form as a part of the agreement.

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

1. Receipt of EMD
2. Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD as per proforma at NIT page No. 18 and 19
3. Enlistment Order of the Contractor.
4. GST Registration Certificate if already obtained by the bidder.

Or

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking on a Non Judicial Stamp Paper of Rs.100/-, duly notarized, along with bid documents, "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".

5. Certificate of ERP Training of enlisted contractor or his authorized representative as per DG/Enlist. Rules-2023/10 Dated 22.04.2024 for compulsory ERP training through any of the CPWD Regional Training institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit at of CPWD. Certificate should be issued through LMS (Learning Management System) in eNirmit.
6. Email & mobile no. of the firm/ agency on the letter head of firm/ agency (For making correspondence).

CPWD-6 FOR e-TENDERING GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT NOTICE INVITING TENDER

Percentage Rate bids are invited by Executive Engineer, U-Div, CPWD, Block-11, CGO Complex, E-mail ID –eeudivisioncpwd@gmail.com) on behalf of President of India from approved and eligible enlisted contractors of CPWD in appropriate category of Buildings & Roads (erstwhile composite/Building/ Infrastructure) for the work of **“Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)”** The enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tenders is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

1. **The work estimated cost is Rs. 57,91,022/- for 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 (or other standard form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **03 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 and same shall be handed over to the agency.
5. The architectural and structural drawings shall be made available in phased manner, as per requirement of the same and as per approved programme of completion submitted by the contractor after award of work or 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 <http://etender.cpwd.gov.in> free of cost.
6. After submission of the bid the contractor can re-submit/revised the bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest Money in the form of insurance surety bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Bankers cheque or Bank Guarantee (for balance amount as prescribed) from any of the commercial bank **(drawn in favour of Executive Engineer, U-Division, CPWD New Delhi)** 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 EE in the NIT.
A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lakhs, 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 **is valid for a period of 90 days** or more from the date of submission of the tender.
The earnest money given by the tenders except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, which ever in earlier.

Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest

bidder along with physical EMD of the scanned copy of EMD uploaded **within 02 days physically** in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.

9. The bid submitted shall be opened on **07.08.2026 at 15:30 Hrs**

* Blanks to be filled by EE , U-Div, CPWD, New Delhi

10. The bid submitted shall become invalid and e-tender processing fee shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.
 - (iv) If a tenderer does not quote any percentage above/below on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
11. The bidder whose bid is finally accepted will be required to furnish as specified percentage of the tender amount as mentioned in schedule F 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, Bankers cheque or Bank Guarantee (for balance amount as prescribed) from any of the commercial bank in accordance with the prescribed form.

In case, the Bidder fails to deposit the said performance guarantee within the period as indicated in **Schedule-‘F’** including the extended period if any, the bidder agrees that the President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to suspend the bidder for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order.

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

12. The description of the work is as follows:

The said work comprises of for **Replacement of floor tile at corridor, venetian blind at 13th floor BI officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)**

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

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

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

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Zone (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 ADG(RD), CPWD and Engineer-in-charge (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of **Thirty (30) days from the date of opening of bids.**
- 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 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 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. The tender inviting authority gets intimation through SMS and email in this regard.**
 - iv) **If contractor fails to furnish the prescribed performance guarantee within the prescribed period, the earnest money is absolutely forfeited to the President automatically without any notice.**
 - v) **In case of forfeiture of earnest money as prescribed in Para (i) to (iv) above, the bidder shall not be allowed to participate in the re-tendering process of the work.**
19. 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(Fifteen) days** from the stipulated date of start of the work, sign the contract consisting of:-
- (a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and 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.
20. The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.
- 20.1 The bid document will include following components:
- Part A:- CPWD-6, CPWD-7 including Schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023(Maintenance) as amended/modified upto last date of submission of bid.
- Part B: - General / Specific Conditions, Specifications and schedule of quantities applicable to major component of the work.
- 20.1.3 The Bidders must associate himself with Agencies as per NIT condition.

- 20.1.4 The eligible bidders shall quote percentage rates for all items of major component as well as for all items of minor components of work.
- 20.1.5 After acceptance of the bid by Competent Authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main Contractor will have to enter into one agreement with EE in charge of major component and has also to sign two or more copies of agreement depending upon number of EE's in charge of minor components. One such signed set of agreement shall be handed over to EE in charge of minor component(s). EE of major component will operate the agreement.
- 20.1.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 19.1.7 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 20.1.8 The main Contractor has to associate Agencies for specialized component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such Agency(s) to Engineer-in-charge of relevant component(s) within prescribed time. Name of the Agency(s) to be associated shall be approved by Engineer-in-charge of relevant component(s).
- 20.1.9 In case the main Contractor intends to change any of the above Agency/Agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant specialized component. The new Agency/Agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any Agency, he can direct the Contractor to change the Agency executing such items of work and this shall be binding on the Contractor.
- 20.1.10 The main Contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE in charge of each relevant component as well as to EE in charge of major component. In case of change of associate Contractor, the main agency(s) has to enter into MoU/ agreement with the new Contractor associated by him.
- 20.1.11 Running payment for the major component shall be made by EE of major discipline to the main Contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main Contractor.
- 20.1.12A. The composite work shall be treated as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.
- 20.1.12B. Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor component(s) will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.
21. The intending bidders are requested to update their profile in CPWD e-tendering portal and to upload their bids well in advance of last date of submission of tender. Any issues related to updating profile/uploading tender can be resolved through the concerned Executive Engineer (Phone no. 011-24363208, e-mail Id *eeudivisioncpwd@gmail.com) or ERP help line no. 18001803286 or e-mail Id cpwd.support@techmahindra.com. The e-tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
- * To be filled by EE , U-Division, CPWD, New Delhi.**

22. The contractor has to follow standard operating processor and guidelines for construction & maintenance site for covid-19 outbreak issued vide OM No. 2/9/2020-WII/DG/169 dated 05.05.2020 available on CPWD website along with all existing guidelines. It will also form as a part of the agreement.
23. Running payment for major components shall be made by the Executive Engineer (Civil) in charge of the discipline of major component either directly to the main contractor or Associated Electrical Contractor as agreement executed in between if so.

If Running Payments for major components is made to the main contractor by the Executive Engineer (Civil), U-div for Part-A & B Work in charge of the discipline of major component directly to the main contractor, the Main Contractor shall make payment to Associated Electrical Contractor within fifteen days positively. In case main contractor fails to make the payment to the contractor associated by him within 15 days of receipt of each rule reply of the same he may make the payment directly to the contractor associated for major component as per the terms & conditions of the agreement drawn between main contractor and associate contractor fixed by him, if reply of main contractor either not received or found unsatisfactory, such payment made to the associate contractor shall be recovered by Executive Engineer in charge of major or minor component from the next RA/final bill due to main contractor as the case may be. The payment of minor component of the work i.e. Part-C shall be made as per terms and conditions of the tripartite agreement among main agency, associated agency and Engineer-in-Charge of major component. The tripartite agreement shall be submitted to Engineer-in-Charge of minor component also.

If the main contractor fails to associate Electrical Contractor for execution of minor components within prescribed time or furnishes incomplete details or furnishes details of ineligible agencies even after the tenderer is given due opportunity, the entire scope of such component of works shall be withdrawn from the tender and the same shall be got executed by the Engineer-in-Charge at the risk and cost of the main contractor.

In case the main contractor intends to change the Associated Electrical Contractor during the operation of the contract, he shall obtain prior approval of respective Engineer-in-Charge of the agreement. The new Electrical Contractor shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-Charge of respective discipline 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.

Final bill of the whole work shall be finalized and paid by the Executive Engineer(Civil) in charge of major component and Executive Engineer will prepare and pass the final bill for his component of work and pass on the same to the Executive Engineer-(Civil), U-Div, CPWD in charge of major component for including in the final bill.

The SE, DC-8, CPWD, New Delhi will be competent authority for deciding reduced rates pertaining to the work, if any. Date of completion of all components of work will be same. Levy of compensation under Clause 2 as well as fair and reasonable extension of time will be granted by the SE, DC-8, CPWD, New Delhi on receipt of required information in this regard from the Executive Engineer (Civil) of major discipline as well as concerned of minor discipline. Also Executive Engineer(Civil) in charge of major component shall be competent authority to give fair and reasonable extension of time under provision of clause 5 and the SE, DC-8, CPWD, New Delhi shall be competent authority to reschedule milestones as stipulated.

Milestones shall be applicable for all the components of work as given in CPWD 7 under clause-5. The Associated Agency of Electrical Components will ensure that their components of the work are executed in time without giving any chances for slippage of milestones of the project. The amount to be withheld under Clause 5 of the contract will be decided by the Executive Engineer (Civil) of the main discipline. In the event of not achieving the necessary milestones as assessed from milestone bar chart, specified percentage of the tendered value of will be withheld for failure of each milestone. Arbitration case if any shall be handled by the Executive Engineer (Civil).

The main contractor or his authorized representative or his Associated Electrical Contractor shall sign the site order book for Works and comply with the remarks entered therein by the Engineer in Charge or his authorized representative of the Department for the Component of work.

The associated agency or main agency, whoever undertakes the work, shall be in possession of valid electrical contractor license before start of work

Executive Engineer, U-Div., CPWD,
CGO Complex, New Delhi-110002

PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the work of: - **Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)**

- (i) To be submitted/ uploaded on 07.08.2026 at 15:00 Hrs to the EE, U-Div, CPWD, New Delhi upload at etender.cpwd.gov.in.
- (ii) To be opened in presence of tenderers who may be present on 07.08.2026 at 15:30 Hrs in the office of the EE, U-Div, CPWD, New Delhi.

TENDER...

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

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

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

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

A copy of earnest money in receipt of prescribed amount deposited in the form of insurance surety bonds, Account Payee Demand Draft, fixed deposit receipt, bankers cheque bank guarantee (as prescribed) issued by a Commercial bank is scanned and uploaded. 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 therefrom to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

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

.....*.....Rupees.....*.....
)

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

- (a) *
- (b) *
- (c) *

For & on behalf of the President of India.

Signatures.....*.....

Dated:*.....

Designation.....*.....

(--*-- Blanks to be filled by EE, U-Div, CPWD, New Delhi)

INFORMATION AND INSTRUCTION FOR EXECUTIVE ENGINEER FOR E-TENDERING

1. The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.
2. The NIT approving authority /EE at the time of issue of NIT shall also fill and upload the following prescribed format of receipt of deposition of original EMD alongwith NIT:-

Receipt of deposition of original EMD (Receipt No...../ Date.....)
Name of Work:- Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)
NIT No. 22/EE/U-Divn./2026-1

3. **Estimated Cost:- Rs. 57,91,022/-**
4. Amount of Earnest Money Deposit **Rs. 1,15,820/-** (to be refunded after receiving the performance Guarantee)
5. Last date of submission of bid **on 07.08.2026 at 15:00 Hrs**

(* To be filled by NIT approving authority/EE at the time of issue of NIT and uploaded alongwith NIT)

1. Name of Contractor.....#
2. Form of EMD with email address of bank.....#
3. Amount of Earnest Money Deposit.....#
4. Date of Submission of EMD.....#
5. Contact No.#
6. E-Mail ID.....#

Signature,

(* # to be filled by EMD receiving EE)

AAO/AE(P)/Executive Engineer

6. The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO
7. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
8. The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (www.etender.cpwd.gov.in> tender free view> advance search> awarded tenders) that the particular contractor is not L-1 tender and work is awarded.
9. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

On Non-Judicial Stamp Paper of Minimum Rs. 100/-

(Guarantee offered by Bank to CPWD in connection with the execution of contracts) Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance

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

OR**

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

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

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

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

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

6. We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without

proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

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

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

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

Date

Witnesses:

1. Signature.....

Name and address Name

Authorized signatory

Name

Designation

Staff code no.

2. Signature

Bank seal

Name and address

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

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

PROFORMA OF SCHEDULES-F

(Separate Performa for Civil Works in case of composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (enclosed) :	Civil - Page No. 118-121
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SCHEDULE 'B'

Schedule of material to be issued to contractor : Nil

SCHEDULE 'C'

T&P to be hired to contractor : Nil

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any: **As attached in tender documents.**

SCHEDULE 'E'

Reference to General Conditions of contract.	GCC Maintenance Works – 2023 as amended/ modified upto last date of submission of tender.
Name of work	Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)
Estimated cost of work	Rs. 57,91,022/-
(i) Earnest money	Rs. 1,15,820/-
(ii) Performance Guarantee	5% of the estimated cost put to tender (ECPT) or contract amount whichever is higher. Additional PG: - The Difference between the 80% amount of ECPT and quoted amount in case of tender is abnormally low as per DG OM vide No. DG/ Manual-2024/20 dated 27.02.2026
(iii) Security Deposit	2.5 % of tendered value

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:	
Officer inviting tender :	EE-U-DIV., CPWD, New Delhi or successor thereof
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3:	See below (Refer Clause-12)
Definitions:	
2(v) Engineer-in-Charge :	EE, U-DIV., CPWD, New Delhi or successor thereof
2(viii) Accepting Authority:	EE, U-DIV., CPWD, New Delhi or successor thereof
2(x) Percentage on cost of materials and labour to cover all overheads and profits :	15%
2(xi) Standard Schedule of Rates	Civil:- DSR - 2023 with upto date correction slips upto last date of receipt of tenders and Market Rates.
2(xii) Department	Central Public Works Department
9(ii) Standard CPWD contract Form GCC 2023, CPWD Form 7 as modified & corrected up to	Standard CPWD contract Form General Condition of Contract Maintenance Works 2023 , CPWD form 7/8 as modified and corrected upto previous day of the last date of submission of tender.

Clause 1

(i)	Time allowed for submission of Performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or Proof of applying thereof from the date of issue of letter of acceptance :	07 days
(ii)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above :	03 days on written request of contractor stating the reason of delay in procuring performance guarantee to the satisfaction of Engineer-in-Charge.

Clause 2

Authority for fixing compensation under clause 2 :	Superintending Engineer, Delhi Circle-8, CPWD, New Delhi or successor thereof
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Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start	10 th days
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MILE STONE (S) AS PER TABLE GIVEN BELOW**Table of Milestone (s)**

S.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount of tendered cost to be with-held in case of non achievement of milestone
1.	1/8 th (of whole work) *	1/4 th (of stipulated period)	In the event of not achieving the necessary progress as accepted from the running payments, 1.25% of the tendered value of work will be withheld for failure of each milestone.
2.	3/8 th (of whole work) *	1/2 th (of stipulated period)	
3.	3/4 th (of whole work) *	3/4 th (of stipulated period)	
4.	Complete work*	Stipulated period	

* Calculate on the basis of work done amount.

Time allowed for execution of work	:	03 Months
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Authority to decide:

1. Authority to convey the decision of shifting of milestone and extension of time	:	Executive Engineer , U Division, CPWD, New Delhi OR his successor thereof.
2. Extension of time	:	SE, DC-8, CPWD, New Delhi or successor thereof
3. Rescheduling of mile stones	:	SE, DC-8, CPWD, New Delhi or successor thereof
4. Shifting of date of start in case of delay in handing over of site	:	SE, DC-8, CPWD, New Delhi or successor thereof

Schedule of handing over of site

Part	Portion of site	Description	Time period for handing over of site from date of commencing of issue of letter of intent.
Part A	Portion without any hindrance	Site is available	7 days
Part B	Portions with encumbrances	NIL	-
Part C	Portions dependent on work of other agencies	NIL	-

Clause 5 /5A:- Applicable : Clause -5

Clause 6:-

Whether applicable –	:	Electronic Measurement Book (EMB) (Added vide OM No. DG-CON-maintenance 2020-338 dated 13.04.2023)
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Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	19.00 Lakhs or mutually agreed
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Clause 7A

Whether Clause 7A shall be applicable -	Yes
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7 B-Whether Clause 7B shall be applicable : Yes

Clause 10A :-

List of testing equipment to be provided by the contractor at site lab. : As per requirement at site & as per direction of Engineer-in-Charge.

Clause 10B(i)

Whether Clause 10 B (i) shall be applicable	Not Applicable
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Clause 10 CA :-

Materials covered under this clause	Nearest material (other than cement, reinforcement bars and structural steel) for which All India Wholesale price index to be followed	Based price and its Corresponding period of all materials covered under clause 10CA	
		Base Price (per MT)	Corresponding period
Not Applicable			

Clause 10C – Component of Labour Expressed as : Applicable 25%

Clause 10CC : Not applicable

Clause 11 :-

Specifications to be followed for execution of work

C.P.W.D. Specifications 2019 Vol-I & Volume-II with upto date Correction slips.

Clause 12

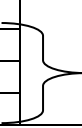
Type of Work:-	Maintenance Work
The completion cost shall, in no case exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-charge before 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.	

Clause 16 :-

Competent Authority for deciding reduced rates.	SE/Delhi Circle-8/CPWD New Delhi: upto 5% of the Contract Value/ with prior approval of ADG (Delhi) beyond 5% of Contract Value
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Clause 18 :-

List of mandatory machinery, tools & plants to be deployed by the contractor at site:	As per actually required at site and shall be arranged by the contractor.
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Clause 19		
Clause 19C	 (Authority to decide penalty for each default)	Engineer-in-charge
Clause 19D		
Clause 19G		
Clause 19K		
Clause 25		
Constitution of Dispute Redressal Committee (DRC)		
(a)	Conciliator: -	ADG(Delhi), CPWD, New Delhi
(b)	Arbitrator Appointing Authority	Superintending Engineer, DC-VIII, CPWD, I.P Bhawan, New Delhi
(c)	Place of Arbitration	New Delhi

CLAUSE 32-**Requirement of Technical Representative (s) and recovery Rate**

S. No	Minimum qualification of Technical representative	Discipline	Designation (Principal Technical/ Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor the event of not fulfilling provision of clause 32) <u>Figures</u> <u>words</u>
1	Graduate Engineer or Diploma Engineer	Civil	Project Planning/quality billing Engineer	2 or 5 Respectively	1 No	15,000/- Per Month (Rs. Fifteen Thousand Per Month)

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

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

Clause 38

(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2021 printed by CPWD with up to date correction slips	
Variations permissible on theoretical quantities:		
a)	Cement for works with estimated cost put to tender not more than Rs. 25 Lakh	3% plus/minus
	For works with estimated cost put to tender more than Rs 25 Lakh	2% plus/minus
b)	Bitumen for all works.	2.5% plus only & nil on minus side
c)	Steel Reinforcement and structural steel sections for each diameter, section and category.	2% plus/minus
d)	All other materials.	Nil

Annexure-C 1

Form of Application by the Contractor for seeking Extension of Time

1. Name of Contractor:
2. Name of work as given in the agreement:
3. Agreement No.:
4. Estimated amount put tender:
5. Date of commencement of works as per agreement:
6. Period allowed for completion of work as per agreement:
7. Date of completion stipulated in agreement:
8. Period for which extension of time if has been given by authority in Schedule-F Previously :

	EE's Letter No. and date	Extension granted	
		Months	Days
(a) 1st Extension			
(b) 2nd Extension			
(c) 3rd Extension			
(d) Total extension previously given			

9. Reasons for which extension have been previously given (Copies of the previous applications should be attached):
10. Period for which extension if applied:
11. Hindrances on account of which extension is applied for which dates on which hindrances occurred and the period for which these are likely to last (for causes under clause 5.2/ and 5.3):

Submitted to the authority indicated in Schedule "F" with copy to the Engineer –in –Charge

GENERAL TERMS AND CONDITIONS

- 1 The order of preference in case of any discrepancy may be read as the following:-
 - i) Nomenclature of items as per schedule of quantities.
 - ii) Particular specification and special condition, if any.
 - iii) CPWD specifications.
 - iv) Architectural Drawings.
 - v) Indian standard specifications of B.I.S.
 - vi) Sound Engineering Practice.

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

2 Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the “CPWD specifications 2019 Vol. 1 and Vol. 2 (with upto date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.

3 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same. Extra payment for centering/shuttering, if required to be done for heights greater than 3.5 m shall however be admissible at the rates arrived at in accordance with clause 12 of the agreement, if not already specified.

4 Site will be available.

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

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

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

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

8 The contractor shall make his own arrangement for obtaining electric connection(s) if required and make necessary payments directly to the department concerned.

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

10 The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and adhere by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.

11 The building work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.

12 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted by making his own arrangements for water supply, electricity etc. and nothing extra whatsoever shall be payable for the same.

13 If as per local Municipal regulations huts for labourers are not to be erected at the site of work, the contractor shall be required to provide such accommodation at a place outside the campus as is acceptable to the local body and nothing extra shall be paid on this account.

14 It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.

15 The structural and architectural drawings shall at all times be properly co-related before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-charge.

16 The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated these provisions shall apply separately to each phase.

17 The entire royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand etc. collected by him for execution of the work, directly to the Revenue authority or authorized agents of the State Government concerned or the Central Government, as the case may be.

18 The contractor shall issue Identity card to all labourers and engineers/staff engaged by him and nothing shall be paid on this account.

19 The work site is located in restricted area where prior permission of client may be required before or during the execution of work on day to day basis. Some restrictions may be imposed during execution of work. Necessary steps shall be required by the agency and nothing shall be paid on this account.

20 Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.

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

22 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department.

23 The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.

Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machinery's and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.

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

25 Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.

Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping/baling out water, if necessary, for which no extra payment shall be made. Those conditions shall be considered to include water from any source such as inflow of flood, surface and sub-soil water etc. and shall apply to the execution in any season.

26 In the event of prolongation of agreement due to delay or reduction in the scope of work, no claim on a/c of reduction in the scope of work, loss of business, loss of profit consequently, overheads and any type of interest etc. will be entertained.

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

1. Tests which are mandatory as per CPWD specification 2019 Vol I & II are to be carried out by the contractor. While deciding these criteria CPWD Specifications & Provisions of BIS Code and Standard Practices may be referred if not mentioned in the annexure mentioned above.
2. Machinery and other Tool & Plants required to be deployed at site by the contractor as per Annexure requirement of Entire Machinery and T&P may not be required at the start of work, therefore, a proper time schedule by which each Machinery & T&P is to be brought at site should be submitted by the contractor to the site staff before start of the work.
3. Field laboratory is required if necessary for this work then testing equipments to be arranged by the contractor. If field lab is to be setup by the Department then contractor may be allowed for conducting the test there.
4. Maintenance of Register of Tests –
 - (i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge at the time of issue of award letter.
 - (ii) All Samples of materials including Cement Concrete Cubes shall be taken by Contractor jointly with JE in charge of work and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by contractor in presence of AE in charge of work. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
 - (iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor in presence of JE-in-charge and at least 50% of tests in presence AE-in-charge. At least 10% of tests shall be carried out in presence of Executive Engineer.
 - (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be presented before JE/AE/Divisional Engineer for their review.
 - (i) Contractor shall be responsible for safe custody of all the test registers.
5. It is mandatory to the contractor to submit copy of all test registers, Material at Site Register and hindrance register along with each alternate Running Account Bill and Final Bill. These registers shall further be checked by AE(P) in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.
If all the test registers and hindrance register is not submitted by contractor along with each alternate R/A Bill & Final Bill, no payment shall be released to the contractor.
6. Maintenance of Material at Site (MAS) Register -
 - (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge along with the award letter.
 - (ii) The contractor shall get 100% test checked by JE or by AE if there is no JE after each entry of receipt of material at site in MAS register.
 - (iii) The contractor shall get MAS Register test checked by JE at least twice a week and at least once a week by AE. If JE is not available then MAS register must be checked by AE at least twice a week.
 - (ii) Cement register shall be got reviewed by Divisional Engineer at least once in a month.
7. The concrete mix design/laboratory tests with and without admixture shall be got done by contractor at his own cost and will be carried out by the contractor through one of the following laboratory/Test houses:

All laboratories are in the Government/semi-Government of Private sector Labs of all Government institutes, PSUs. IITs, NITs, Government Engineering colleges. Central and state Government research centres, centrally and state government funded laboratories comes under Government labs and shall be approved by the SDG/ADG of the region (Delhi Region).

8. Approved Lab/Govt. Engineering Institutions as directed by the Engineer-in-charge. The various ingredients for mix design / laboratory tests shall be sent to the test houses through the Engineer-in-Charge and the samples of such aggregate & cement shall be preserved at site by the department.

9.0 QUALITY ASSURANCE / TESTING OF MATERIALS

- 9.1 The contractor shall establish a laboratory at site to test the coarse, fine aggregate, water, sand, cement etc. to be used in construction.
- 9.2 With each Running Bill, the details of mandatory test carried out shall be submitted by the contractor.
- 9.3 Samples of materials required for testing shall be provided free of charge by the contractor.

Testing charges to be borne by contractor:

All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from the list of approved laboratories for testing as approved by ADG (Delhi).

- 9.4 However, if any ultrasonic pulse velocity / load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.
- 9.5 In case there is any discrepancy in frequency of testing as given in list of mandatory tests and that in individual sub-heads of work as per CPWD Specifications higher of the two frequencies of testing shall be followed and nothing extra shall be payable on this account.

9.6 FIELD LABORATORY

The contractor has to establish field laboratory at site including all necessary equipments and skilled manpower for the **Field Tests (As per General Index)** at his own cost to have proper quality control.
For performing the above tests, the **Field Testing Equipments and Instruments (As per General Index)** are to be arranged and maintained by the contractor. (DG/MAN/410 dated 22.10.2021)

Testing charges to be borne by contractor:

All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from the list of approved laboratories for testing as approved by ADG (Delhi).

LIST OF FIELD TESTS REQUIRED AT SITE LAB

- i Particle size and shape
- ii Slump test
- iii Flakiness & Elongation Index tests
- iv Compressive strength (concrete or bricks) test
- v Bulking of sand
- vi Silt content of sand
- vii Temperature measuring with thermometer with brass protected end 0-200 °C
- viii TDS Meter
- ix Water test

FIELD TESTING EQUIPMENT AND INSTRUMENTS**A. Testing Equipment at Field Laboratories**

- (i) Balances 7kg to 10 kg. Capacity, Semi-self indicating type-Accuracy 10 gm
 - (a) 500 gm. Capacity, Semi-self indicating type Accuracy 1 gm
 - (b) Pan Balance – 5 Kg. Capacity, accuracy 10 gm.
 - (c) Weighing scale platform type 100kg capacity.
- (ii) Sieves: as per IS 460-1962.
 - (a) I.S. Sieves – 450 mm internal dia of sizes 100 mm, 80 mm, 63 mm, 50mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm complete with lid and pan.
 - (b) IS Sieves – 200 mm internal dia(brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.

- (iii) Sieve shaker capable of 200 mm and 300 mm dia sieves, motorized operated with timing switch assembly.
- (iv) Equipment for slump test – Slump Cone, Steel Plate, tamping rod, steel scale, scoop.
- (v) Graduated measuring cylinders 200 ml capacity
- (vi) Enamel trays (for efflorescence test for bricks and other tests)
 - (a) 300 mm X 250 mm X 40 mm
 - (b) Circular plates of 250 mm dia
 - (c) 600 mm X 450 mm X 500 mm
 - (d) 450 mm X 300 mm X 40 mm.
- (vii) ISI marked 150 X 150 X 150 mm concrete cube moulds as per site requirement – 18 Nos.
- (viii) Graduated cylinder 1000 ml. Capacity.
- (ix) Cube testing machine and slump cone.
- (x) Any other equipment for site tests as outline in BIS and as directed by the Engineer-in-charge

B. Field Testing Instruments

- i Steel tapes – 3 m
- ii Digital Vernier Calipers
- iii Digital Micrometer Screw 25 mm gauge
- iv A good quality plumb bob
- v Spirit level minimum 30 cms long with 3 bubbles for horizontal vertical
- vi Wire gauge (circular type) disc.
- vii Foot rule
- viii Long nylon thread
- ix Pulse velocity meter
- x Magnifying glass
- xi Screw driver 30 cms long
- xii Ball pin hammer, 100 gms
- xiii Plastic bags for taking samples
- xiv Digital Distance meter Leveling machine.
- xv Water testing kits

SPECIAL CONDITIONS

1.1 GENERAL: -The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc. constraints put by local regulations, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their bids. The site is available for work.

1.2 DRAWING: - Wherever the BOQ item stipulates design, the contractor shall have to supply designs and shop drawings which shall have to be vetted by CPWD or any other Institute of repute as approved by Engineer-in-Charge, and all costs towards the same, including charges for vetting shall be deemed to have been included in the quoted rates

1.3 Nomenclature: -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 from 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. All these incidental works / costs which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted by the contractor as percentage rate for various items in the schedule of quantities. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.

1.4 Specifications: -The work shall generally be carried out in accordance with the “CPWD Specifications 2019 Vol. I & II” with correction slips issued up to the last date of submission of bids, additional/Particular Specifications, Architectural /Structural drawings and as per instructions of Engineer-in-Charge. Any additional item of the work, if taken up subsequently, shall also confirm to the relevant CPWD specifications as mentioned above. Working (both Architect and structural) drawings will be released progressively to the contractor commensurate to the construction schedule approved by Engineer-in-charge.

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

1.6 The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works. The works to be undertaken by the contractor shall inter-alia include the following:

1.6.1 Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable.

1.6.2 Obtaining of Statutory permissions wherever applicable and required.

1.6.3 Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.

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

The work shall be carried out in accordance with the approved architectural drawings, structural drawings, and service drawings to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work the contractor shall correlate all the relevant architectural and structural drawings, nomenclature of items and specifications etc. issued for the work and satisfy himself that the information available from there is complete and unambiguous. The figure and written dimension of the drawings shall be superseding the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer- in- charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim whatsoever shall be entertained by the department on this account.

The delay caused on account of non-timely action by the contractor in resolution of the differences whatsoever shall not be considered as valid ground for extension of time unless otherwise accepted by Engineer in charge.

Unless otherwise provided in the Schedule of quantities vide Part-B the rates bided by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centering, shuttering, however, if required to be done for floor heights greater than 3.5m shall be admissible at rates arrived in accordance with clause 12 of the agreement if not already specified.

Stacking of materials:-The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at suitable place. No stacking of materials or excavated earth or building rubbish shall be stacked on

areas where other buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan. However, if any change is required, the same shall be done with the approval of Engineer-in-Charge.

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

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

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

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

The contractor shall make his own arrangements for water and for obtaining electric connections if required and make necessary payments directly to the State Govt. departments concerned. Contractor shall get the water tested from laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2019. All expenses towards collection of samples, packing, transportation and testing charges etc. shall be borne by the contractor.

1.12 PREVENTION OF NUISANCE AND POLLUTION CONTROL

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

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

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

1.14.2 In the event of any restrictions being imposed by the Security agency of Client Department / CPWD/ Delhi Traffic or any other local authority having jurisdiction in the area on the working or movement of labour /material, the contractor shall strictly follow such restrictions and nothing extra shall be payable to the contractor on such accounts. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.

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

1.15 Labour Hut:-If as per the rules of the local authority, the huts for labour are not to be erected at the site of work by the contractors, the contractor is required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid by CPWD on this account. No accommodation is available at the site of work. He shall make his own arrangements for stores, field office etc. Before tendering, he shall visit the site and assess the manner in which he is able to arrange the above facilities. The Engineer-in-Charge shall in no way be responsible for any delay on this account and no claim, whatsoever, on this account shall be entertained.

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

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

1.18 Material check before use:-All materials obtained from contractor shall be got checked by the representative of Engineer-in-Charge on receipt of the same at site before use.

1.19 Royalty :-Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingles sand and bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the State Government concerned or Central Government.

Royalty at the prevalent rates shall be paid by the Contractor or the ready mix concrete (RMC) supplier as per the terms of supply between them, on all materials such as boulders, metals, all sizes stone aggregates, brick aggregates, coarse and fine sand, moorum, river sand, gravels and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned. Further, contractor needs to submit proof of submission of full royalty to the state government or local authority. Nothing extra shall be payable on this account.

1.20 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / DDA/ NDMC/ State Govt. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities.

All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Department.

1.21 INTEGRATED SERVICE DRAWINGS

Before taking up the work, the contractor shall plan various civil and electrical services and mobilize his resources as per the Integrated drawings and as per the site conditions to facilitate convenient execution, installation as well as maintenance of these services. Nothing extra shall be payable on this account.

1.22 TOOLS AND PLANTS

The contractor should have own construction equipment required for the proper and timely execution of the work. Nothing extra shall be paid on this account.

No tools and plants including any special T&P etc. shall be supplied by the Department and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

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

1.24 CO-OPERATION WITH OTHER CONTRACTORS/SPECIALIZED AGENCIES/SUB- CONTRACTORS

The Contractor shall take all precautions to adhere by the environmental related restrictions imposed by any statutory body having jurisdiction over work site as well as prevent any pollution of streams, ravines, river bed and waterways. All waste or superfluous materials shall be transported by the Contractor, entirely to the satisfaction of the Engineer- in- Charge and disposed at designated places only.

Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings.

No claims whatsoever on account of site constraints mentioned above or any other site constraints, lack of public transport, inadequate availability of skilled, semi-skilled or unskilled workers in the near vicinity, non- availability of construction machinery spare parts and any other constraints not specifically stated herein, shall be entertained from the Contractor. Therefore, the bidders are advised to visit site and get first-hand information of site constraints. Accordingly, they should quote their bids. Nothing extra shall be payable on this account.

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

The Contractor shall:

Allow use of scaffolding, toilets, sheds etc.

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

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

Provide electricity and water at mutually agreed rates.

Provide hoist and crane facilities for lifting material at mutually agreed rates.

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

Adjust work schedule and site activities in consultation with the Engineer-in- Charge and other Contractors to suit the overall scheduled completion.

Resolve the disputes with other Contractors/ sub-contractors amicably and the Engineer-in- Charge shall not be made an intermediary or an arbitrator.

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

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

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

1.25 SUPERVISION OF WORK

The Contractor shall depute Site Engineer & skilled workers as required for the work. He shall submit organization chart along with details of Engineers and supervisory staff. It shall be ensured that all decision making powers shall be available to the representatives of the Contractor at work site itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise.

If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site as mentioned in the bid document to complete the work with quality and within stipulated time limit.

1.26 Specialized Agencies

The bid comprises of civil work. The list of specialized items for civil which are to be got executed through specialized agencies are as below:

Fire door shutters.

The specialized agency should have successfully completed works as listed in this tender document elsewhere. If nothing is written then it should have successfully completed, at least one work of similar nature.

The contractor shall submit the following details of the specialized agency before execution of work for approval of Engineer in charge.

List of similar works carried out by the agency during the last seven years ending March 2019, along with the name of work, name and address of clients, year of execution, value of work done and brief specification of the work. The credentials for such completed works shall be obtained by the department and got verified from the Project Manager/Executive Engineer concerned.

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

It shall be the responsibility of main contractor to sort out any dispute / litigation with the Specialized Agencies without any time & cost overrun to the Department. The main contractor shall be solely responsible for settling any dispute / litigation arising out of his agreement with the Specialized Agencies. The contractor shall ensure that the work shall not suffer on account of litigation/ dispute between him and the specialized agencies / sub- contractor(s).

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

1.27 RATE(S) OFFERED

The rate(s) quoted by the bidder, shall be firm and inclusive of all taxes and levies (including GST and construction labour welfare cess).

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, notwithstanding 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. 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 by the department and thus not paid for.

The percentage (rates) quoted by the Contractor are deemed to be inclusive of site clearance, setting out work (including marking of reference points, center lines of buildings), construction and maintenance of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, labour welfare and labour training measures, preparatory works, working during monsoon, working at all depths, height and location etc. and any other incidental works required to complete this work. Nothing extra shall be payable on this account.

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

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

1.28 SAFETY MEASURES

(i) Necessary protective and safety equipment's such as helmet, safety shoes, gloves, googles, safety harness etc shall be provided to the Site Engineers, Supervisory staffs, labours, technical staffs of the contractor and also to the Departmental officials supervising / inspecting the works by the Contractor at his own cost and to be used at site. Nothing extra will be paid on this Account.

1.29 QUALITY ASSURANCE

The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material are not specified in the item of work, the contractor shall submit the samples as per suggested list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings of ISI Marked shall be used with the approval of Engineer-in-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge.

The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, subject to documentary evidence produced by the contractor for non-availability of the brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Engineer-in- Charge as regards equivalent make of the material shall be final and binding

on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer-in-Charge.

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

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

The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities including material and labour, the Engineer-in-Charge may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer-in-Charge, at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be payable for the above. The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the Engineer-in-Charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.

All the testing charges shall be borne by the contractor.

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

1.30 SUBMISSION AND DOCUMENTATION

- (i) The contractor will record measurements online to create e-MB (as per ERP Implementation OM No. 135 of 2023 vide letter no. DG/01/2022-23/115 Dated 21.03.2023 and DG/Manual/2022/Misc/13 Dated 25.04.2023) for the work carried out by him for making payment as per Clause – 6 of the CPWD General Conditions of Contract 2023 (Maintenance Work) with correction slips issued upto previous day of the last date of submission of bid.
- (ii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

1.31 TEMPORARY WATER/ ELECTRICITY/ TELEPHONE CONNECTION

Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall adhere by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules/byelaws in this regard. Nothing extra shall be payable on this account.

The Contractor shall be responsible for maintenance and watch and ward of the complete installation and water / electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Nothing extra shall be payable on this account.

The Department shall in no way be responsible for either any delay in getting electric and/or water and/or telephone connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the Contractor. Also contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

1.32 CLEANLINESS OF SITE

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

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

sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.

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

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

1.33 INSPECTION OF WORK: In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by Senior Officers of CPWD & GRIHA Evaluators, if needed. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge or other officers as stated above to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.

1.34 GENERAL CLARIFICATIONS

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

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

All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries. Coarse sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The coarse sand shall be screened before using, if required. If the sand brought to site is dirty, it must be washed in clean water to bring the sand to the required specifications.

Nothing extra shall be payable on this account.

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

1.35 Compliance on Construction and Waste Management Rules-2016:

The contractor shall comply the Construction & Demolition Waste Management Rules-2016 notified by the Ministry of Environment and Forest, Government of India (web address: www.moef.gov.in) regarding the disposal of waste. Nothing extra shall be payable on this account.

2.0 PARTICULAR SPECIFICATIONS FOR MAJOR COMPONENT (CIVIL):

2.1.1. The work shall in general be carried out in accordance with CPWD specifications for the works 2019 Vol. I & II with up to date corrections slips.

2.1.2. However, if the said specifications differ from those detailed in the description of any particular item in the schedule of quantities and specifications finally accepted by the Department, the later shall prevail.

2.1.3. Similarly, if the said specifications differ from the particular specifications given hereunder, the particular specifications given hereunder shall prevail.

2.1.4. If the detailed description of any particular item in the schedule of quantities and specifications finally accepted by the department differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.

2.1.5. If the particular specifications given here under differ from IS Code provisions in any respect, the former shall prevail.

2.2.1 CONDITIONS FOR WATER:

The contractor shall make his own arrangement for providing water for construction and drinking purpose. Water charges shall not be recovered on account of it. Contractor shall get the water tested from any laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2019. All expenses towards collection of samples, packing transportation including testing charges etc. shall be borne by the contractor.

2.3 STRUCTURAL STEEL WORK

2.3.1 General:

The work includes supplying, providing, fabricating, assembling, and erecting at site Tubular structure steel in the bended profile shaped as per the drawing with special plate connectors, pinion joints, using SAW /MAW / MIG welding process.

2.3.2 Material:

MS Pipes to be used shall be as per IS 1161 YST 310 Gr. or equivalent standards. Manufacturing process shall be of ERW type. Material grade less than YSt 310 shall not be allowed to use in the work. However higher grade shall be permitted without any extra cost to CPWD.

Bolts to be high tensile bolts of minimum 10.9 grades having black phosphate coating. The Bolts should be as per IS 1363/1364. Bolts shall be provided with a washer of sufficient thickness to avoid any threaded portion falling within the thickness of the parts bolted together if required. The bending of the members wherever specified should be in exact profile as per requirement.

Connector should be of high strength, manufactured out of similar grade of pipe material of required dimensions and holes for the bolts in the required position and direction.

The structure should be properly bended, connected welded and aligned to get the required profile.

2.3.3 Execution:

Structure work (Built-up section and in pattern as per design and drawings) shall be got executed by specialized agencies having requisite experience in execution of similar nature of works as approved by Engineer-in-Charge.

The structure should be properly bended, connected, welded and aligned to the required profile, i.e. work shall be executed as per designs and drawings. Shop drawings shall be prepared by the agency and got approved by the Engineer-in-Charge.

Test & Codes Applicable

Welding shall be in accordance with the following Indian Standards as applicable.

- a) IS: 816 - Code of Practice for use of metal arc welding for general construction in mild steel.
- b) IS: 820 - Code of Practice for the use of welding in tubular construction.

The joining faces of structural elements shall be made proper by shearing, chipping, gas cutting and grinding etc. and should be dressed properly before welding.

The surface to be welded and adjoining metal for distance of at least 20mm must be cleaned free of rust, scale, paint etc.

Each bead of metal shall have the slag removed by light hammering and wire brushing before the next bead is deposited. The weld must show a good clean contour and on a cut specimen good fusion with parent metal. Before applying paint the weld shall be carefully chipped and wire brushed.

The work includes preparation of shop drawings giving complete information, necessary for the fabrication of the component parts of the structure including the location, type, size, length and detail of all welds, and nuts, bolts, rivets etc. as per as approved structural drawings. The shop drawings shall be sufficient to ensure convenient/correct assembly and erection at site. These drawings shall also include full details of all joints, connections, splices etc.

2.3.4 Fabrication:

Site Arrangements

For fabrication at site suitable yard shall be constructed and separate arrangements for surface preparation & painting shall be made.

2.3.5 Assembly

All connections shall be either bolted or welded as shown on the drawings. The contractor shall not redesign or alter any connection without prior approval of the Engineer-in-Charge. The components parts shall be assembled in such a manner that they are neither twisted nor otherwise damaged and shall be prepared such that the specified cambers, if any, are provided. Drifting done during assembly shall not distort the metal or enlarge the holes.

2.3.6 Bolting

- a. All steel work, which is bolted together, shall be in close contact over the whole surface. Where two bolted surfaces are to be in permanent contact after assembly, each shall be thoroughly scraped free of loose scales, dirt and burrs and a heavy coat of primer or other approved paint after cleaning and drying.

All bolts shall be provided with washers under the nuts and the washers shall be tapered on the inside of the flanges or RS joists and channels. Bolts and studs shall project not less than one full thread through the nut after tightening. Unless otherwise specified, the ends of the bolts shall be burred after erection to prevent the removal of nuts.

- b. High strength bolts shall be used in bearing of friction as per the drawings. High strength bolted joints shall be made without the use of erection bolts. Bolts shall be of a length that will extend not less than 10mm beyond the nuts. Bolts shall be entered into the holes without damaging the tread members. They shall be brought tightly together with sufficient high strength fitting up bolts, which shall be re-tightened as all the bolts are finally tightened. Bolt heads shall be protected from damage during placing. Bolts that have been completely tightened shall be marked for identification. Bolted parts shall fit solidly together and shall not be separated by interposed compressible materials. The contact surface in high strength bolted

connections shall be free of oil, paint, lacquer, loose scale or other coatings. The facing surfaces shall be machined flat. Final tightening of high strength bolts shall be by turn of nut method.

c. Anchor bolts shall be set by use of templates secured firmly in place to permit true positioning of the bearing plates and assemblies. When in drawings anchor bolts are shown to be installed in sleeves, the sleeves shall be filled with grout.

2.3.7 Welding

Welding shall generally be done by electric arc process as per IS 816 and IS 823. The electric arc method is usually adopted and is economical. Where electricity for public is not available generators shall be arranged by the contractor at his own cost unless otherwise specified. Gas welding shall only be resorted to using oxyacetylene flame with specific approval of the Engineer-in-charge. Gas welding shall not be permitted for structural steel work. Gas welding required heating of the members to be welded along with the welding rod and is likely to create temperature stresses in the welded members.

Precautions shall therefore be taken to avoid distortion of the members due to these temperature stresses.

The work shall be done as shown in the shop drawings which should clearly indicate various details of the joint to be welded, type of welds, shop and site welds as well as the types of electrodes to be used. Symbol for welding on plans and shops drawings shall be according to IS 813. As far as possible every effort shall be made to limit the welding that must be done after the structure is erected so as to avoid the improper welding that is likely to be done due to heights and difficult positions on scaffolding etc. apart from the aspect of economy. The maximum dia of electrodes for welding work shall be as per IS 814. Joint surfaces which are to be welded together shall be free from loose mill scale, rust, paint, grease or other foreign matter, which adversely affect the quality of weld and workmanship.

2.3.8 Erection

As far as possible, the contractor shall deliver the fabricated steel work to the site in the same sequence as that which he wishes to follow for the erection. Dispatch should be scheduled to avoid cluttering up of the site. The bolts required for erection shall be bagged according to size prior to dispatch.

All structural work shall be erected in accordance with IS: 800, IS: 806 and IS: 1915 and as per the approved erection drawings. The contractor shall be responsible for setting out the works. The suitability and capacity of all plant and equipment used for erection shall be to the satisfaction of the Engineer-in-Charge. These shall be regularly serviced and maintained. Occupational safety practices shall be strictly adhered to and shall be to the satisfaction of the Engineer-in-Charge.

Individual places shall be plumbed, leveled and aligned. Drifting shall be used only to bring together the several parts. They shall not be used in such manner as to distort or damage the metal. Temporary bracing and staging shall be provided to ensure proper alignment and to adequately protect all persons, property and to withstand all loading to which the structure may be subjected during erection.

Attachment of such temporary steel work to the permanent steel work shall only be done with the approval of the Engineer-in-Charge. Temporary steel work shall remain in position until the structure is stable and self-supporting and permanently bolted or welded to the satisfaction of the Engineer-in-Charge after removal of temporary steel work, the permanent structure shall be made good to the complete satisfaction of the Engineer-in-Charge.

No permanent bolting or welding shall be done until proper alignment has been obtained. Erection of the parts with any moderate amount of reaming, chipping or cutting shall be immediately reported to the Engineer-in-Charge. The steel work shall be rejected unless corrective action is approved by the Engineer-in-Charge.

Placement of joists shall not start until the supporting work is secured. Temporary bridging, connections and anchors shall be provided to assure lateral stability during erection. Bridging to steel joists shall be installed immediately after joint erection, before any construction loads are applied. Horizontal or vertical bridging shall be provided in accordance with the type of span of the joists. Ends of the bridging lines shall be anchored at top and bottom chords where terminating to walls or beams.

2.3.9 Steel Primer

A priming coat of approved steel primer such as Red Oxide/Zinc Chromate primer conforming to IS 2074 shall be applied before any member of steel structure are placed in position or taken out of workshop

Measurement

The work as fixed in position shall be measured in running meters correct to a millimeter and their weight calculated on the basis of standard table correct to the nearest kilogram. Steel section shall be acceptable within tolerance limits. Payment for the steel section shall be made as per actual weight within tolerance. Section having weight on higher side than permissible tolerance, may be acceptable but payment shall be made on the basis of standard weight only. Steel section having weight variations lower than permissible variation shall not be acceptable.

Unless otherwise specified weight of cleats, brackets, plates, packing, bolts nuts, washers, distance pieces, separators diaphragm gussets (taking overall square dimensions) fish plates etc. shall be added to the weight of respective items. No deduction shall be made for skew cuts. No deduction shall be made for rivet/ or bolts holes (excluding holes for anchor or holding down bolts) Deduction in case of rivet or bolts hole shall, however, made if its area exceeds 0.02 sqm.

The weight of steel sheet and strips shall be taken from relevant Indian standards based on 7.85 kg/ sqm. for every millimeter sheet thickness. For rolled section, steel rods and steel strips, weight given in relevant Indian Standards shall be used.

2.3.10 Rates

Rate includes the cost of labour and materials required for all the operations described above.

3.1 WATER PROOFING WORK

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

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

The name of the specialized firm.

The trade names of the product, which would be used.

List of works where the treatment has been used.

Quantity of chlorides and sulphides used in the product.

3.1.1 Terrace Roof: -

terrace water proofing, as per CPWD Specifications 2019 with upto date correction slips, shall be done to entire satisfaction of Engineer-In-Charge.

The finished surface after water proofing treatment shall have adequate smooth slope as per the direction of the Engineer-in-charge.

Before commencement of treatment on any surface, it shall be ensured that the outlet drain pipes / spouts have been fixed and the spout openings have been eased and rounded off properly for easy flow of water.

Measurements: Dimension of length, breadth and thickness shall be measured correct to nearest cm. The cubical contents of consolidated concrete shall be worked out to nearest 0.01 cum. Any work done in excess over the specified dimension or sections shown in design/drawings shall be ignored.

Rate: The rate quoted by the contractor shall be for the complete execution of the item based on the approved design & drawing, which also includes cost of all materials, T&P, soil investigation, and labour involved etc in all the operations described above and, in the specifications, conditions mentioned in this agreement and the relevant BIS codes. The item does not include the cost of reinforcement.

3.1.2 GUARANTEE FOR WATER PROOFING TREATMENT

The contractor shall be fully responsible for and shall guarantee proper performance of the entire waterproofing system for a period of five years from the final completion of works. In addition, specific five years written guarantee (to be furnished in a non-judicial stamp paper of value not less than Rs.100/-) in approved proforma attached as Annexure-1 shall be submitted for the performance of the system, before final payment and shall not in any way limit any other rights the Employer may have under the contract. Guarantee for water proofing shall comprises of all the items described above in particular specification.

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

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

GUARANTEE FOR "Structural repair/ Rehabilitation/ Retrofitting works"

The contractor shall be fully responsible for and shall guarantee proper performance of the entire Structural repair/ Rehabilitation/ Retrofitting works for a period of five years from the final completion of works. In addition, specific five years written guarantee (to be furnished in a non-judicial stamp paper of value not less than Rs.100/-) in approved proforma attached as Annexure-2 shall be submitted for the performance of the system, before final payment and shall not in any way limit any other rights the Employer may have under the contract. Guarantee for water proofing shall comprises of all the items described above in particular specification.

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

Five years guarantee in prescribed proforma attached shall be given by the contractor for the Structural repair/ Rehabilitation/ Retrofitting works. Towards that 10% (ten percent) of the cost of these items of Structural repair/ Rehabilitation/ Retrofitting works under this sub head shall be retained as guarantee to watch the performance of the work executed. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialist agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the Department.

4. Aluminum Work

Aluminum work under SH : “aluminum work” of tender document shall be got executed from specialized agency. The specialized agency for the aluminum work shall be got approved from the Engineer - in - Charge, well before actual commencement of the item of work. Necessary performance certificates in respect of agencies proposed to be engaged shall be submitted within 30 days from the date of issue of acceptance letter to substantiate technical capability and experience of the agency for prior approval of the Chief Engineer.

4.1.1 Specifications for Aluminum Door, Window, Ventilator:

Extent and Intent:

The work shall be carried out through an approved specialist contractor who shall furnish all materials, labour, accessories equipment tool & plant, incidental. Required for providing and installing anodized aluminum door, windows, claddings, louvers and other items as called for on the drawings. The drawings and specifications cover the major requirement only. The supplying of additional fastenings, accessory features and mentioned specifically herein but which are necessary to make a complete installation shall be a part of the contract.

4.1.2 General:

Aluminum doors, windows etc. shall be of sizes, section detail as shown on the drawings. The details shown on the drawings indicate generally the sizes of the components parts and general standards. These may be varied slightly to suit the standards adopted by the manufacture. Before proceeding with any manufacturing, the contractor shall prepare and submit complete manufacturing and installation drawings for approval of Engineer-in-Charge and no work shall be performed until the approval of these drawings is obtained.

4.1.3 Shop Drawings :

The contractor shall submit the shop drawings of doors, windows louvers cladding and other aluminum work, based on architectural drawings to Engineer-in-charge for his approval. The drawings shall show full size sections of door, window etc. thickness of metal (i.e. wall thickness) details of construction, sub frame / rough ground profile anchoring details, hardware as well as connection of windows doors, and other metal work to adjacent work. Samples of all joints and methods of fastening and joining shall be submitted to the Engineer-in-Charge for approval well in advance of commencing the work.

4.1.4 Samples :

Samples of doors, windows, louvers etc. shall be fabricated assembled and submitted to the Engineer- in-Charge for his approval. They shall be of sizes, types etc. as decided by Engineer-in-Charge. All samples shall be provided the cost of the contractor.

4.1.5 Sections :

Aluminum doors and windows shall be fabricated from extruded section of profiles as detailed on drawings. The sections shall be extruded by the manufacturers approved by the Engineer-in-Charge. The aluminum extruded section shall conform to IS designation 63400-WP(HV9WP old designation) with chemical composition and technical properties as per IS : 733 and 1285. The permissible dimensional tolerance of the extruded sections shall be such as not to impair the proper and smooth function / operation and appearance of doors and windows.

4.1.6 Fabrications :

Doors, window etc. shall be fabricated to sizes as shown at factory and shall be of section, sizes combinations and details as shown in the Architectural drawings, all doors, windows etc. shall have mechanical joints. The joints shall be designed to withstand a wind load of 150 kgs. per sqm. the design shall also ensure that the maximum deflection of any member shall be accurately machined and fitted to form hairline joints prior to assembly. The joint and

Correction = Nil, Insertion = Nil, Overwriting = Nil, Deletion = Nil, AE(P)

accessories such as cleats brackets, etc. shall be of such materials as not to cause any bi-metallic action, the design of the joints and accessories shall be such that the accessories are fully concealed. The fabrication of doors, windows etc. shall be done in suitable sections to facilitate easy transportation, handing and installation. Adequate provision shall be made in the door and windows members for anchoring to support and fixing of hardware and other fixture as approved by the Engineer-in-Charge.

4.1.7 Anodizing:

All aluminum sections shall be anodized as per IS: 7088 and to required colour as specified in the item as per IS: 1868 grading, after cutting the members to requisite sizes. Anodizing shall be to the specified grade with minimum average thickness of 15 microns when measured as per IS : 6012. The anodic coating shall be properly sealed by steams or by boiling in deionized water or cold sealing

process as per IS : 1868 / IS : 6057. Polythene tape protection shall be applied on the anodized sections before they are brought to site. All care shall be taken to ensure surface protection during transportation, storage at site and installation. The tape protection shall be removed on installation. The sample will be tested in the approved laboratory and cost of samples, cost of testing shall be borne by the contractor.

4.1.8 Powder Coating:

The powder used for powder coating shall be polyester powder made by Berger or Jenson& Nicholson or equivalent. The thickness of powder coating shall not be less than 60 micron at any point measured with micrometer.

4.1.9 Protection of Finish :

All aluminum members shall be wrapped with approved self-adhesive non-staining PVC tapes.

Handling and Stacking :

Fabricated materials shall be carted in an approved manner to protect the material against any damage during transportation. The loading and unloading shall be carried out with utmost care. On receipt of materials at site, they shall be carefully examined to detect any damaged pieces. Arrangements shall be made for expeditious replacement of damaged pieces / parts. Materials found to be acceptable on inspections shall be repacked in crates and stored safely.

In the case of composite windows, and doors the different units are to be assembled first. The assembled composite units should be checked for line, level and plumb before final fixing is done. Unit may be serial numbered and identified as how to be assembled in their final location of situation so warrants.

Where aluminum comes into contact with masonry brick work / concrete / plaster or dissimilar metals, it shall be coated with approved insulation lacquer paint or plastic tape to ensure that electro chemical corrosion is avoided. Insulation materials shall be trimmed off to clear flush line on completion.

4.1.10 Silicon Sealant :

The peripheral gaps between plastered faces / RCC and aluminum sections shall be sealed both from inside and outside to make the windows watertight. Gaps up to 10mm between the peripheral aluminum member and masonry / RCC / Stone shall be sealed by inserting. Backer Rod manufactured by HT TROPLAST or Supreme Industries and by application of weather silicon / sealant of DOW corning / GE silicon make.

The contractor shall be responsible for assembling composite, bedding set straight plumb, level and for their satisfactory operation after fixing is complete.

4.1.11 Installation :

Just prior to installation the doors, windows etc. shall be uncrated and stacked on edge on level bearers and supported evenly. The frame shall be fixed into position true to line and level using adequate number of expansion machine bolts, anchor fasteners of approved size and manufacture and in an approved manner. The holes in concrete / masonry members for housing anchor bolts shall be drilled with an electrical drill.

The doors windows assembled as shown on drawings shall be placed in correct final position in this opening and marks made on concrete members at jambs, sills and heads against the holes provided in frames for anchoring. The frame shall then be removed then the opening and laid aside. Neat holes with parattle sides of appropriate size shall

then be drilled in the concrete members with an electric drill at the marking to house the expansion bolts. The expansion bolts shall then be inserted in the holes, struck with a light hammer till the nut is forced into the anchor shall. The frame shall then be placed in final position. In the opening and anchored to the support through cadmium plated machine

screws of required sized threaded to expansion bolts. The frame shall be set in the opening by using wooden wedges at supports and be plumbed in position. the wedges shall invariably be placed at meeting points of glazing bars and frames.

4.1.12 Neoprene Gaskets :

The E.P.D.M. gasket of suitable profile as manufactured by HANU INDUSTRIES, ANNAND LESCUYER make shall be provided at all required positions to make the glazing airtight. The contractor shall provide and install Neoprene Gaskets of approved size and profile at all locations as shown and as called for to render the doors windows etc. absolutely air tight and weather tight. The contractor shall submit samples of the gaskets for approval and procure after approval only.

4.1.13 Fittings :

The contractor shall cut the floor properly with stone cutting machine to exact size and shape. The spindle of suitable length to accommodate the floor finish shall be used. The contractor shall give the guarantee duly supported by the company for proper functioning of floor springs at least for 10 years. Hinges, stays handles, tower bolts, locks and other fittings shall be of quality and manufacturer as approved by the Engineer – in – Charge.

4.1.14 Manufacture's Attendances:

The manufacture immediately proper to the commencement of glazing shall adjust and set all windows and doors and accept responsibility for the satisfactory working of the opening frames.

4.1.15 Details of Test :

The various tests on aluminum sections shall be conducted in accordance with the relevant IS codes.

The minimum number of each unit of doors / windows shall be selected at random by Engineer-in- Charge as such that all the aluminum section shall be got tested.

S. No.	Details	No. of Tests
1.	Doors, Windows & Ventilators	5% of Nos. manufactured.

The sample of major member of each unit of doors / windows shall be selected at random by Engineer-in- Charge as such that all the aluminum section shall be got tested.

The cost of sample, carriage of the samples shall be borne by the contractor.

4.1.16 Acceptance Criterion :

The aluminum sections shall conform to the provisions of the relevant items. For payment purpose only actual weight of sections shall be taken into account. If however, the sectional weight of any aluminum section is higher than the permissible variation then the weight payable shall be restricted to the weight of the section including permissible variation.

4.1.17 Measurement :

Payment by weight shall be made for aluminum sections including beading only and all fixing angles cleats fittings and fixtures such as handles and hinges etc., shall not be included in the weight to be paid.

4.1.18 Rates :

The rates of the items shall include the cost of all materials, labors and inputs required in all the above operations.

ADDITIONAL CONDITIONS FOR STEEL REINFORCEMENT

1. The contractor shall procure TMT bars of Fe 500 D grade from primary steel producers such as SAIL, Tata Steel Ltd, RINL, Jindal Steel & Power Ltd and JSW Steel Ltd or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 million tonnes per annum and above.
2. TMT bars shall meet the provisions of IS 1786: 2008 pertaining to Fe 500 D grade of steel.
3. The contractor shall have to obtain vouchers and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.
4. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in the relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para 1.1 and 1.2 above, the same shall stand rejected and it shall be removed from the site of work by the contractor at his cost within a week time of written orders from the Engineer-in-charge to do so.
5. The steel reinforcement shall be brought to the site in bulk supply of 50 tonnes or more or as directed by the Engineer-in-charge.
6. The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent distortion & 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.
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 at frequency not less than that specified below:

Size of bar	For consignment below 100 tonnes	For consignment over 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 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16 mm dia bars	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

8. The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.
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 42 of the contract and shall be governed by the conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment need to be made.

10. The steel brought to the site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge
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.
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.
13. Reinforcement including authorized spacer bars and lap pages shall be measured in length of different diameters, as actually (not more than as specified in the drawing) used in the work, nearest to a centimeter. Wastage and unauthorized overlaps shall not be measured.
14. The standard sectional weights referred to as in Table 5.4 under para 5.3.4 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.
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.
16. If the derived weight as in para 14 above is lesser than the standard weight as in para 13 above, the derived actual weight shall be taken for payment.
17. If the derived actual weight is found more then the standard weight then the standard weight as worked out in para 13 above shall be taken for payment. In such case nothing extra shall be paid for the difference between the derived actual weight and the standard weight.
18. 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.

Tolerances on Nominal Mass (individual sample) shall be as under:-

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

ADDITIONAL CONDITIONS FOR CEMENT

1. The contractor shall procure Portland Pozzolana Cement conforming to IS: 1489 (Part-I) as required in the work, from reputed manufacturers of cement, such as A.C.C., Ultratech, Vikram, Shri 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 ADG for the sub 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.
2. 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.
3. The cement shall be brought at site in bulk supply of approximately 10 tonnes or as decided by the Engineer-in-Charge.
4. The cement godowns of the capacity to store a minimum of 1000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
5. 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.
6. The cement shall be got tested by the Engineer-in-Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to test laboratories. The cost of tests shall be borne by the contractor.
7. 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 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate show prescribed shall be made. In case of excess consumption no adjustment need to made.
8. 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.

9. 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.
10. The contractor may use OPC in place of PPC only after written permission of Engineer-in-Charge. In such case, no extra payment shall be made in any form to the contractor by the Department.
11. The Batch Mix Plant (Minimum capacity of 0.50 cum per batch /25 cum per hour) at construction site can be installed and operated for use in this work subject to compliance of pollution control norms and other mandatory requirements in force at the place, subject to availability of space and consent of the client. Cost adjustment for quantity used from site plant to be made in the schedule item of RMC.

Annexure-1

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

AE(P)

GUARANTEE BOND IN RESPECT OF WATER PROOFING WORKS ON RS. 100/- STAMP PAPER.

This agreement made this day of two thousand and between, (Name of the contractor, hereinafter call Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

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

And whereas the Guarantor agreed to give a guarantee to the effect that the said structures will remain water / leak proof for five years from the date of completion of the total project.

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

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

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

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

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

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

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

In witness where of these presents has been executed by the Obligator

and by and for and on behalf of the PRESIDENT OF INDIA on the day month and year first above written.

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

1.

2.

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

1.

2.

Annexure-II

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

AE(P)

**GUARANTEE BOND IN RESPECT OF “Structural repair/ Rehabilitation/ Retrofitting works”
ON RS. 100/- STAMP PAPER.**

This agreement made this day of two thousand and

between, (Name of the contractor, hereinafter call Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

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

And whereas the Guarantor agreed to give a guarantee to the effect that the said structures will remain intact without spalling/ delamination of concrete for five years from the date of completion of the total project.

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

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

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

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

In witness where of these presents has been executed by the Obligator and by and for and on behalf of the PRESIDENT OF INDIA on the day month and year first above written.

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

1.

2.

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

1.

2.

Special condition to comply directive of Hon'ble National Green Tribunal & EIA Guidance Manual

1. The contractor shall not store/dump construction material or debris on metalled road.
2. The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
3. The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and/or other similar material to ensure that no construction material dust fly outside the plot area.
4. The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precautions that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
5. The contractor shall provide mask to every worker working on the construction site and involved loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
6. The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction building and carry of construction material and debris relating to dust emission.
7. That contractor shall ensure the C&D waste is transported to the C & D Waste site only and due record shall be maintained by the contractor.
8. The contractor shall compulsory use of wet jet in grinding and stone cutting.
9. The contractor shall comply all the preventive and protective environmental steps as stated in the MoEF guidelines, 2020.
10. The contractor shall carry out on-Road-inspection for black smoke generating machinery. The contractor use cleaner fuel.
11. The contractor shall ensure that all DG sets comply norms notified by MoEF.
12. The contractor shall use vehicles having pollution under control certificate. The emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
13. The contractor shall ensure that the construction material is covered by tarpaulin. The contractor take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.

No. 1(10)/T&PR/2016
Government of India
Directorate General
Central Public Works Department
Technical & Public Relations Unit
 Tel No. 23061584 Email: dirtech-pr.cpwd@nic.in

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

OFFICE MEMORANDUM

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

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

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

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

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

This issues with the approval of Director General, CPWD.

Encl. As above.


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

To **(through CPWD website)**

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

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

(A) NGT order dated 04.12.2014:

- No government, authority, contractor, builders or any person would be permitted to store/dump construction material or debris on metalled road.
- Beyond the metalled road the area where such the construction material or debris can be stored shall be physically demarcated by officers of all the concerned Authorities/Corporation ensuring that it would not cause any obstruction to the free flow of traffic/inconvenience to the pedestrians. It should be ensured that no accidents occur on account of such permissible storage.
- Every builder, contractor or person shall ensure that the construction material is covered by tarpaulin and all other precaution should be taken to ensure that no dust particles are permitted to pollute air quality as a result of such storage. It shall also be ensured that appropriate protection measures are taken by raising wind breakers of appropriate height on all sides of the plot/area using plastic and /or other similar material to ensure that no construction material dust fly outside the plot area and it will be the builder/contractor responsibility to ensure that their activity does not cause any air pollution during course of construction and/or storage of material or construction activity. This condition shall be strictly adhered to by every builder, contractor, person or authority. In the event of default they shall be liable to be prosecuted under the law in force, as well as for causing environmental pollution and will be liable to pay compensation which would be determined by Tribunal in accordance with law.
- All the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material should be fully covered. The vehicles should be properly cleaned, should be dust free and every necessary precautions is to be taken to ensure that enroute their destination, the dust, sand or any other particles are not permitted to be released in air/contaminate air. Any truck not complying with the above directions would not be permitted to enter NCR, Delhi.

(B) NGT order dated 10.04.2015:

- Every builder or owner shall put tarpaulin on scaffolding around the area of construction and the building. No person including builder, owner can be permitted to store any construction material particularly sand on any part of the street, roads in any colony.

- The construction material of any kind that is stored in the site will be fully covered in all respects so that it does not disperse in the Air in any form.
- All the construction material and debris shall be carried in the trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get dispersed into the air or atmosphere, in any form whatsoever.
- The dust emissions from the construction site should be completely controlled and all precautions taken in that behalf.
- The vehicles carrying construction material and construction debris of any kind should be cleaned before it is permitted to ply on the road after unloading of such material.
- Every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris shall be provided with mask to prevent inhalation of dust particles.
- Every owner and or builder shall be under obligation to provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.
- It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and in terms of this order.
- All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.
- Compulsory use of wetjet in grinding and stone cutting.
- Wind breaking walls around construction site.
- All the builders who are building commercial, residential complexes which are covered under the EIA Notification of 2006 shall provide green belt around the building that they construct. All Authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.
- All builders shall ensure that C&D waste is transported in terms of this order to the C & D Waste site only and due record in that behalf shall be maintained by the builders, transporters and NCR of Delhi.
- Even if constructions have been started after seeking Environmental Clearance under the EIA notification 2006 and after taking other travel but is being carried out without taking the preventive and protective environmental steps as stated in this order and MoEF guidelines, 2010, the State Government, SPCB and any officer of any department as afore stated shall be entitled to direct stoppage of work.

(C) Environmental Impact Assessment Guidance Manual for Building, Construction, Township and area Development Projects of February, 2010 envisages the following guidelines for mitigation measures in respect of dust control from Building, Construction projects:

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

The other measures to reduce the air pollution on site are:

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

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

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

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

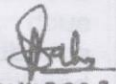
**Correction Slip No. 1 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/01 dated 10.11.2023**

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

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

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

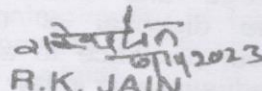
This is issued with the approval of DG CPWD.


10.11.2023
(वी. पी. साह)

अधीक्षण अभियंता (सी.एंड एम.)

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

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


10/11/2023
R.K. JAIN
(EE (Contact))

**Correction Slip No. 2 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/02 dated 08.12.2023**

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

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

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

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

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

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

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

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

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

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

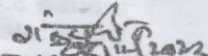
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) SCHEDULE 'F' Clause 5 Authority to decide: i. Extension of time (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be) ii. Rescheduling of mile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


(वी. पी. साह)

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)।


R.K. JAIN
(EE (Contact))

GCC 2023 : MAINTENANCE WORKS CORRECTION SLIP NO. 4

**Correction Slip No. 4 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/04 dated 08.02.2024**

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

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

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

GCC 2023 : MAINTENANCE WORKS CORRECTION SLIP

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

This issues with the approval of DG CPWD.

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)

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

**Correction Slip No. 5 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/05 dated 01.03.2024**

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

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

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

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

This issues with the approval of DG CPWD.

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
20/02/2024
R.K. JAIN
(EE (Contact))

**Correction Slip No. 6 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/06 dated 01.03.2024**

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

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

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

This issues with the approval of DG CPWD.

(Signature)
(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)

(Signature)
R.K. JAIN 23/03/2024
(EE (Contact

**Correction Slip No. 7 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/07 dated 05.03.2024**

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

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

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

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GCC 2023 : MAINTENANCE WORKS CORRECTION SLIP NO. 7

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

This issues with the approval of DG CPWD.

05-03-2024
(V.P. Sahu)

Superintending Engineer (C&M)

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

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

21-03-2024
R.K. JAIN
(EE (Contact))

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

AE(P)

**Correction Slip No. 8 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/08 dated 03.06.2024**

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

The following amendments are made in the Clause 36 of GCC 2023 for Maintenance Works.

Existing provision	Modified provision
Clause 36 If relative working in CPWD then the contractor not allowed to tender The contractor shall not be <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> 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.	Clause 36 If relative working in CPWD then the contractor is not allowed to participate in the tendering process The contractor (enlisted or non-enlisted in CPWD) shall not be allowed to participate in the tender for work(s) in the CPWD Zone/circle /Division/Sub-Division responsible for award and/or execution of contract(s) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Chief Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working or are subsequently employed by him and who are near relatives to any Officer working in the CPWD. Any breach of this condition by the contractor would render him liable to be debarred for a period upto two years from tendering in CPWD as decided by the accepting authority mentioned in Schedule F and his decision will be excepted from clause 25.
	No change.

This issues with the approval of DG, CPWD.

(V.P. Sahu)
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 Slip No. 9 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/09 dated 03.06.2024**

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

The following amendments are made in the Clause 36 of GCC 2023 for Maintenance Works.

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

This issues with the approval of DG CPWD.

(V.P. Sahu)
03.06.2024
(V.P. Sahu)

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)

21/05/2024
R.K. JAIN
EE (Contract)

**Correction Slip No. 10 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/10 dated 09.10.2024**

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

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

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

Appendix-XX

REGISTER OF MATERIAL AT SITE (MAS)

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

[illegible]

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

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

RK SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 08.12.2023

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

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

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

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(EE (Contact))

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

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(EE (Contact))

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

21/04/23
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executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control	executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.
Then upon the happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.	Then upon the happening of any such event causing delay, the contractor shall within 03 (three) days give online notice thereof through ERP Portal to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the work(s). The contractor shall have no claim on account of any hindrance in case notice(s) are not given by the contractor through ERP portal. The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s) In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency. The decision of Engineer-in-Charge with regard to nature of event causing delay, its start date and end date, as has been finalized during acknowledgement of notice, shall be final and binding. The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice. In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five)


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

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(EE (Contact))

	The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice. In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five) days of occurrence of hindrance on ERP portal provided further that not recording of events causing delay by the Engineer-in-Charge does not ipso facto entitle the contractor for any hindrance.
Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delays under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2 the contractor shall be entitled to only extension of time and no damages.	Such extension of time or rescheduling of milestone(s) shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delay(s) under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2, the contractor shall be entitled to only extension of time and shall have no claim of damages.
5.4 Request for rescheduling of Mile stones or extension of time, to be eligible 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. 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	5.4 Rescheduling of milestone(s) and 'extended date of completion' The request for rescheduling of Milestone(s) and extension of time, shall be made by the Contractor through ERP Portal once in a month on the basis of hindrances accepted by Engineer-in-Charge under sub-clause 5.2 and sub-clause 5.3. The Contractor shall indicate in such a request number of days by which rescheduling of milestone(s) and/or extension of time is desired. Deleted

2.10.2025
R.K. JAIN
(EE (Contract))

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.

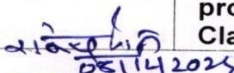
5.4.1 Provided that the end date of any event causing delay shall not fall beyond the date of request for extension of time or rescheduling of milestone(s) by the contractor. In case end date of event falls beyond the date of submission of said request, then period for extension up to date of application 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

28/11/2025
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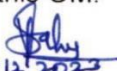
action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application by the contractor for extension of time E-in-C after affording opportunity to the contractor, may give, supported with a programme (as specified under 5.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.	before taking an action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 (twenty one) days of the date of receipt of such request from the Contractor on ERP Portal.
5.5 In case the work is delayed by any reasons, in the opinion of the Engineer- in-Charge, by the contractor for reasons beyond the events mentioned in clause 5.2 or clause 5.3 or clause 5.4 and beyond the justified extended date, without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The contractor shall be liable for levy of compensation for delay for such extension of time.	5.5 Delays attributable solely to the contractor In case the work is delayed by reasons solely attributable to the contractor, then Engineer-in-Charge or his representative(s) may record the event causing delay within 05 (five) days of occurrence of delay in the ERP portal. Contractor shall take the notice of the same for necessary action. He may submit his version, if any within 05 (Five) days. Engineer-in-Charge, considering the version of the contractor, will take decision on such recording of the event and the decision of the Engineer-in-Charge shall be final and binding. The contractor shall be liable for levy of compensation for such delays (i.e. for the period beyond the justified extended date of completion as determined in sub clause 5.4 and this default of contractor shall be dealt in conjunction with clause 2 of the contract. In case the work is delayed, due to hindrances attributable solely to the contractor, beyond the justified extended date (as stated in sub clause 5.4), the authority indicated in Schedule 'F', without prejudice to provisions to take action under Clause 3, may grant extension of


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


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

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


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

112425
R.K. JAIN 463
(EE (Contact))

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.


R.K. JAIN
(EE (Contact))

Where the contractor submits claim for market rate(s) in the manner prescribed above, the Engineer-in-Charge shall, within 45 days of the receipt of the claims, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

Where the contractor submits **analysis of rate(s) of extra item(s)** in the manner prescribed above, the Engineer-in-Charge shall, within 60 days of the receipt of the **analysis of rate**, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rate(s) of **extra item(s)**. The contractor shall be paid in accordance with the rate(s) so determined.

However provisional rate(s) on the basis of invoice will be allowed by the Engineer-in-Charge. Invoice shall be accepted only for material(s) not available in the Standard Schedule of Rates mentioned in Schedule F.

The contractor while submitting the tax paid bill of purchased material(s) shall ensure that rate(s) of the materials are reasonable and lowest available in the market. If Engineer-in-Charge feels rates in tax paid bill(s) submitted by contractor are not reasonable then he can modify the rate(s) after giving a notice to the contractor. Engineer-in-Charge is the final authority to decide applicable rate(s) of material(s).

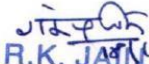
(b) No Provision

(b) Scheduled Extra Items

- i. For percentage rate tender, the extra item(s) shall be paid as per the Standard Schedule of Rates, mentioned in Schedule F, enhanced or reduced by the applicable cost index and further enhanced or reduced by percentage above/ below quoted by the contractor on estimated cost put to tender.
- ii. For item rate tender, the extra item(s) shall be paid as per the said schedule rate enhanced or reduced by the applicable cost index and multiplied by (Contract amount divided by estimated cost put to tender).


R.K. JAIN
(EE (Contact))

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


R.K. JAIN 4/2023
 (EE (Contact))

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

This issues with the approval of DG CPWD.


18-12-2023
(वी. पी. साहू)

अधीक्षण अभियंता(सी.एंड एम.)

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

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


R.K. JAIN
(EE (Contact))

GCC 2023 : MAINTENANCE WORKS CORRECTION SLIP NO. 11

35

**Correction Slip No. 11 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/11 dated 29.10.2024**

Subject : Modifications in Conditions of Contract, Clause 10A of GCC Maintenance Works 2023
Following amendments are made in the GCC Maintenance Works 2023 :-

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

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

This OM is applicable for all NITs uploaded after date of issue of this OM.
This is issued with the approval of DG CPWD.

29/10/24
(दिनेश कुमार उज्जैनिया)
अधीक्षण अभियंता (सी.एंड एम.)

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

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

29.10.24
R K SINGH
EE(Manual)

**Correction Slip No. 12 to General Conditions of Contract 2023
As per O.M. No. DG/CON/Maintenance 2023/12 dated 03.01.2025**

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

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

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

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 on the revised template which has been sent to them by the Tender Inviting Authority (TIA), but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.

In case of any be forfeited.
If the revised their tenders.
In case all process of the work.

No change

This issues with the approval of DG, CPWD.

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

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

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

(R K SINGH)
R K SINGH
EE(Maintenance)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/Manual- 2024/07

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 30.10.2024

Sub: Modifications in para 5.11 of CPWD Works Manual 2024- regarding sanction of Extra and Deviated Items in Work.

Following modifications are made in para 5.11 of CPWD Works Manual 2024:

Existing Provision	Modified Provision
5.11 Extra and Deviated Items in Work 5.11.1 Powers to Sanction of EI/Deviations (1) The powers of officers to accord sanction to extra items and deviation items for works are given in "Financial Powers delegated to CPWD Officers.	5.11 Extra and Deviated Items in Work 5.11.1 Powers to Sanction of EI/Deviations (1) The powers of officers to accord sanction to extra items and deviation items for works are given in "Financial Powers delegated to CPWD Officers. Non-Schedule extra items (items not available in Delhi schedule of Rates) are to be sanctioned by SE/CE only.

This issues with the approval of DG CPWD.

(Signature)
30/10/24

(दिनेश कुमार उज्जैनिया)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024 e-file- 9130176 (DFA/ 9303645)

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

(Signature)
30.10.24
R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/13

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 31.01.2025

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

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

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

This issues with the approval of DG, CPWD.

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 वेबसाइट के माध्यम से)

R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/MANUAL-2024/11

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

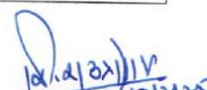
Dated: 10.02.2025

Sub: Modifications in para 5.18 of CPWD Works Manual 2024- regarding Payment of bills.

Following modifications is made in para 5.18 for CPWD Works Manual 2024:

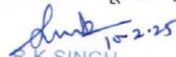
Existing Provision	Modified Provision
5.18 Payment	5.18 Payment
5.18.1 Time Schedule for Payment of Bills	5.18.1 Time Schedule for Payment of Bills
Ad-hoc payment the bill.	No change
The bill shall be concerned Executive Engineer.	No change
The remaining payment working days.	No change
The final bill shall be paid within the time schedule as per GCC provisions.	The final bill shall be paid only after compliance of pre-requisite documents such as sanctioned copies of extra items and deviation in quantities, escalation statements, recovery statement, theoretical statement, final completion certificate, sanctioned final extension of time case, mandatory tests statement, dismantled materials account and other documents as mentioned in clause 7A etc. as per GCC provisions.

This is issued with the approval of DG CPWD.


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

Issued from file No. CSQ/CM/16(1)/2024
e-file 9190123 (DFA/9315619)

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


R K SINGH
EE(Manual)

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/14
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD
NIRMAN BHAWAN, NEW DELHI **Dated: 10.02.2025**
Subject: Modifications in Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works.

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

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

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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.

R K SINGH
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

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

This issues with the approval of DG, CPWD.

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

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

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

R K SINGH
R K SINGH
EE(Manual)

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

This issues with the approval of DG, CPWD.


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

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

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

R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/SOP-2024/18

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 05.05.2025

Sub: Modifications in SOP No. 4/1 and Annexure-21 of SOP for CPWD Works Manual 2024-regarding CPWD -6 for E-tendering.

Following modifications are made in SOP No. 4/1 and Annexure-21 of SOP for CPWD Works Manual 2024:

Existing Provision	Modified Provision
SOP No. 4/1: E-Tendering (Refer Para 4.4(3)) 11. Processing of E-Tenders (16) The following instructions are scrupulously followed while processing the tenders: (i) The tenderers are not expected to make any post-tender modifications. Any such case is viewed seriously and under the provisions of Form CPWD 6, the matter is reported to the concerned Enlisting Authority for disciplinary action to be taken under the Rules for Enlistment of Contractors. In any case, such modifications are not considered by tender accepting authority.	SOP No. 4/1: E-Tendering (Refer Para 4.4 (3)) 11. Processing of E-Tenders (16) The following instructions are scrupulously followed while processing the tenders: (i) 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).
ANNEXURE- 21 (Refer SOP No 4/8 & 4/9) CPWD-6 FOR E- TENDERING 6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified. 18. The bids for the work shall remain open for in case bids are invited in 2 or 3 bid system. Further	ANNEXURE- 21 (Refer SOP No 4/8 & 4/9) CPWD-6 FOR E- TENDERING 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). 18. The bids for the work shall remain open for in case bids are invited in 2 or 3 bid system. Further:

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R K SINGH
EE(Manual)

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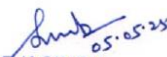
(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, letter of acceptance for the work is issued or not. (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, letter of acceptance for the work is issued or not. No Provision (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.	(i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours basis) of submission of bids, 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, letter of acceptance for the work is issued or not. (iii) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered. (iv) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
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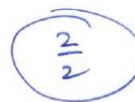
This is issued with the approval of DG CPWD.


 (अनिल कुमार गुप्ता)
 अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2024 e-file- 9179524 (DFA/ 9325429)

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


 R K SINGH
 EE(Manual)



केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/16

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 16.06.2025

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

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

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

This issues with the approval of DG, CPWD.

(चन्द्र पाल)

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)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/Manual-2024/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 27.02.2026

Sub: Modification in Para 5.2 for CPWD Works Manual 2024.

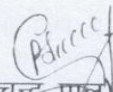
Following modification is made in Para no. 5.2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
5.2 Performance Guarantee	5.2 Performance Guarantee
Sl. No. 1	No Change
2. PG shall be 5% of the contract amount or as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.	2. PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher , or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.
Sl. No. 3	No Change
4. No provision	4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.
5. No provision	5. Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be

[Signature] Jindal
EF (Contract)

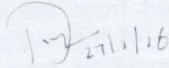
	0.8A – 0.7A). The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.
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This is issues with the approval of DG CPWD.

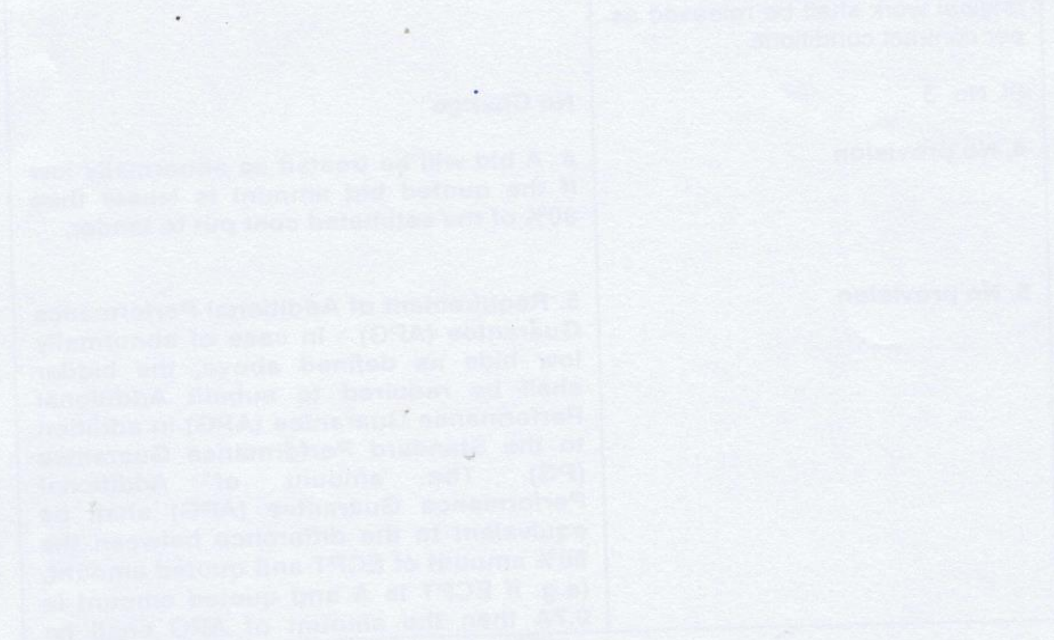

 27-02-2026
 ((चन्द्र पाल))
 अधीक्षण अभियंता (सी. एण्ड एम.)
 Chandar Pal, SE (C&M)

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

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


 21.1.16

D.P. Jindal
EE (Contract)



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

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

S. No.	Materials	Preferred makes
1	Poly-Sulphide Sealant	Pidilite, Tuffseal, Choksey / DURABUILD/MAKPHALT
2	Damp Proof Material	Impermo, Dura Build, Acco-Proof, CHOKSEY, MAKPHALT
3	Structural Steel, Sections	Tata, Sail, RINL, Jindal, JSW, JSPL
4	Admixture	Fosroc, MC BAUCHEMIE, CICO/Dura Build, CHOKSE, BASF, MAKPHALT, THERMAX
5	Cement (OPC/PPC)	ACC/Birla/Ultratech/J.P. Rewa, Cement Corporation of India. J.K. Gujrat, Ambuja, Shree Cement,
6	White Cement	J.K. White, Birla White
7	Water Proofing Compound	Tap Crete, CICO, Accoproof, Impermo (By Snowcem India Ltd.), Pidilite, CHOKSEY Dura Build/Fosroc. MAKPHALT
8	Bitumen	Indian Oil Corporation Ltd, Hindustan Petroleum, Bharat Petroleum
9	Injection Grouting	Pidilite (Dr Fixit), Sika, Fosroc, DURABUILD/CHOKSEY
10	Non-metallic Surface Hardener	MC Deritop F.H.
11	Locks/Latch	Godrej, Dorma, YALE, Hafele, Geze
12	Laminates, Veneer	Merino, Decolam, Greenlam, Century, Greenply, Archidply, Natural Decowood,
13	Wire Mesh	Sterling Enterprises, Trimurty Welded Mesh
14	Prelaminated Particle Board	Action TESA, Bhutan Boards, Greenlam, Kitlam, Century,
15	Adhesive	Pidilite, Dura Build, Dunlop, CHOKSEY, Asian Paint,
16	Epoxy Mortar	Fosroc, Dura Build, Sika, BASF CHOKSEY
17	Dash Fasteners	Hilti, Fischer, Bosch, Wurth
18	Flush Door Shutters (Decorative Non-Decorative)	Century, Green Ply, Duro, Jain Doors Pvt. Ltd., Jayna Doors, Merino, Greenlam, Green Penel, Centuryply
19	Board & Plywood	Duro, Century, Greenlam, Green Penel, Archidply,
20	Hydraulic Door Closer/Floor Spring	Godrej, Kich, Dorma, Hafele, Geze, Ozone,
21	Wooden Door Fittings of Brushed Steel	Dorma, Godrej, kich, Hafele, Geze, Ozone
22	S.S. Staircase Railing	Jindal Stainless Steel Ltd., Jindal S.S. Ltd., Geze, Dorma, Kitch
23	Fire Glass	Vetrotech Saint-Gobain, Pyroguard, AIS, Schott -Pyran,
24	Fire rated Glazed door	Saint Gobain, Shakti Horman, Navair, Schott, IHMS,GMP,
25	Metal Fire rated Doors	Shakti Hormann, Navair, IHMS, Tata Pravesh, GMP,
26	Wooden Fire rated Doors	Promat, Ardor, Navair, Shakti Hormann,
27	Fire Check Accessories Calcium Silicon Board	Promat, Hilux, Becker Fire Solutions
28	Fire Rated Hardware and Accessories	Dorma, Hafele, Geze, Assa Abloy, Kinlong
29	Smoke Seal Strip	3M, Hilti, Dormakaba, Lorient, Kilargo, Raven, Athmer, PROMAT, Fischer

S. No.	Materials	Preferred makes
30	Door Closer Lock	Dorma, Godrej. kich, Hafele, Assa Abloy
31	Panic Exit Device	Dorma, Yale, Hafele, Assa Abloy, Geze
32	Anodized Aluminium Hardware (Heavy Duty)	Hardima, Everite, Earl Bihari, Dorma, hafelle
33	Tempered Glass	Modi Float & Saint Gobain, ASAHI, Glaverbel
34	Polyester Powder Coating Shades	Nerolac, Berger, J & N
35	Aluminium Sections	Jindal, Hindalco, Indalco,
36	Friction Stay Hinges	Godrej, Hettich, Haffele, kich
37	Nuts, Bolts and Screws, Steel	Kundan, Priya, Atul, Puja
38	EPDM Gasket	Hanu/Anand, Sai Rubber, Century Rubber
39	Structural Silicone	Dow Corning/Wacker
40	Weather Silicone	Dow Corning/Wacker, Dura Build, Choksey
41	Adhesive Tape	3M, Dupont. LG
42	Terrazzo Tiles (Precast)/Plain/Chequerred	NITCO, HINDUSTAN, MODERN, Unistone, K.K. Manhole
43	Glazed Ceramic Tiles	JOHNSON, SOMANY, KAJARIA, ORIENT BELL, NITCO, ASIAN GRANITO, RAK, Oasis, Varmora
44	Cement Concrete Tiles/Hardonite Tiles	NITCO, NTC, HINDUSTAN, Unistone, Dalal
45	Vitrified Tiles (all types)	KAJARIA, JOHNSON, ASIAN GRANITO, RAK, SOMANY, NITCO, RESTILE
46	Tile Adhesive.	CICO, Dura Build, PIDILITE FERROUS CRETE, Choksey, Asian Paint, Fosroc, MYK LATICRETE, MAKPHALT
47	Clay Tiles on Roof	KENZAI, JOHNSON
48	C.C. Pavers	NITCO-(ROCKARD), TUFTEK, K.K Pvt. Ltd., Hindustan Tile, Dalal, MODERN
49	Acrylic Emulsion Paint	ASIAN Paints, ICI, NEROLAC, BERGER,
50	Luxury Emulsion Paint	Burger-silk, Asian-Royal, ICI- Velvet, Nerolac-Impression
51	Grass Paver	Unistone, Ultra, Shree, Supertile, Modern
52	Water-Proof Cement Paint	Kilicknixon, Durocem, Snowcem, Burger, ICI, Asian Paints
53	Synthetic Enamel Paint	Berger, Nerolac, Asian Paints, ICI India Ltd.
54	Plastic Emulsion Paint	Berger, Nerolac, ICI India Ltd., Asian Paint
55	Vitreous China Sanitary ware	Jaguar, Hindware, CERA, Kohlar, Toto, Roca
56	Fireclay Sinks & Drain Boards	Parry, Sunfire, Hindware, Cera
57	Stainless Steel Sinks	Nilkanth, AMC, Cobra, Jayna, Nirali, CERA, KINGSTON,
58	C.P. Brass Fittings	Jaquar, Marc, Jonhson, CERA, KINGSTON, Versa, Roca, Grohe, Hafele, Kohler, Prima.
59	Soil, Waste & Vents Pipes & Fittings A) Centrifugal Cast Iron	Neco, RIF, SKF, HIF
60	LA (CI) Pipes	RIF, Neco, Electro Steel, Kesoram
61	G.I. Pipes	Tata, Jindal – Hissar,
62	G.I. Fittings (Malleable Cast Iron)	Unik, ICS
63	Gunmetal Valves	Leader, Sant, Zoloto
64	Stone Ware Pipe & Gully Traps	Perfect, Parry, Anand
65	R.C.C. Pipes-(NP-2)	Lakshmi, Sood & Sood, Jain & Co.

S. No.	Materials	Preferred makes
66	MS Pipe	Kesoram, Electro Steel, TATA, Well Span
67	C.I. Double Flanged Sluice Valves	Kirloskar, IVS, Burn
68	C.I. Double Flanged Non-Return Valves	Kirloskar
69	C.I. Manholes Covers	B.I.C. RIF, NECO, SKF
70	UPVC/CPVC Pipe & fittings	Supreme, Prince, Finolex, Astral, AKG, APL Apollo
71	Copper Tubes/Pipes	Rajco, Max Flow ABC
72	Copper Fittings	Yorkshine, IBP, Bconex
73	Ball Valves	Zoloto, IBP, Arco
74	Butterfly Valves	Audco, Deepak Valves
75	Unglazed Vitrified Tiles	Johnson – (Endura), Somany – (Dura Stone), Regency– (Tiles), Kajaria, Oasis, Varmora
76	Spider Fittings	Dorma, yale, Hettich, Hafele,
77	Mineral Fibre False Ceiling	Armstrong, Hunter Douglas, Durlum, Gyptech, DIAMOND CEILINGS
78	APP Sheet for water proofing	Roflex, STP, Dermabit, Watertite (Alex), Bitumat Co. Ltd., Asian Paint, Technow, NICOL, Torchstar, MAKPHALT
79	PE-AL-PE PIPES & FITTINGS	Jindal, Supreme, Kitec
80	PVC/SINTHETIC WATER TANK	Sintex, Uniplast, Polycon,
81	Self Closing Pillar Taps	Jaquar, Kohler, Roca
82	Hot Water Insulation	Glass Wool/ Mineral Wool
83	Elastomeric Sleeve	Up Twiga / Rocklloyd
84	Beveled Edge Mirror	Atul/Saint Gobain/Modi guard, Jolly
85	Rolling Shutters	Rama Rolling Shutters / Joyti Rolling Shutters /Anand Industries
86	Wall Putty	Birla White, J.K White, Berger, Acro, Asian Paint, Sakarni
87	Drapery Rod, Venetian Blinds, Roller blinds	Mac, Vista, Hunter-Douglas, Deck,
88	Ready Mixed Concrete	ACC, Unitech, Ultra Tech (Birla), L&T, RMC India, M/s NDCON Construction, Shri Ram Ready Mix Concrete Pvt. Ltd., M/s Antritech Private Limited.
89	PTMT Fittings	Prayag, Shakti
90	HDPE PN-6, PE-80	Dure-line, Supreme, Vikas - “Tijaria”
91	Electric Resistance Welded (ERW) Pipes Slotted/Blind for Tube well	Jindal, SAIL, TATA, Wellspan
92	Polycarbonate sheet	Lexan brand of GE or equivalent
93	Texture Decorative Paint	OIKOS/SKK/ARMOURCOAT, Ultra Tech MAS
94	Metal False Ceiling	Armstrong, Hunter Duglus, Durlum, SaintGobain, Gyptech, DIAMOND CEILINGS
95	UPVC Window/Door	Fenesta, Saint Gobain, Veka
96	Laquered Glass	Modi, Saint Gobain, Asahi, Glaverbel, AIS, ART N GLASS
97	Bamboo and wooden grill/ baffle, backer/ box metal special false ceiling	Armstrong, Hunter Douglas, SAS, Dampa, Lindner, Anutone, Ecophone, USGBoral, AMF, Gyptech,
98	Hard wood Flooring/Engineering wood flooring	Juncker, Vitofloor, Pergo, Mikasa, Vista,
99	Wooden Laminate Flooring	Vista, Juncker, Action Tesa, Pergo, Green, Penel, Greenlam

S. No.	Materials	Preferred makes
100	Nylon Carpet Tiles/ Rolls	Forbo Flotex, Euronics, Welspun
101	Calcium Silicate False ceiling tiles	Aerolite, Armstrong, Gyptech
102	Carpet Flooring	Jaipur rugs, Obettee, Taj International, Cocoon carpets, Qaleen carpets
103	Furniture	HNI India, Haworth, Godrej, Rockworth, Steelcase, Durian, Featherlite, Royal safe
104	Fabric	Response, SAROM, RR DÉCOR, D DÉCOR
105	Accoustic Board / Panel	Anutone, Ecophone, Gyptech, Armstrong
106	HARDWARE & FITTINGS	DORMA, HAFELE, GEZE, Yale, Kich
107	GLASS	SAINTGOBAIN, AIS, ART N GLASS, Modiguard
108	PLY	Duro, Greenply, Centuryply, Archidply
109	GYP Board	Saint Gobain, USG Boral, Gyproc Gyptech
110	Glass partition	Dorma, HAFELE, Ozone,
111	Glass film	3M Film, Innovation Décor,
112	Acoustic Board/Panel	Gyptech, Durlum, Knoff,
113	Vinyl Flooring	Gerflor, Tarkett, LG Hausys, Wonder Floor,
114	Entrance Matting	3m, Forbo,
115	Fire Rated Clear Glass	Saint Gobain, Schott (Germany), Firelite (Japan), Pyroguard (France)
116	Fire Seal	Abacus, Sealz, Alstroflame.Athmer
117	Waste Bins	Mofna Industries, K.C. Green Revolutions, Hafele
118	Signages	Innovation Décor, Hanu Marketing Pvt. Ltd.
119	Italian Marble	Stonex, Marble City, J.C.R. Marble, Malani marble
120	Engineered Stone	Kalinga, Jhonson,
121	Melamine foam	Ecotone, NSA Builtech
122	Mosaic & Decorative Tiles	Cameo Impex, Sindron
123	Wall paper	Rossele, Vescom, Fabric Overseas
124	Modular Pantry	Browncrust, Grandeur, Piero
125	Fabric Ceiling	Berrisol, Gyprock, Gyptech, Sky Aura
126	Stone / Tile Adhesive	MYK Laticrete, Pidilite, Mapei
127	Shower Cubicle	Jacquar, Assaabloy, Dorma,
128	Sliding Foldable Partition	Dorma, Hafele, Assabloy
129	R.O. System	Venza, Sarah Aquasoft, Sarah Puritech, Kent
130	Pre-laminated MDF Board	Greenlam, Marino, Century, Action Tesa
131	PU-Coating & Sealer	Pidilite, Fosroc, NEROLAC, ASIAN PAINT
132	Steel Reinforcement (TMT Bars)	Tata Tiscon, SAIL, RINL, JSPL, JSW
133	Crystalline water proofing admixtures	Penetron, Kryton, Xypex, Pidilite
134	HDPE water proofing membrane	Pidilite, Fosroc, Penetron, SIKA, MYK, MAKPHALT
135	GRC tiles and Jalli	Dalal, Unistone
136	Automatic Sensor Door	Hafele, Dormakaba, Assa Abloy
137	Glass Hardware	Hafele, Dormakaba, Assa Abloy (Enox), kich, ozone
138	Shower System Hardware	Hafele, Dormakaba, Assa Abloy (Enox), kich, Ozone
139	Block Adhesive	Base-X, Ultratech, Pidilite, MYK laticrete
140	Epoxy Grout	MYK Laticrete, Base-X, Fosroc, Pidilite

S. No.	Materials	Preferred makes
141	SS 304 Modular railing system	Kich, Q-Railing, Ozone, JSL Lifestyle, Dorma, Godrej
142	Gypsum Board	USG Boral, Gyptech, Saint Gobain, Gyproc, GIPSKARTON INDIA PRIVATE LIMITED
143	G.I. Partition	Gyprock, Knauff.

NOTE: -

- 1. Material specified in the list of Preferred makes shall be got approved by Engineer-in-charge before use in the work. Decision of Engineer-in-charge shall be final in this regard.**

Material not specified in the list of preferred makes shall be approved by Engineer-in-charge with consultation of NIT approving authority before use in the work. Decision of Engineer-in-charge shall be final and binding.

SCHEDULE OF THEORETICAL CONSUMPTION OF MATERIALS.

Sl.No	Description of Item		Theoretical consumption co-efficient
1	Satna Lime Wash on walls one coat	0.01	Quintal per 10 Sqm.
2	White washing with lime to give an even shade		
(a)	Old work (one or more coats)	0.01	Quintal per 10 Sqm.
(b)	Old work (two or more coats)	0.02	Quintal per 10 Sqm.
(c)	New work (three or more coats)	0.03	Quintal per 10 Sqm.
3	Colour washing such as green, blue or buff to give an even shade:		
(a)	Old work (one or more coats)	0.01	Quintal per 10 Sqm.
(b)	Old work (two or more coats)	0.02	Quintal per 10 Sqm.
4	Finishing walls with water proofing cement paint		
(a)	Old work (two or more coats)	2.20	Kilogram per 10 Sqm.
(b)	New work (two or more coats)	3.84	Kilogram per 10 Sqm.
5	Painting with ready mixed paint		
(a)	Old work (One or more coats)	0.75	Litre per 10 Sqm.
(b)	New work (two or more coats)	1.25	Litre per 10 Sqm.
6	Painting with synthetic enamel paint		
(a)	Old work (One or more coats)	0.70	Litre per 10 Sqm.
(b)	New work (two or more coats)	1.16	Litre per 10 Sqm.
7	Wall painting with plastic Emulsion paint		
(a)	Old work (One or more coats)	0.73	Litre per 10 Sqm.
(b)	New work (two or more coats)	1.21	Litre per 10 Sqm.
8	Lettering with black Japan paint	0.56	Litre per 100 letters 15cm height
	Re-lettering with black Japan paint	0.37	Litre per 100 letters 15cm height
9	Painting flushing cistern, flush pipe & fittings with white synthetic enamel plant on external surface.	0.20	Litre per each
10	Applying priming coat with		
(a)	Ready mixed pink or grey primer on wood work (hard and soft wood)	0.75	Litre per 10 Sqm.
(b)	Ready mixed aluminum primer on resinous wood and ply wood	0.75	Litre per 10 Sqm.
(c)	Ready mixed Zinc chromate yellow primer on steel galvanized Iron/steel works.	0.54	Litre per 10 Sqm.
11	Repainting sand cast Iron/ centrifugally cast (spun) iron, soil, waste, vent pipes and fittings with paint of any colour such as chocolate, grey of buff etc.		
(a)	50 mm diameter pipe	1.20	Litre per 100 Metre
(b)	75 mm diameter pipe	1.80	Litre per 100 Metre
(c)	100 mm diameter pipe	2.40	Litre per 100 Metre
12	Painting with black anti-corrosive bitumastic paint.		
(a)	Old work (two or more coats)	0.57	Litre per 10 Sqm.
(b)	Old work (two or more coats)	0.95	Litre per 10 Sqm.
13	Painting (one or more coats) (on old work) on rain water, soil, waste, vent pipes and fittings with black anti-corrosive bitumen		
(a)	50 mm diameter pipe	1.011	Litre per 100 Metre

Sl.No	Description of Item		Theoretical consumption co-efficient
(b)	75 mm diameter pipe	1.457	Litre per 100 Metre
(c)	100 mm diameter pipe	1.906	Litre per 100 Metre
(d)	150 mm diameter pipe	2.816	Litre per 100 Metre
14	Painting G.I pipes and fittings with white paint of approved quality.		
(a)	15mm diameter pipe	0.68	Litre per 100 Metre
(b)	20 mm diameter pipe	0.85	Litre per 100 Metre
(c)	25 mm diameter pipe	1.07	Litre per 100 Metre
(d)	32 mm diameter pipe	1.35	Litre per 100 Metre
(e)	40 mm diameter pipe	1.53	Litre per 100 Metre
(f)	50 mm diameter pipe	1.92	Litre per 100 Metre
(g)	80 mm diameter pipe	2.81	Litre per 100 Metre
15	Repainting G.I pipes and fittings with white paint of approved quality-		
(a)	15mm diameter pipe	0.3533	Litre per 100 Metre
(b)	20 mm diameter pipe	0.471	Litre per 100 Metre
(c)	25 mm diameter pipe	0.5888	Litre per 100 Metre
(d)	32 mm diameter pipe	0.7538	Litre per 100 Metre
(e)	40 mm diameter pipe	0.9428	Litre per 100 Metre
(f)	50 mm diameter pipe	1.1775	Litre per 100 Metre
16	Finishing walls with Acrylic smooth exterior paint,		
(a)	New work (two or more coats)	1.67	Litre per 10 Sqm.
(b)	Old work (two or more coats)	1.67	Litre per 10 Sqm.
(c)	Old work (one or more coats)	0.90	Litre per 10 Sqm.
17	Finishing walls with Premium Acrylic smooth exterior paint,		
(a)	New work (two or more coats)	1.43	Litre per 10 Sqm.
(b)	Old work (two or more coats)	1.43	Litre per 10 Sqm.
(c)	Old work (one or more coats)	0.83	Litre per 10 Sqm.
18	Distemping with Oil bound washable distemper		
(a)	New work (two or more coats)	1.50	Kg per 10 Sqm.
(b)	Old work (two or more coats)	1.50	Kg per 10 Sqm.
(c)	Old work (one or more coats)	1.00	Kg per 10 Sqm.

SCHEDULE OF QUANTITY

Name of Work: - Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)

S. No	Description	Qty	Unit	Rate as per DSR-2023	Amount
1	"Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-Charge. (a)Note - Item to be applicable in urban areas having directions for restricted hours for movement/plying of load carrying motor vehicle of 3.5 cum or more."	18.00	cum	494.10	8894
2	Providing and fixing plywood 4 mm thick, one side decorative veneer conforming to IS: 1328 (type-1), for plain lining / cladding with necessary screws, including priming coat on unexposed surface with :				
2.1	Decorative veneer facings of approved manufacture	27.00	sqm	1946.25	52549
3.1	Providing and fixing plain lining with necessary screws/nuts & bolts/ nails, including a coat of approved primer on one face, and fixed on wooden /steel frame work, complete as per direction of Engineer-in- charge (Frame work shall be paid for separately).				
3.1	12mm thick commercial ply conforming to IS : 1328 BWR type	27.00	sqm	1224.65	33066
4	Providing and laying Vitrified tiles in floor with 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 with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
4.1	Size of Tile 1000x1000 mm	502.00	sqm	2264.90	1136980
5	Wall painting with acrylic emulsion paint, 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.				
5.1	Two coats	364.00	sqm	137.45	50032
6	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
6.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	364.00	sqm	73.95	26918
7	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.	364.00	sqm	25.15	9155

S. No	Description	Qty	Unit	Rate as per DSR-2023	Amount
8	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1.The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2.Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. 3.On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4.On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)	27.00	sqm	1360.45	36732
9	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	10.00	sqm	670.95	6710
10	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
10.1	Of area beyond 3 sq. metres	1.00	each	502.75	503
11	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	558.00	sqm	266.45	148679
12	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	364.00	sqm	56.35	20511
13	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
13.1	For fixed portion				
13.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	38.00	kg	530.90	20174

S. No	Description	Qty	Unit	Rate as per DSR-2023	Amount
14	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
14.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	12.00	kg	634.45	7613
15	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
15.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sgm)	8.00	sqm	1176.80	9414
16	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part 4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter- locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall wood screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.				
16.1	With semi perforated 12 mm thick micro tegular edged GRG false ceiling tiles.	364.00	sqm	1852.05	674146
17	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
17.1	25 mm average thickness	92.00	sqm	126.75	11661
18	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.				
18.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	92.00	sqm	141.20	12990

S. No	Description	Qty	Unit	Rate as per DSR-2023	Amount
19	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
19.1	12 mm average thickness.	92.00	sqm	388.65	35756
	Total				2302483
	Correction factor of GST on DSR item @ 0.973				2240316
	Add Cost Index @ 4.03% on DSR item				90285
	Total				2330601
20	Providing and fixing EPDM Gasket in the window shutter in existing window by replacing snap bidding and taking out the glass of shutter, repairing damage glass and placing glass in existing window including fixing etc. complete as per direction of Engineer-in-charge	1712.00	metre	1978.95	3387962
21	Providing and fixing dimout zebra blinds of with pelmet and chain drive mechanism 100% polyester fabric with colour fastness of approved pattern having 8cm solid and 5cm sheer, including fixing etc. complete as per direction of Engineer-in-charge. (The rates are inclusive of all the operations, fittings and materials).	18.00	sqm	4025.50	72459
	Total				5791022

Assistant Engineer(P),
U-Division, CPWD,
CGO Complex, New Delhi

Executive Engineer,
U-Division, CPWD,
CGO Complex, New Delhi

FINANCIAL BID

(Performa for Quoting the Rates)

CENTRAL PUBLIC WORKS DEPARTMENT					
NIT No: 22/EE/U-Div./2026-2027/1					
NAME OF WORK:- Replacement of floor tile at corridor, venetian blind at 13th floor B1 officer room, repair of all window, wall paneling of Reception area and beautification of reception area and other miscellaneous at 12th and 13th floor at AIR HQ, Pt. Deendayal Antyoda Bhawan, CGO Complex, Lodhi Road, New Delhi (SH: Civil work)					
SCHEDULE OF QUANTITY					
Sl. No.	Name of Components	Estimated Cost	Percentage above or below the Estimated Cost	%age in Figures	Total Cost
1.	CIVIL WORKS	Rs. 57,91,022.00			

Contractor