



**GOVERNMENT OF INDIA
OFFICE OF
EXECUTIVE ENGINEER, DELHI ELECTRICAL DIVISION-61,
C.P.W.D., PUSHPA BHAWAN, NEW DELHI.**

NOTICE INVITING TENDER

N.I.T. No. : 83/EE(E)/DED-61/2026-27

**NAME OF WORK : Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi.
(SH: Electrical & Civil Works).**

ESTIMATED COST : Rs.64,47,507/- (Electrical Rs. 62,24,361 + Civil Rs. 2,23,146)

EARNEST MONEY : Rs. 1,28,950/-

TIME ALLOWED : 06 Months

NIT amounting to Rs. 64,47,507/- (Rupees Sixty Four Lakh Forty Seven Thousand Five Hundred Seven Only) having Pages No. 1 to 143 is hereby approved.

**Executive Engineer (E)
Delhi Electrical Division-61**

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CENTRAL PUBLIC WORKS DEPARTMENT

Name of Work: Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works).

NIT No. 83/EE(E)/DED-61/2026-27

Time: -04 Months

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Certified that this N.I.T. contains page 1 to 143

PART -A

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

The Executive Engineer (E) DED-61 CPWD, Pushpa Bhawan, New Delhi (Email ID: eeded61@gmail.com) on behalf of the President of India invites online percentage rate bids from **approved and enlisted contractors of appropriate class (Building & Road category) in CPWD/specialized agencies who have executed similar nature of work** in two bids system (Eligibility Bid and Financial Bid) for the following work: -

S. No.	NI T No.	Name of Work & Location	Estimated Cost put to bid (Rs.)	Earnest Money	Stipulated Period of completion of work (in months)	Last date and time of on-line submission of Bid and other Documents as specified in the bid document	Time & date of opening of tender/ bid
1	2	3	4	5	6	7	8
1.	83/EE(E)/DED-61/2026-27	Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)	Estimated: -Rs. 64,47,507/- (Elect. Work Rs. 62,24,361/-) Civil Work Rs. 2,23,146/-)	Rs. 1,28,950/-	06 (Six) Months	11.00 AM On 26.09.2026	Opening of Eligibility Bid 11.30 AM on 26.09.2026 Opening Financial Bid shall be notified later on

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

Firm should either be Approved and Eligible CPWD Buildings & Roads Category Contractors or Specialized Agency fulfilling eligibility criteria.

- (A) Eligibility Criteria for Approved and Eligible CPWD Buildings & Roads Category Contractors: -
Should be having valid enlistment certificate in appropriate class and category for participation in tender process.

For execution of work firm should either be having experience of similar nature of work for individual subheads as per **Table A at page no. 40** or shall associate eligible agencies having experience of similar nature of work for individual subheads as per the criteria given in the **Table A at page no. 40**.

- (B) Eligibility Criteria of Specialized firm are as follows:

To be eligible for participation in the tender process specialized firm: -

- (a). Should have satisfactorily completed similar works during last seven years ending last day of the month previous to the one in which tenders are invited: -
(i). Three similar works each costing not less than 40% of estimated cost.

OR

- (ii). Two similar works each costing not less than 60% of estimated cost.

OR

- (iii). One similar work costing not less than 80% of estimated cost.

Similar work shall mean works of “SITC or Replacement of Lift” The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to previous day of last day of submission of bids.

Completion certificate issued by the officer not below the rank of Executive Engineer or equivalent will have to be furnished along with the application. The completion certificate must clearly indicate: -

- (i). Date of completion of work and amount
 - (ii). Nature of work with estimated cost
 - (iii). That the work has been completed satisfactorily
 - (iv). Cost of work done.
- (b) Should have had Average Annual Financial Turnover (50% of ECPT) on construction works during the last three years ending 31st March 2025 (Scanned copy of Certificate from CA with Unique Document Identification Number (UDIN) to be uploaded).

The value of Annual Turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annum.

- (c) Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five years ending 31st March 2025. Duly audited and certified by chartered accountant.
- (d) Should have a Banker's Certificate from a commercial Bank (40% of ECPT) or Net Worth certificate from CA with Unique Document Identification Number (UDIN) of minimum (10 % amount of ECPT) (Scanned copy of original to be uploaded).
2. 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.
 3. Information and Instructions for bidders posted on website shall form part of bid document.
 4. 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 www.etender.cpwd.gov.in
 5. But the bid can only be submitted after **deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of Bid submission** and uploading the mandatory scanned documents such as Banker's Cheque /Account Pay Demand Draft/Fixed Deposit Receipt (FDR)/Bank Guarantee (for balance amount as prescribed) of a Commercial Bank or Insurance Surety Bond towards EMD in favour of **Executive Engineer(E), ECD-V, CPWD, New Delhi, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE), CPWD** and other documents as specified.
 6. Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered/update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>.
 7. The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eM signer on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.
 8. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.
 9. Contractor can upload documents in the form of JPG format and PDF format.

10. Certificate of Financial Turn Over: At the time of submission of bid contractor may upload Affidavit/Certificate from CA mentioning Financial Turnover of last 7 years or for the period as specified in the bid document and further details if required may be asked from the contractor after opening of technical bids. There is no need to upload entire voluminous balance sheet.
11. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered; it turns sky blue.

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

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

12. The Eligibility bid shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors qualifying the Eligibility bid shall be communicated to them at a later date
13. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
14. Contractor should quote the percentage above or below to two places of decimal only.
15. **Pre-bid conference shall be held with the intending bidders in the office of Executive Engineer (E), DED-61, 3rd Floor, Pushpa Bhawan, New Delhi at: AM on onwards to clear the doubt of intending bidders, if any. Bidders should send all their queries by email to the Executive Engineer, DED-61, CPWD, Pushpa Bhawan, New Delhi – 110062 latest by 17.00 hrs. oneeded61@gmail.com As a result of pre-bid conference, certain modifications etc. may be required. All modifications/addendums/corrigendum issued regarding this bidding process, shall be uploaded on website only and shall not be published in any Newspaper.**

**LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF
BID SUBMISSION: -**

(A) As applicable for Approved and Eligible CPWD Buildings & Roads Category& Specialized Agency.

1. Banker's Cheque/Account Pay Demand Draft/Fixed Deposit Receipt (FDR)/Bank Guarantee (for balance amount as prescribed) of a Commercial Bank or Insurance Surety Bond against EMD.
2. Copy of receipt for deposition of original EMD to division office of any EE/CPWD.
3. Affidavit as per provisions of clause 1.3 of CPWD-6.
4. GST Registration Certificate.
If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.
"If work is awarded to me, I/we shall obtain GST Registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".
5. Any other Document as specified in the NIT

(B) As applicable for Specialized Agency.

1. Certificates of Work Experience.
2. Certificate of Financial Turnover from Chartered Accountant as per **Annexure A**.
3. Profit/Loss statement duly audited by Chartered Accountant for the last five financial years ending 31st March, 2025 as per **Annexure A**.
4. Banker's Certificate or Net Worth Certificate from Chartered Accountant.
5. Undertaking from intending bidder that they will associate OEM of Lift for sub head-II of Electrical Schedule of work and either they have experience of similar nature of work in subheads-IV Minor Component (Civil work) as per table -A at page-40 or they will associate eligible agencies having experience of similar nature of work in subheads-IV Minor Component (Civil work), within 10 days after issue of letter of award. **Failing which, our Performance Guarantee (PG) as well as Additional Performance Guarantee (APG) shall be liable to be forfeited**, without prejudice to any other action by the department.

(C) As applicable for Approved and Eligible CPWD Buildings & Roads Category.

1. Valid CPWD Registration in Building & Roads Category in Appropriate Class.
2. Undertaking from intending bidder that they will associate OEM of Lift for sub head-II of Electrical Schedule of work and either they have experience of similar nature of work in subheads-I & IV Minor Component (Civil work) as per table -A at page-40 or they will associate eligible agencies having experience of similar nature of work in subheads-I & IV Minor Component (Civil work), within 10 days after issue of letter of award. **Failing which, our Performance Guarantee (PG) as well as Additional Performance Guarantee (APG) shall be liable to be forfeited**, without prejudice to any other action by the department.

Format of Receipt of deposition of original EMD

Receipt of deposition of original Bank guarantee as EMD (Receipt No...../ date.....)	
NAME OF WORK:	Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)
1. NIT No.	83/EE(E)/DED-61/2026-27
2. Estimated Cost: Rs. 64,47,507/-	
3. Amount of Earnest Money Deposit:Rs. 1,28,950/-	
4. Last date of submission of bid	25.09.2026 upto 3.00PM
<i>(**To be filled by Tender Inviting Authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)</i>	
1. Name of Contractor.....#	
2. Form of EMD#	
3. Amount of Earnest Money Deposit.....#	
4. Date of submission of EMD.....#	
Signature, Name and Designation of EMD receiving officer alongwith Stamp	
(# to be filled by EMD receiving EE/DDH)	

CPWD-6 FOR e-TENDERING/BIDDING

Percentage Rate bids are invited on behalf of President of India from **approved and enlisted contractors of appropriate class (Building & Road category) in CPWD/specialized agencies who have executed similar nature of work** in two bids system (Eligibility Bid and Financial Bid) for the following work(s): - **“ Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)”**.

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

The Estimated: -Rs. 64,47,507/- (Elect. Work Rs. 62,24,361/- Civil Work Rs. 2,23,146/-) This estimate, however, is given merely as a rough guide.

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

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

- 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 **06(Six) 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 Full sites for the work are not available in one go. The site for the work will be made available **in parts**.
- 5 The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
- 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.
- 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 Banker's Cheque /Account Pay Demand Draft/Fixed Deposit Receipt (FDR)/Bank Guarantee (for balance amount as prescribed) of a Commercial Bank or Insurance Surety Bond **(drawn in favor of Executive Engineer (E), ECD-V, CPWD, New Delhi)** shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.

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

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

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

The bid submitted shall be opened at 11:30 PM on 26.09.2026

- 9 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 quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
- 10 The contractor whose bid is accepted will be required to furnish Performance Guarantee at specified percentage of the tendered amount as mentioned in Schedule E given as under and within the period specified in Schedule-F :
- (a) 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.
 - (b) A bid will be treated as abnormally low if the quoted bid amount is **lesser than 80%** of the estimated cost put to tender.
 - (c) **Requirement of Additional Performance Guarantee (APG):** In case of abnormally low bids as defined the 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 is 0.7A then the amount of APG shall be 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.

(As per O.M. No. DG/Manual-2024/20 dated 27.02.2026)

This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000) or Deposit at Call receipt of any Scheduled Bank / Banker's cheque of any Scheduled Bank / Demand Draft of any Scheduled Bank / Pay order of any Scheduled Bank (in case guarantee amount is less than Rs 1,00,000) or Government Securities or Fixed Deposit Receipts of a Scheduled Bank or Bank Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO and ESIC, including Provident Fund Code Number 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.

In case, after opening of tender, the bidder withdraws or modify the bid during the validity of tender including extended validity if any or after award of work fails to sign the contract or after acceptance fails to submit performance guarantee along with requisite documents mentioned elsewhere in the NIT or fail to submit either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO and ESIC, including Provident Fund Code Number if applicable and also ensure the compliance of aforesaid provisions by the sub-agencies, if any, engaged by the Bidder for the said work before the due date indicated in Schedule-F, the bidder

shall be suspended for one year and shall not be eligible to bid for CPWD tenders from the date of issue of suspension order as per undertaking given by bidder 'Form A'.

11 The description of the work is as follows: -

Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works.

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 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.

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

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

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

15 The contractor shall not be permitted to bid for works in the CPWD Circle responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

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

17 The bid for the works shall remain open for acceptance for a period of **seventy five (75) days** from the date of opening of bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.

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

- (a) The Notice Inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming the bid as issued at the time of invitation of bid and the rates quoted at the times of submission of the bid and acceptance thereof together with any correspondence leading thereto.
- (b) Standard CPWD Form-7, GCC 2023 (Construction work) as corrected/modified, amendments issued upto day previous to the last day of the online receipt of tender.

19 For Composite Bids

- 19.1.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document has been fixed with respect to the combined estimated cost put to tender for the composite bid.
- 19.1.2 The bid document will include following three components:-
- Part A:- CPWD-6, CPWD-7 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2023 as corrected/modified amendments issued upto day previous to the last day of the online receipt of tender.
- Part B: General / specific conditions, specifications and schedule of quantities applicable to major component of the work.
- Part C: Schedule A to F for minor component of the work. (EE in charge of major component shall also be competent authority under clause 2 and clause 5 as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.
- 19.1.3 The bidders must associate himself, with the agencies as per NIT conditions.
- 19.1.3 The eligible bidders shall quote rates for all items of major component as well as for all items of minor components of work.
- 19.1.4 After acceptance of the bid by competent authority, the EE(E) 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 no of EE's/DDH in charge of minor component of work. One such signed set of agreement shall be handed over to EE in charge of minor component. EE(E) of major component will operate part A and part B of the agreement, EE in charge of minor component shall operate Part C along with Part A of the agreement.
- 19.1.5 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 19.1.6 Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works.
- 19.1.7 The main contractor has to associate agencies for specialized components(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 minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component(s).
- 19.1.8 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of relevant specialized component(s).
- The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 19.1.9 The main contractor has to enter into MoU with agency(s) associated by him. Copy of such MoU shall be submitted to EE/DDH in charge of each relevant component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into MoU/agreement with the new contractor associated by him.
- 19.1.10 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.
- 19.1.11 (A) 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.
- (B) Final bill of whole work shall be finalized and paid by the EE(E) 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.

- 20 No advance payment is allowed in maintenance works, irrespective of the value of work.
- 21 In case of extension of agreement due to delay and/or reduction in scope of work due to foreclosure, no claim on account of reduction in value of work, loss of business, loss of profit, consequently overheads, any type of interest etc. shall be entertained.
- 22 If the exigencies of the work so demand, the engineer-in-charge may allow payment to a third party, who is creditor to the contractor, after fulfilling the conditions under clause 7B.

.....
Signature of Divisional Officer
For & on behalf of President of India

INFORMATION & INSTRUCTION FOR BIDDERS

GENERAL

1.0 DEFINITIONS

- 1.2 In this document the following words and expressions have the meaning hereby assigned to them.
- 1.3 EMPLOYER: Means the President of India, acting through the **Executive Engineer (E), DED-61, CPWD, New Delhi.**
- 1.4 Bidder: Means the individual, proprietary firm, firm in partnership, limited company private or public or corporation.
- 1.5 “Year” means “Financial Year” unless stated otherwise.

2.0 METHOD OF APPLICATION

- 2.1 If the bidder is an individual, the application shall be signed by him above his full type written name and current address.
- 2.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full typewritten name and the full name of his firm with its current address.
- 2.3 If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full typewritten name and current addresses or alternatively by a partner holding power of attorney for the firm. In the later case a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- 2.4 If the bidder is limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a public Notary

3.0 FINAL DECISIONMAKING AUTHORITY

The employer reserves the right to accept or reject any bid and to annul the process and reject all bids at any time, without assigning any reason or incurring any liability to the bidder.

4.0 PARTICULARS PROVISIONAL

The particulars of the work given in Section I are provisional. They are liable to change and must be considered only as advance information to assist the bidder.

5.0 SITE VISIT

The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings and himself collect all information that he considers necessary for proper assessment of the prospective assignment.

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE : DELHI

CIRCLE : DC-VI

BRANCH : E&M

DIVISION : DED-61

Percentage Rate e-TENDER & CONTRACT FOR WORKS

- (A) Tender for the work of: - **Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)**
- (i) To be uploaded by **11:00 hours on 26.09.2026** to uploaded at *www.etender.cpwd.gov.in* or *www.cpwd.gov.in*
- (ii) To be opened in presence of tenderers who may be present at **11:30 hours on 26.09.2026** in the office of **The Executive Engineer (E), DED-61, CPWD, Pushpa Bhawan, 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, of 2023 (Maintenance Works) with upto date amendments to 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 respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for Seventy Five (75) days from the date of opening of bid in case of two or three bid system and not to make any modifications in its terms & conditions.

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

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

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

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future for ever. 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 Performance Guarantee.

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

Dated: #.....

Signature of Contractor #

Witness: #

Postal Address #

Address: #

Occupation: #

To be filled in by the contractor

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)

Dated:

For & on behalf of President of India

Signature

Designation

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 Performance Guarantee/Security Deposit

1. Whereas the **Executive Engineer, DED-61, CPWD, Pushpa Bhawan, New Delhi** 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** 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 of 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 or demand by the Government. Notwithstanding anything mentioned above, our liabilities under this guarantee is restricted to Rs.....(Rupees.....only) and unless a claim in writing is lodged with is within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date.....

Witnesses:

1. Signature.....

Name and address

Authorized signatory

Name

Designation

Staff code no.

Bank seal

2. Signature.....

Name and address

*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.

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.

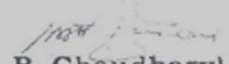
2. Hon'ble Tribunal had directed for mandatory strict adherence and compliance of above referred orders as well as MoEF guidelines 2010 while carrying out the construction activity.

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 relating to dust emission.
- It shall be the responsibility of every builder to transport construction material and debris waste to construction site, dumping site or any other place in accordance with rules and in terms of this order.
- All to take appropriate measures and to ensure that the terms and conditions of the earlier order and these orders should strictly comply with by fixing sprinklers, creations of green air barriers.
- Compulsory use of wetjet in grinding and stone cutting.
- Wind breaking walls around construction site.
- All the builders who are building commercial, residential complexes which are covered under the EIA Notification of 2006 shall provide green belt around the building that they construct. All Authorities shall ensure that such green belts are in existence prior to issuance of occupancy certificate.
- All builders shall ensure that C&D waste is transported in terms of this order to the C & D Waste site only and due record in that behalf shall be maintained by the builders, transporters and NCR of Delhi.
- Even if constructions have been started after seeking Environmental Clearance under the EIA notification 2006 and after taking other travel but is being carried out without taking the preventive and protective environmental steps as stated in this order and MoEF guidelines, 2010, the State Government, SPCB and any officer of any department as afore stated shall be entitled to direct stoppage of work.

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

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

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

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

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

Material storages / warehouses — Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to situations where winds on site could 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>".



CENTRAL PUBLIC WORKS DEPARTMENT

OFFICE MEMORANDUM

No. DG/CON/Misc./04

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAVAN, NEW DELHI

DATED: 23.01.2017

Sub : Compliance on Construction & Demolition Waste Management Rules, 2016 – Regarding Disposal of Waste to the approved by local Authority.

Ref : Ministry of Environment and Forest notification dt. 29.03.2016 Construction and Demolition Waste Management Rules 2016 in exercise of powers Conferred by Environment (Protection) Act 1986 (Available at web address www.moef.gov.in).

The above Rules notified by Ministry of Environment and Forest are brought to the notice of all NIT approving authorities and they are directed to incorporate suitable provisions in the special conditions and ensure compliance of the Rules.

This issues with the approval of ADG(TD).

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/C/17(1)/2017

Copy to:-

1. All Spl. DGs, CPWD, E-in-C, PWD, Delhi Govt. They are requested to endorse a copy of this O.M. to all ADGs, CEs, SEs & EEs concerned.

Executive Engineer (C)

[Published In the Gazette of India, Part-II, Section-3, Sub-section (ii)]
Ministry of Environment, Forest and Climate Change

NOTIFICATION

New Delhi, the 29th March, 2016

G.S.R. 317(E).—Whereas the Municipal Solid Wastes (Management and Handling) Rules, 2000 published vide notification number S.O. 908(E), dated the 25th September, 2000 by the Government of India in the erstwhile Ministry of Environment and Forests, provided a regulatory frame work for management of Municipal Solid Waste generated in the urban area of the country;

And whereas, to make these rules more effective and to improve the collection, segregation, recycling, treatment and disposal of solid waste in an environmentally sound manner, the Central Government reviewed the existing rules and it was considered necessary to revise the existing rules witha emphasis on the roles and accountability of waste generators and various stakeholders, give thrust to segregation, recovery, reuse, recycle at source, address in detail the management of construction and demolition waste.

And whereas, the draft rules, namely, the Solid Waste Management Rules, 2015 with a separate chapter on construction and demolition waste were published by the Central Government in the Ministry of Environment, Forest and Climate Change vide G.S.R. 451 (E), dated the 3rd June, 2015 inviting objections or suggestions from the public within sixty days from the date of publication of the said notification; and Whereas, the objections or suggestions received within the stipulated period were duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sections 6, 25 of the Environment(Protection) Act, 1986 (29 of 1986), and in supersession of the Municipal Solid Wastes (Management and Handling) Rules, 2000, except as respect things done or omitted to be done before such supersession, the Central Government hereby notifies the following rules for Management of Construction and Demolition Waste –

1. Short title and commencement.—(1) These rules shall be called the Construction and Demolition Waste Management Rules, 2016.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. Application.—The rules shall apply to every waste resulting from construction, re-modelling, repair and demolition of any civil structure of individual or organisation or authority who generates construction and demolition waste such as building materials, debris, rubble.

3. Definitions —(1) In these rules, unless the context otherwise requires, -

(a) “ ACT” means the Environment (Protection) Act, 1986 (29 of 1986);

(b) "**construction**" means the process of erecting of building or built facility or other structure, or building of infrastructure including alteration in these entities,;

(c) "**construction and demolition waste**" means the waste comprising of building materials, debris and rubble resulting from construction, re-modelling, repair and demolition of any civil structure;

(d) "**de-construction**" means a planned selective demolition in which salvage, re-use and recycling of the demolished structure is maximized;

(e) "**demolition**" means breaking down or tearing down buildings and other structures either manually or using mechanical force (by various equipment) or by implosion using explosives.

(f) "**form**" means a **Form annexed to these rules**;

(g) "**local authority**" means an urban local authority with different nomenclature such as municipal corporation, municipality, nagarpalika, nagarnigam, nagarpanchayat, municipal council including notified area committee and

not limited to or any other local authority constituted under the relevant statutes such as gram panchayat, where the management of construction and demolition waste is entrusted to such agency;

(h) “schedule” means a schedule annexed to these rules;

(i) “service provider” means authorities who provide services like water, sewerage, electricity, telephone, roads, drainage etc. often generate construction and demolition waste during their activities, which includes excavation, demolition and civil work;

(j) “waste generator” means any person or association of persons or institution, residential and commercial establishments including Indian Railways, Airport, Port and Harbour and Defence establishments who undertakes construction of or demolition of any civil structure which generate construction and demolition waste.

(2) Words and expressions used but not defined herein shall have the same meaning defined in the ACT.

(4) Duties of the waste generator –

(1) Every waste generator shall prima-facie be responsible for collection, segregation of concrete, soil and others and storage of construction and demolition waste generated, as directed or notified by the concerned local authority in consonance with these rules.

(2) The generator shall ensure that other waste (such as solid waste) does not get mixed with this waste and is stored and disposed separately.

(3) Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall segregate the waste into four streams such as concrete, soil, steel, wood and plastics, bricks and mortar and shall submit waste management plan and get appropriate approvals from the local authority before starting construction or demolition or remodelling work and keep the concerned authorities informed regarding the relevant activities from the planning stage to the implementation stage and this should be on project to project basis.

(4) Every waste generator shall keep the construction and demolition waste within the premise or get the waste deposited at collection centre so made by the local body or handover it to the authorised processing facilities of construction and demolition waste; and ensure that there is no littering or deposition of construction and demolition waste so as to prevent obstruction to the traffic or the public ordains.

(5) Every waste generator shall pay relevant charges for collection, transportation, processing and disposal as notified by the concerned authorities; Waste generators who generate more than 20 tons or more in one day or 300 tons per project in a month shall have to pay for the processing and disposal of construction and demolition waste generated by them, apart from the payment for storage, collection and transportation. The rate shall be fixed by the concerned local authority or any other authority designated by the State Government.

(5) Duties of service provider and their contractors –

(1) The service providers shall prepare within six months from the date of notification of these rules, a comprehensive waste management plan covering segregation, storage, collection, reuse, recycling, transportation and disposal of construction and demolition waste generated within their jurisdiction.

(2) The service providers shall remove all construction and demolition waste and clean the area every day, if possible, or depending upon the duration of the work, the quantity and type of waste generated, appropriate storage and collection, a reasonable timeframe shall be worked out in consultation with the concerned local authority.

(3) In case of the service providers have no logistics support to carry out the work specified in sub rules(1) and (2), they shall tie up with the authorised agencies for removal of construction and demolition waste and pay the relevant charges as notified by the local authority.

(6) Duties of local authority-The local authority shall

(1) issue detailed directions with regard to proper management of construction and demolition waste within its jurisdiction in accordance with the provisions of these rules and the local authority shall seek detailed plan or undertaking as applicable, from generator of construction and demolition waste

(2) chalk out stages, methodology and equipment, material involved in the overall activity and final clean up after completion of the construction and demolition

- (3) seek assistance from concerned authorities for safe disposal of construction and demolition waste contaminated with industrial hazardous or toxic material or nuclear waste if any
- (4) shall make arrangements and place appropriate containers for collection of waste and shall remove at regular intervals or when they are filled, either through own resources or by appointing private operators
- (5) shall get the collected waste transported to appropriate sites for processing and disposal either through own resources or by appointing private operators
- (6) shall give appropriate incentives to generator for salvaging, processing and or recycling preferably in-situ
- (7) shall examine and sanction the waste management plan of the generators within a period of one month or from the date of approval of building plan, whichever is earlier from the date of its submission
- (8) shall keep track of the generation of construction and demolition waste within its jurisdiction and establish a data base and update once in a year
- (9) shall device appropriate measures in consultation with expert institutions for management of construction and demolition waste generated including processing facility and for using the recycled products in the best possible manner
- (10) shall create a sustained system of information, education and communication for construction and demolition waste through collaboration with expert institutions and civil societies and also disseminate through their own website;
- (11) shall make provision for giving incentives for use of material made out of construction and demolition waste in the construction activity including in non-structural concrete, paving blocks, lower layers of road pavements, colony and rural roads.

(7) Criteria for storage, processing or recycling facilities for construction and demolition wasteland application of construction and demolition waste and its products-

- (1) The site for storage and processing or recycling facilities for construction and demolition waste shall be selected as per the criteria given in **Schedule I**;
- (2) The operator of the facility as specified in sub- rules (1) shall apply in **Form I** for authorization from State Pollution Control Board or Pollution Control Committee.
- (3) The operator of the facility shall submit the annual report to the State Pollution Control Board in **Form II**.
- (3) Application of materials made from construction and demolition waste in operation of sanitary landfill shall be as per the criteria given in **Schedule II**.

(8) Duties of State Pollution Control Board or Pollution Control Committee-

- (1) State Pollution Control Board or Pollution Control Committee shall monitor the implementation of these rules by the concerned local bodies and the competent authorities and the annual report shall be sent to the Central Pollution Control Board and the State Government or Union Territory or any other State level nodal agency identified by the State Government or Union Territory administration for generating State level comprehensive data. Such reports shall also contain the comments and suggestions of the State Pollution Control Board or Pollution Control Committee with respect to any comments or changes required;
- 2) State Pollution Control Board or Pollution Control Committee shall grant authorization to construction and demolition waste processing facility in **Form-III** as specified under these rules after examining the application received in **Form I**;
- (3) State Pollution Control Board or Pollution Control Committee shall prepare annual report in **Form IV** with special emphasis on the implementation status of compliance of these rules and forward report to Central Pollution Control Board before the 31st July for each financial year.

(9) Duties of State Government or Union Territory Administration-

- (1) The Secretary in-charge of development in the State Government or Union territory administration shall prepare their policy document with respect to management of construction and demolition of waste in accordance with the provisions of these rules within one year from date of final notification of these rules.
- (2) The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition waste.
- (3) The Town and Country planning Department shall incorporate the site in the approved land use plan so that there is no disturbance to the processing facility on a long term basis.
- (4) Procurement of materials made from construction and demolition waste shall be made mandatory to a certain percentage (say 10-20%) in municipal and Government contracts subject to strict quality control.

(10) Duties of the Central Pollution Control Board - (1) The Central Pollution Control Board shall,-

- (a) prepare operational guidelines related to environmental management of construction and demolition waste management;
- (b) analyze and collate the data received from the State Pollution Control Boards or Pollution Control Committee to review these rules from time to time;
- (c) coordinate with all the State Pollution Control Board and Pollution Control Committees for any matter related to development of environmental standards;
- (d) forward annual compliance report to Central Government before the 30th August for each financial year based on reports given by State Pollution Control Boards or Pollution Control Committees.

(11) Duties of Bureau of Indian Standards and Indian Roads Congress -The Bureau of Indian Standards and Indian Roads Congress shall be responsible for preparation of code of practices and standards for use of recycled materials and products of construction and demolition waste in respect of construction activities and the role of Indian Road Congress shall be specific to the standards and practices pertaining to construction of roads.

(12) Duties of the Central Government –

- (1) The Ministry of Urban Development, and the Ministry of Rural Development, Ministry of Panchayat Raj, shall be responsible for facilitating local bodies in compliance of these rules;
- (2) The Ministry of Environment, Forest and Climate Change shall be responsible for reviewing implementation of these rules as and when required.

13. Timeframe for implementation of the provisions of these rules -The timeline for implementation of these rules shall be as specified in **Schedule III**:

14. Accident reporting by the construction and demolition waste processing facilities-In case of any accident during construction and demolition waste processing or treatment or disposal facility, the officer in charge of the facility in the local authority or the operator of the facility shall report of the accident in **Form-V** to the local authority. Local body shall review and issue instruction if any, to the in charge of the facility.

Schedule I

Criteria for Site Selection for Storage and Processing or Recycling Facilities for construction and Demolition Waste [See Rule 7(1)]

- (1) The concerned department in the State Government dealing with land shall be responsible for providing suitable sites for setting up of the storage, processing and recycling facilities for construction and demolition and hand over the sites to the concerned local authority for development, operation and maintenance, which shall ultimately be given to the operators by Competent Authority and wherever above Authority is not available, shall lie with the concerned local authority.
- (2) The Local authority shall co-ordinate (in consultation with Department of Urban Development of the State or the Union territory) with the concerned organizations for giving necessary approvals and clearances to the operators.
- (3) Construction and demolition waste shall be utilized in sanitary landfill for municipal solid waste of the city or region as mentioned at Schedule I of these rule. Residues from construction and demolition waste processing or recycling industries shall be land filled in the sanitary landfill for solid waste.
- (4) The processing or recycling shall be large enough to last for 20-25 years (project based on-site recycling facilities).
- (5) The processing or recycling site shall be away from habitation clusters, forest areas, water bodies, monuments, National Parks, Wetlands and places of important cultural, historical or religious interest.
- (6) A buffer zone of no development shall be maintained around solid waste processing and disposal facility, exceeding five Tonnes per day of installed capacity. This will be maintained within the total area of the solid waste processing and disposal facility. The buffer zone shall be prescribed on case to case basis by the local authority in consultation with concerned State Pollution Control Board.
- (7) Processing or recycling site shall be fenced or hedged and provided with proper gate to monitor incoming vehicles or other modes of transportation.
- (8) The approach and or internal roads shall be concreted or paved so as to avoid generation of dust particles due to vehicular movement and shall be so designed to ensure free movement of vehicles and other machinery.
- (9) Provisions of weigh bridge to measure quantity of waste brought at landfill site, fire protection equipment and other facilities as may be required shall be provided.
- (10) Utilities such as drinking water and sanitary facilities (preferably washing/bathing facilities for workers) and lighting arrangements for easy landfill operations during night hours shall be provided and Safety provisions including health inspections of workers at landfill sites shall be carried out made.
- (11) In order to prevent pollution from processing or recycling operations, the following provisions shall be made, namely:
 - (a) Provision of storm water drains to prevent stagnation of surface water;
 - (b) Provision of paved or concreted surface in selected areas in the processing or recycling facility for minimizing dust and damage to the site.
 - (c) Prevention of noise pollution from processing and recycling plant:
 - (d) provision for treatment of effluent if any, to meet the discharge norms as per Environment (Protection) Rules, 1986.
- (12) Work Zone air quality at the Processing or Recycling site and ambient air quality at the vicinity shall be monitored.
- (13) The measurement of ambient noise shall be done at the interface of the facility with the surrounding area, i.e., at plant boundary.
- (14) The following projects shall be exempted from the norms of pollution from dust and noise as mentioned above:
For construction work, where at least 80 percent construction and demolition waste is recycled or reused in-situ and sufficient buffer area is available to protect the surrounding habitation from any adverse impact.

- (15) A vegetative boundary shall be made around Processing or Recycling plant or site to strengthen the buffer zone.

Schedule II

Application of materials made from construction and demolition waste and its products.
[See Rule 7(3)]

Sl. No.	Parameters	Compliance Criteria
1	Drainage layer in leach ate collection system at bottom of Sanitary Landfill Gas Collection Layer above the waste at top of Sanitary Landfill and Drainage Layer in top Cover System above Gas Collection Layer of Sanitary Landfill For capping of sanitary landfill or dumpsite, drainage layer at the top	Only crushed and graded hard material (stone, concrete etc.) shall be used having coarse sand size graded material (2mm – 4.75mm standard sieve size) Since the coarse sand particles will be angular in shape (and not rounded as for riverbed sand), protection layers of non-woven geo-textiles may be provided, wherever required, to prevent puncturing of adjacent layers or components.
2	Daily cover	Fines from construction and demolition processed waste having size up to 2 mm shall be used for daily cover over the fresh waste. Use of construction and demolition fines as landfill cover shall be mandatory where such material is available. Fresh soil (sweet earth) shall not be used for such places and borrow-pits shall not be allowed. Exception – soil excavated during construction of the same landfill. During hot windy days in summer months, some fugitive dust problems may arise. These can be minimised by mixing with local soil wherever available for limited period.
3	Civil construction in a sanitary landfill	Non-structural applications, such as kerb stones, drain covers, paving blocks in pedestrian areas

Schedule III

Timeframe for Planning and Implementation
[See Rule 13]

Sl. No.	Compliance Criteria	Cities with population of 01 million and above	Cities with population of 0.5-01 million	Cities with population of less than 0.5 million
1	Formulation of policy by State Government	06 Months	06 Months	06 Months
2	Identification of sites for collection and processing facility	18 months	18 months	18 months
3	Commissioning and implementation of the facility	18 months	36 Months	36 months
4	Monitoring by SPCBs	3 times a year – once in 4 months	2 times a year – once in 6 months	2 times a year – once in 6 months

**The time Schedule is effective from the date of notification of these rules.*

FORM – I
See [Rule 7 (2)]
Application for obtaining authorisation

To,
The Member Secretary

_____ Name of the local authority or Name of the agency :
appointed by the municipal authority

Correspondence address Telephone No. Fax No.	
Nodal Officer and designation (Officer authorized by the competent authority or agency responsible for operation of processing or recycling or disposal facility)	
Authorisation applied for (Please tick mark)	Setting up of processing or recycling facility of construction and demolition waste
Detailed proposal of construction and demolition waste processing or recycling facility to include the following Location of site approved and allotted by the Competent Authority. Average quantity (in tons per day) and composition of construction and demolition waste to be handled at the specific site. Details of construction and demolition waste processing or recycling technology to be used. Quantity of construction and demolition waste to be processed per day. Site clearance from Prescribed Authority. Salient points of agreement between competent authority or local authority and operating agency (attach relevant document). Plan for utilization of recycled product. Expected amount of process rejects and plan for its disposal (e.g., sanitary landfill for solid waste). Measures to be taken for prevention and control of environmental pollution. Investment on project and expected returns. Measures to be taken for safety of workers working in the processing or recycling plant. Any preventive plan for accident during the collection, transportation and treatment including processing and recycling should be informed to the Competent Authority (Local Authority) or Prescribed Authority	

Form-II
See [Rule (7) (3)]
Format for Issue of Authorisation to the Operator

File No.: _____

Date : _____

To,

Ref : Your application number _____ **Dt.**

The _____ State Pollution Control Board or Pollution Control Committee after examining the proposal hereby authorizes _____ having their administrative office at _____ to set up and operate construction and demolition waste processing facility at _____ on the terms and conditions (including the standards to comply) attached to this authorisation letter.

1. The validity of this authorisation is till _____. After expiry of the validity period, renewal of authorisation is to be sought.
2. The _____ State Pollution Control Board or Pollution Control Committee may, at any time, for justifiable reason, revoke any of the conditions applicable under the authorisation and shall communicate the same in writing.
3. Any violation of the provision of the construction and demolition Waste Management Rules, 2016 shall attract the penal provision of the Environment (Protection) Act, 1986 (29 of 1986).

Date: (Member Secretary)

**Place: State Pollution Control Board/
 Pollution Control Committee**

Form –III

See [Rule 8(2)]

Format of Annual Report to be submitted by Local Authority to the State Pollution Control Board

- (i) Name of the City or Town.....
- (ii) Population.....
- (iii) Name and address of local authority or competent authority
 Telephone No :
 Fax :
 Email ID:
 Website:
- (iv) Name of In-charge or Nodal Officer dealing with construction and demolition wastes management with designation

1. Quantity and composition of construction and demolition waste including any deconstruction waste

- (a) Total quantity of construction and demolition waste generated during the whole year in metric ton

Any figures for lean period and peak period generation per day

Average generation of construction and demolition waste (TPD)

Total quantity of construction and demolition waste collected per day

Any Processing / Recycling Facility set up in the city

Status of the facility

- (b) Total quantity of construction and demolition waste processed / recycled (in metric ton)

Non-structural concrete aggregate:

Manufactured sand:

Ready-mix concrete (RMC):

Paving blocks:

GSB:

Others, if any, please specify:

- (c) Total quantity of Construction & Demolition waste disposed by land filling without processing (last option) or filling low lying areas

No of landfill sites used:

Area used:

Whether weigh-bridge: Yes / No

facility used for quantity estimation?

- (d) Whether construction and demolition waste used in sanitary landfill (for solid waste) as per

Schedule III: Yes /No

23 Storage facilities

- (a) Area or location or plot or societies covered for collection of Construction and Demolition waste

- (b) No. of large Projects (including roadways project) covered

- (c) Whether Area or location or plot or societies collection is

Practiced (if yes, whether done by

Competent Authority or Local Authority or through Private Agency or Non-Governmental Organization) :

- (d) Storage Bins: -----

Specifications Existing Proposed

(Shape & Size) Number for future

- (i) Containers or receptacle (Capacity) :
 (ii) Others, please specify :
 (e) Whether all storage bins/collection spots are attended for daily lifting : Yes No
 (e) Whether lifting of Construction & Demolition Waste from Storage bins is manual or mechanical (please tick mark) please specify mode : Manual Mechanical Others, and equipment used (specify equipment)

3. Transportation-----

Existing Actually Required/Proposed number

Truck :
 Truck-Hydraulic :
 Tractor-Trailer:
 Dumper-placers:
 Tricycle :
 Refuse-collector :
 Others (Please specify) :

4. Whether any proposal has been made to improve Construction and Demolition waste management practices

5. Have any efforts been made to involve PPP for processing of Construction & Demolition waste : If yes, what is (are) the technologies being used, such as:

Processing / recycling Steps taken
 Technology (Quantity to be processed)

Dry Process :
 Wet Process :
 Others, if any :
 Please specify :

6. What provisions are available to check unauthorized operations of:

Encroachment on river bank or wet bodies :
 Unauthorized filling of low line areas :
 Mixing with solid waste :
 Encroachment in Parks, Footpaths etc. :

7. How many slums are provided with construction and demolition waste receptacles Facilities:

8. Are municipal magistrates appointed for taking penal action for non-compliance with these rules:

Yes No

[If yes, how many cases registered & settled during last three years (give year wise details)]

Dated: Signature of Municipal Commissioner

Form –IV**See [Rule (8)(3)]****Format of Annual Report to be submitted by the State Pollution Control Board / Committees to the Central Pollution Control Board**

To,
The Chairman,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi-110032

1. Name of the State/Union territory :
2. Name & address of the State
Pollution Control Board/Pollution
Control Committee :
3. Number of municipal authorities
responsible for management of municipal
solid wastes in the State/Union territory
under these rules :
4. A Summary Statement on progress made
by municipal authorities in respect of
implementation of **Schedule III**] : Please attach as Annexure-I
5. A Summary Statement on progress made by
municipal authorities in respect of
implementation of **Schedule IV** : Please attach as Annexure-II

Date: Chairman or the Member Secretary
State Pollution Control Board/
Place: Pollution Control Committee

Form –V
See [Rule14]
Accident reporting

1. Date and time of accident :
2. Sequence of events leading to accident:
3. The type of construction and demolition waste involved in accident :
4. Assessment of the effects of the accidents
 - a. on traffic, drainage system and the environment:
5. Emergency measures taken :
6. Steps taken to alleviate the effects
 - a. of accidents :
7. Steps taken to prevent the recurrence
 - a. of such an accident :
8. Regular monthly health checkup of workers at
 - a. Processing / recycling site shall be made
9. Any accident during the collection,
 - a. transportation and treatment including
 - b. processing and recycling should be informed
 - c. to the Competent Authority (Local Authority) or
 - d. Prescribed Authority

Date : Authorized Signatory
Place: Designation

[18-6/2014-HSMD]

NOTE:- 1. This Card is valid only for specified working place/place of duty. 2. The Contractor is fully responsible for any misuse of this card beyond duty hours/days. 3. The Contractor bears responsibility for the character of Cardholder worker.	• Sl. No..... WORKERS IDENTITY CARD Name of Agency with address :- Telephone No./Mobile Registration No. :- VALID UPTO
---	---

Name of Worker :- Present Address:- Permanent Address:- Identification Mark:- Place of Duty	Photo Signature of Worker Signature of Contractor :
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FINANCIAL INFORMATION

Financial Analysis - Details to be furnished duly supported by figures in balance sheet / Profitand Loss account for the last five years duly certified by the Chartered Accountant as submittedby the Applicant to the Income - Tax Department (copies to be attached). (The balance sheet incase of Pvt./ Public Ltd. Company means its standalone finance statement and consolidatedfinancial statement both) (copies to be attached)

Particulars	2020-21	2021-22	2022-23	2023-24	2024-25
i) Gross Annual turnover on construction works.*					
ii) Profit (After tax) /Loss.*					

*** The bidder should give information strictly in above format**

Signature of Accountant with Seal

Signature of Bidder(s).

THE MINIMUM ELIGIBILITY CRITERIA FOR ASSOCIATION OF AGENCIES**Table-A**

S. no.	Componentsof Works	EstimatedCost in Rs.	Eligibility
			Approved and eligible CPWD Buildings & Roads category contractors if themselves not eligible in any sub head, shall have to associate with agency fulfilling the following eligibility criteria having successful completed similar work during last seven years ending last day of the month previous to the one in which tenders are invited: - OR Specialized firms if themselves not eligible in any sub head, shall have to associate with agency fulfilling the following eligibility criteria having successful completed similar work during last seven years ending last day of the month previous to the one in which tenders are invited: - (i). Three similarworks each costing not less than 40% of estimated cost. OR (ii). Two similar works each costing not less than 60% of estimated cost. OR (iii). One similar work costing not less than 80% of estimated cost.
	PART-B Major Component (Electrical work) Sub Head: I (SITC of Lift)		Should have satisfactorily completed similar worksduring last seven years ending last day of the monthprevious to the one in which tenders are invited: Three similar works each of value not lessthan 40% of Sub Head Cost. Or Two similar works each Value not less than60% of Sub Head Cost. Or One similar work value not less than 80% of SubHead Cost. Similar work shall mean “SITC/Replacement of Lift”
2.	PART-B Major Component (Electrical work) Sub Head: II (Comprehensive Maintenance of Lift)		The contractor must associate OEM/OEA of Installed Lift
3.	PART-C Minor Component (Civil work)		Approved and enlisted contractors of appropriate class (Building & Road category) in CPWD

Part-B

Major Component

(Electrical Work)

PERFORMA OF SCHEDULES (A to F for Electrical work)

SCHEDULE 'A'				
मात्राओं की अनुसूची (संलग्न) Schedule of quantities			As attached (Electrical Work) Page No. 53-57	
SCHEDULE 'B'				
Schedule of materials to be issued to the contractor Schedule				
S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
-----NIL----- (Material required for the work shall be arranged by the Contractor)				
SCHEDULE 'C'				
Tools and plants to be hired to the contractor				
S.No.	Description	Hire charges per day	Place of Issue	
1	2	3	4	
-----NIL----- (shall be arranged by the Contractor)				
SCHEDULE 'D'				
Extra schedule for specific requirements/documents for the work, if any.			NIL	
SCHEDULE 'E'				
Reference to General Conditions of contract			Reference to General Conditions of Contract (GCC Construction Works 2023) as modified & corrected upto previous day of the last date of submission of the tender.	
Name of Work :				
Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)				
Estimated cost of work :			Total : Rs.64,47,507/- Elect. Work: Rs. 62,24,361/- Civil Work: Rs. 2,23,146/-	
(i)	Earnest money		Rs. 1,28,950/-	
(ii)	निष्पादन गारंटी Performance guarantee		(a) 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.	

		(b) A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender. (c) Requirement of Additional Performance Guarantee (APG): In case of abnormally low bids as defined the 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 is 0.7A then the amount of APG shall be 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. (As per O.M. 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 -		Executive Engineer (E) DED-61, CPWD, New Delhi
Definitions:		
2 (v) Engineer-in-Charge		Executive Engineer (E) DED-61, CPWD, New Delhi
2(vi) Accepting Authority		Superintending Engineer, Delhi Circle-VI, CPWD, New Delhi or successor thereof
2(x) Percentage on cost of materials and labour to cover all overheads and profits		15%
njksa dh ekudvuqlwph Standard schedule of Rates		Delhi Schedule of Rates 2025 (as modified & correction issued upto day previous to the last date of submission of online receipt of tender) and Market Rate
2(xi) Department		Central Public Works Department
9(ii) Standard CPWD Contract Form :		Standard CPWD Contract Form General Conditions of Contract 2023 (Construction Works) for CPWD Form – 7/8 as modified & corrected upto previous day of the last date of submission of the tender.
Clause 1		
(i) Time allowed for submission of Performance Guarantee along with requisite documents mentioned elsewhere in the NIT, Programme Chart (Time and Progress) and applicable Labour Licences, Registration with EPFO and ESIC or proof of applying thereof from the date of issue of letter of acceptance, and also ensure the compliance of aforesaid provisions by the sub-agencies, if any, engaged by the Bidder, in days		07 Days
(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance		03 Days

Guarantee amount beyond the period provided in (i) above			
Clause 2 Authority for fixing compensation under clause 2		Superintending Engineer, Delhi Circle - 6, CPWD New Delhi or successor thereof	
Clause 2A Applicable clause/clause 2A		No	
Clause 5 Number of days from the date of issue of letter of acceptance for reckoning date of start		10 Days	
Table of Mile-stones		As per Table given below	
S. No.	Description of Milestone (Financial)	Time Allowed in days (from date of start)	Amount to be withheld in case of non achievement of Milestone
1.	Gross work done 1/8 th of Electrical work	¼ of the total period	In the event of not achieving the necessary progress as assessed from the running payment, 1.25% of the tendered value of work will be withheld for failure of each milestone.
2.	Gross work done 3/8 th of Electrical work.	½ of the total period	
3.	Gross work done 3/4 th of Electrical work	¾ of the total period	
4.	Completion of work done i/c testing etc. Complete.	Full period	
Time allowed for execution of work		06 Months	
Authority to decide :-			
(i) Authority to convey the decision of shifting of milestone and extension of time.		Executive Engineer (E) DED-61, CPWD, New Delhi	
(ii) Authority to decide rescheduling of mile stone and extension of time		Superintending Engineer Delhi Circle-6, CPWD New Delhi or successor thereof	
(iii) Shifting of date of start in case of delay in handing over of site		Superintending Engineer Delhi Circle-6, CPWD New Delhi or successor thereof	
Clause 5 Applicable Clause5/Clasue5A		Clause 5	
Clause 6 Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal		Applicable (EMB)	
Clause 7 Gross work to be done together with net payment/adjustment of advances for material		Rs. 25 Lakhs	

collected, if any, since the last such payment for being eligible to interim payment	
Clause 7A Whether Clause 7A shall be applicable	Yes
Clause 8 Competent Authorities to inspect and issue completion certificate	Engineer-in-charge
Clause 10 A List of testing equipment to be provided by the contractor at site lab:	Applicable
[Clause 10 B	Not Applicable
Clause 10C Component of Labour expressed as percent of total value of work	Applicable - 25%
Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column Applicable/ Not Applicable Schedule of Component of materials, Labour etc. For price escalation. Component of Civil	Not Applicable expressed as percent of total value of work. – Xm.....
Specifications to be followed for execution of work	C.P.W.D. General Specifications for Electrical works Part-1 Internal (2023), Part-II External (2023), Part-V Wet Riser & Sprinkler Systems – 2020&Part-VI Fire Detection and Alarm System – 2018as modified & correction issued upto day previous to the last date of submission of online receipt of tender.
Clause 12 Type of Work The completion cost of agreement should not exceed 1.5 times of Tendered amount	Maintenance Work
Authority to decide Deviation:-	
(i) Upto 1.25 times of Contract Amount (With recorded reasons)	Engineer-in-charge
(ii) Beyond 1.25 times upto 1.50 times of Contract Amount (With recorded reasons)	Superintending Engineer Delhi Circle-6 or successor thereof
(Modified as per SOP - 2024)	
12.3 Deviation limit beyond which clause 12.2 & 12.3 shall apply for building work	No Limit
Clause 16 Competent Authority for deciding reduced Rates	SE, Delhi Circle-6, CPWD New Delhi, upto 5% value of Agmt. Quantity beyond that with the approval of ADG (Delhi) .
Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site:	As per actual required at site and shall be arranged by the contractor.

Clause 19:-The Contractor shall obtain a valid license under the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971 before the commencement of the work, and continue to have a valid license until the completion of the work.

The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment & Conditions of Service) Act, 1979. The contractor shall also abide by the provisions of the Child 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, 1966.

Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

Clause 19 C	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 D	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 G	 Authority to decide penalty for each default	Engineer – in - charge
Clause 19 K	 Authority to decide compensation for each default	Engineer – in - charge

Clause 25	
Settlement of Disputes by Conciliation and Arbitration :	
	For all claims in disputes.
1. Conciliator-	Additional Director General (Delhi)
2. Arbitrator Appointing Authority	Superintending Engineer, DC-6, CPWD, New Delhi
Place of Arbitration	New Delhi

Clause 32

Requirement of Technical Representative(s) and recovery Rate

Requirement of Technical staff		Minimum Experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling	
Minimum Qualification of Technical Representatives	Number (of Major + Minor Component)			Figures	Words
Graduate Engineer or Diploma Engineer	1+1	2 or 5 respectively	Project manager cum planning /quality/Site/billing Engineer	Rs. 15,000/- per month/ per person	Rs. Fifteen Thousand per month per person
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 2023 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

SPECIAL CONDITIONS FOR ASSOCIATION OF AGENCY

1. Original Consent letter of such selected associated agency for association shall also be enclosed in the prescribed format as per FORM-X at Annexure "B".
2. After approval of associated agency by Engineer-in-charge, the main contractor will submit MOU signed with the associated agency as per FORM-Y at Annexure 'C' in shape of affidavit on stamp paper duly attested by notary in original. The MOU shall be signed by both the parties" i.e. main contractor as 1st party and associated Agency as 2nd party, independently for subheads work(s).
3. The associated agency and the main contractor shall attend the site during inspection of the work by the Engineer-in-Charge or higher authority.
4. The main contractor shall be entirely responsible and answerable for all the works done by his associated agency regarding their quality, adherence to the laid down specification, terms and conditions, warranty/guarantee etc as per the agreement and he shall be liable to bear any compensation that may be levied by the department under any of the clauses of the agreement.
5. In the event of associated work, the main contractor on written directions of the Engineer-in-charge, shall remove the Associated Agency deployed on the work and shall submit name of new associated Agency as per eligibility criteria mentioned in the NIT to execute the left over associated work without any loss of time after completion of all formalities mentioned in NIT.
Also if main contractor wants to change the associated agency during the currency of the contract, he shall submit name of new associated Agency as per eligibility criteria mentioned in the NIT to execute the left over associated work after completion of all formalities mentioned in NIT.
6. The main contractor shall be responsible and liable for proper and complete execution of the all works including civil work and ensure coordination and completion of all associated electrical & civil works.
7. Running payment for the work shall be made to the main contractor. In case main contractor fails to make the payment to the associated agency by him within 15 days of receipt of each running account payment then on the written complaint of any associated agency for such work, Engineer-in-Charge shall serve the show cause to main contractor and after considering the reply of the same he may make the payment directly to the concerned associated agency for the work as per the terms & conditions of the agreement/M.O.U. drawn between main contractor and associated agency fixed by him, if reply of main contractor either not received or found unsatisfactory. Such payment made to the associated agency shall be recovered by Engineer-in-Charge from the next RA/final bill due to main contractor as the case may be.

ELIGIBILITY CRITERIA FOR APPROVAL OF LIFT MANUFACTURER

The lift manufacturer shall satisfy the following conditions: -

1. The lift manufacturer shall comply with BIS standards, duly certified by the manufacturer itself.
2. The manufacturer shall be complaint to the Public Procurement (Preference to Make in India), Order 2017 (as amended from time to time) issued by the Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry.
3. The manufacturer shall furnish an undertaking regarding availability of spares for the entire life of the lift i.e. 15 to 20 years.
4. The complete lift installation i/c its components, safety devices, various types of controls etc., testing, inspection, operation & maintenance shall confirm to relevant Codes, Standards, Code of practices, Guidelines, Safety Rules, Inspection Manual (s), Rules issued by Bureau of Indian Standards, as amended upto the last date of receipt of tenders.
5. Quality standards shall conform to latest IS/ISO- 9001:2015.
6. The down time of installed lifts, which are being maintained by the manufacturer, shall not be more than 08 hours (average) in case of minor faults and 07 days (average) in case of major faults during the last one financial year.
7. The OEM will unconditionally support the lowest tenderer technically throughout the execution of contract as well as for Maintenance/ Comprehensive Maintenance Contract for the useful life of the system.

8. Guarantee / warrantee for the supplied equipments for a period of 1 year from the date of completion of work.
9. The Engineers / Designers / Experts of OEM will supervise and inspect installation during the execution of work and shall issue healthiness certificate of installation. Manufacturer / OEM shall then issue onsite warrantee of materials installed along with the serial number of equipments
10. The final commissioning report along with the certificate of supervision of OEM about the installations to be submitted.

Note: OEM for “SITC of Lift” shall also execute the item of Annual Comprehensive Maintenance Contract of Lifts as per S.No. 14 Schedule of Qty. as per agreement provisions and standard conditions for maintenance of Lifts. No change in agency shall be acceptable for AMC part and OEM shall specifically agree to take up AMC also in MoU.

ANNEXURE 'B'**Form -X****CONSENT LETTER FROM ELIGIBLE ASSOCIATE AGENCY**

Name of work: - **Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)**

1. I / We hereby give my consent to associate with M/s, for executing the of work of (Mention Subhead work).
2. I / We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer-in-Charge for the electrical work till the completion of the work.
3. I / We will be responsible for necessary action to handover the installations and for rectification of defects and repair during the maintenance / warranty period.
4. Also, I / We will employ full time technically qualified Engineer / supervisor for the work(s) component of the work as required for the work. I / We will attend inspection of officers of the department as and when required.

Date:

Signature with date of Main Agency/Contractor

Signature with date of Associate Agency

Address

Address

1. Witness with address

(From main contractor side)

2. Witness with address

(From associated agency)

Form-YMEMORANDUM OF UNDERSTANDING [M.O.U] BETWEEN

1] M/S [Name of the firm/agency with full address]

Enlistment Status

Valid Upto:

[Henceforth called the main contractor]

And

2] M/S [Name of the firm/agency with full address]

Enlistment Status

Valid Upto:

[Hence forth, called Associated Agency]

1. For the execution of Electrical Work(s) “ **Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works)**”

We state that M.O.U between us will be treated as an agreement and has legality as per Indian Contract Act [amended upto date] and the department [CPWD] can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MOU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MOU permits. In case of any dispute, either of us will go for mediation by the EE (E), DED-61, CPWD, New Delhi. Any of us may appeal against the mediation to the ADG(Delhi), CPWD, New Delhi. His decision shall be final and binding on both of us.

We have agreed as under:

- 1] The associated agency will execute all electrical work in the wholesome manner as per terms and conditions of the agreement and as per the direction of the Engineer-in-charge.
- 2] That the Associated agency has gone through the contract and has understood the scope of work required for the purpose of executing electrical work.
- 3] All the machinery and equipments, tools and plants, special T&P required for execution of the specialized work(s), as per agreement, shall be the responsibility of the associated ed agency.
- 4] The site staff required for the electrical work(s) shall be arranged by the associated agency as per terms and conditions of the agreement.
- 5] Site order book maintained for the said work shall be signed by the authorized representative of main contractor as well as Associated Agency.
- 6] All the correspondence regarding execution of the electrical work(s) shall be done by the Department with the Associated agency with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated agency shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

SIGNATURE OF MAIN CONTRACTOR

Date:

Place:

SIGNATURE OF ASSOCIATED AGENCY.

Date:

Place:

TERMS AND CONDITIONS FOR ELECTRICAL WORK

1. The work shall be carried out in accordance with CPWD specification for electrical work Part –I Internal-2023, and Part–II External-2023, Part-III Lifts & Escalators-2003 (as amended up to date). All installation shall comply with the requirement of Indian Electricity Rules -1956 as amended up to date and as per instruction of Engineer-in-charge.
2. All the materials to be used on the work by the contractor shall be got approved from the Engineer-in-charge before use on the work. The rejected materials shall have to be replaced by the contractor at his own cost and the same should be removed from the site immediately.
3. Works with bad workmanship are liable to be rejected.
4. Only ISI marked steel/PVC conduits, wires, cables, switches, socket outlets, ceiling roses, lamp holders (wherever applicable) etc shall be used. These shall be got approved from the Engineer-in charge before use at work.
5. The contractor is advised to visit the site before quoting this tender to apprise himself about the site environments and other conditions.
6. The contractor is bound to sign the site order book as and when required by the Engineer-in-charge and shall carry out the instructions recorded therein.
7. Any damage done to the existing building while executing the electric work should be make good to the satisfaction of the department within scope of the work for which nothing extra shall be paid. The chases, holes etc. cut in the walls and roofs should be filled within two days. All malba should be removed on the same day by using gunny bag/mats for collection of malba. In case of failure to do so it will be got done by the Engineer-in-charge or his authorized representative at contractor's risk and cost.
8. All chase cutting for laying of conduits in walls shall be done with electric chase cutter only.
9. All the hidden works shall be carried out in the presence of Engineer-in-charge or his authorized representative with giving sufficient prior intimation.
10. The contractor shall make his own arrangements for storing the materials and watch & ward at his own cost, even for the installation till the completion of the work and handing over of the building/quarters.
11. The contractor shall make his own arrangement for all general and special tools and plants required for the work at his own cost and nothing extra shall be paid on this account.
12. The rates quoted by the firm/contractor shall be inclusive of GST.
13. The work will be executed in a manner so that no inconvenience will be the occupants. No claim for idle labour on account of this shall be entertained.
14. The earth connection to main switches/boards/DB's etc. shall be done with lugs/thimbles properly soldered or with crimping tool within the quoted rates and nothing extra shall be paid on this account.
15. All the dismantle materials shall be stored at place by the contractor, which must be cleared at the earliest.
16. All termination of wires in MCB DB shall be done with copper thimbles / ferrules within the scope of the work and nothing extra shall be paid on account of this.
17. All screws/nuts bolts should be galvanized/cadmium plated shall be use at site.
18. If any accident occurs during the execution of work, the firm/contractor will be responsible for all these accidents and no compensation will be paid by the Deptt. to workers or to the contractor.
19. Workers engaged by the contractor for execution of work shall be liability of the contractor and they will not be considered for any type of regular employment in the Department, in any case.
20. The contractor is liable to obey/ follow the guidelines and rules issued time to time by the Deptt. Regarding EPFO, ESIC, Registration with labour license.
21. The following percentage of contract rates shall be payable against the stages of work shown herein for Lift:

Stage of work	Percentage to be paid
I. After initial inspection (wherever specified) & delivery at site in good condition on pro-rata basis for Lift	70%

II. On completion of pro-rata installation of Lift	15%
III. On testing and commissioning of Lift	10%
IV. On submission completion plan, Hand Over and Safety Certificate etc	5%

List of Preferred Makes for Electrical Works

S. No	Details of Materials / Equipments	Manufacturer's Name / Make
1.	Lift	T K Elevators India Pvt Ltd/Schindler India Pvt Ltd/Johnson Lifts Pvt Ltd/OTIS Elevator Company (India) Ltd/Omega Elevators
2.	Copper/Aluminium conductor wire/cable	Finolex/RRKabel/Polycab/Havells/KEI/Gloster/Rallison
3.	MS/PVC Conduit	BEC /NIC / AKG /Polypack/ Precision/ Norpack
4.	MCB/MCCB/MCB DB/RCB/RCCB	Schneider Electric / Legrand / Hager / L&T / ABB / Seimens
5.	LED Fittings	Philips/Havells/LT/Regent/Wipro/Havells/Crompton
6.	Any Other Item	As per direction of Engineer-in-Charge

For Items/Materials not covered in the list above, the 1st quality material is to be used as per the Nomenclature of items or 1st quality material of the reputed Make/Brand required to be used for execution of either agreement item or any Extra item as per approval and direction of Engineer-in-Charge after approval of NIT approving authority.

Schedule of Quantity

Name of work: Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi.(SH-Electrical & Works)

S.No	Description of items	Qty	Unit	Rate	Amount
1	Supplying, Installation, Testing & Commissioning of following capacity passenger Machine room less (MRL) lift as per CPWD General Specification for Electrical Works (Part-III Lift & Escalator) 2003, BIS Codes, NBC 2016 as amended upto date having provision for barrier free access as per Harmonised Guidelines & Standards for Universal Accessibility in India - 2021 of MoHUA, serving different floors in the lift shaft as per detailed specifications enclosed and as under including all other equipment and accessories etc complete as Required. (i) Speed-1.0 MPS(ii) Floors-(G+ 2)(iii) Travel -10-12 Meters (approx.)(iv) Stops & opening- 3 stops and 3 openings(v) Controller: A.C. variable voltage & variable frequency(vi) Automatic rescue device (ARD) complete with dry maintenance free batteries as required.vii) Operation: Microprocessor based single automatic push button/simplex selective collective/duplex collective selective with/without attendant (Call Button should be hand operated as well as foot operated in car and each floor), brail signage push button in COP & LOP(viii) Power-415 Volts+10%, 3 phase, 50 Hz, 4 wires system(ix) Car Enclosure: Stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish) on all sides and stainless steel decorative ceiling with fans (indirect throw) and LED fitting.(x) The car flooring should be smooth granite and antiskid as approved by engineer-in-charge.(xi) Type of doors (a) Car door: Power operated, centre opening minimum size 900 x 2000mm, horizontal sliding- fire rated with toughened glass/stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish).(b) Landing doors: stainless steel scratch proof.(xii) A Mirror & SS 304 grade hand rail not less than 600mm long at 900mm above floor level to be fixed adjacent to control panel in the lift car.				

	(xiii) Voice announcement system in the car to announce the position of the elevator in the hoist way as the car passes or stops at floor served by the elevator. (xiv) Closed loop Control System, protection against power fluctuation, self diagnostic control, Landing doors 2 hours Fire rated, Overload detection and protection, Overspeed Governor, Dot Matrix LED D & P Indicators In Car & Landings, BMS Compatibility tamper proof infrared curtain covering almost the entire height of the lift car door, Alarm horn, Anti Nuisance Operation, Firemen switch, 2/3 way intercom (Intercom facility connected with the respective reception during rescue of lift car) , Emergency Stop Switch with battery backup for fan and light fitting for 1 hour, pit ladder. (xv) The lift doors shall have a vision panel to enable persons with hearing impairment to signal for help or assistance in the event of an emergency. (xvi) An appropriate technological support be provided (Through emergency messaging services or alarms etc.) to respond to the emergency requirements of person with hearing impairment or deafness. (xvii) In case of failure of ARD or other electronic devices, a provision of manual rescue be provided (xviii) Automatic voltage regulator & phase sequence corrector, earthquake sensor , pit ladder.				
1.1	10 passenger (680 Kgs)	2	Job	1515665.00	3031330.00
2	Supplying, Installation, Testing & Commissioning of following capacity passenger Machine room less (MRL) lift as per CPWD General Specification for Electrical Works (Part-III Lift & Escalator) 2003, BIS Codes, NBC 2016 as amended upto date having provision for barrier free access as per Harmonised Guidelines & Standards for Universal Accessibility in India - 2021 of MoHUA, serving different floors in the lift shaft as per detailed specifications enclosed and as under including all other equipment and accessories etc complete as Required.(i) Speed-1.0 MPS(ii) Floors-(G+2)(iii) Travel -10-12 Meters (approx.)(iv) Stops & opening- 3 stops and 3 openings(v) Controller: A.C. variable voltage & variable frequency(vi) Automatic rescue device (ARD) complete with dry maintenance free batteries as required.vii) Operation: Microprocessor based single automaticpush button/simplex selective collective/duplex collective selective with/without attendant (Call Button should be hand operated as well as foot operated in car and each floor) , brail signage push button in COP & LOP(viii) Power-415 Volts+10%, 3 phase, 50 Hz, 4 wires system(ix) Car Enclosure: Stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish) on all sides and stainless steel decorative ceiling with fans (indirect throw) and LED fitting.(x) The car flooring should be smooth granite and antiskid as approved by engineer-in-charge.(xi) Type of doors (a) Car door: Power operated, centre opening minimum size 900 x 2000mm, horizontal sliding- fire rated with toughened glass/stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish).(b) Landing doors: stainless steel scratch proof.(xii) A Mirror & SS 304 grade hand rail not less that 600mm long at 900mm above floor level to be fixed adjacent to control panel in the lift car.				

	(xiii) Voice announcement system in the car to announce the position of the elevator in the hoist way as the car passes or stops at floor served by the elevator. (xiv) Closed loop Control System, protection against power fluctuation, self diagnostic control, Landing doors 2 hours Fire rated, Overload detection and protection, Overspeed Governor, Dot Matrix LED D & P Indicators In Car & Landings, BMS Compatibility tamper proof infrared curtain covering almost the entire height of the lift car door, Alarm horn, Anti Nuisance Operation, Firemen switch, 2/3 way intercom (Intercom facility connected with the respective reception during rescue of lift car) , Emergency Stop Switch with battery backup for fan and light fitting for 1 hour, pit ladder. (xv) The lift doors shall have a vision panel to enable persons with hearing impairment to signal for help or assistance in the event of an emergency. (xvi) An appropriate technological support be provided (Through emergency messaging services or alarms etc.) to respond to the emergency requirements of person with hearing impairment or deafness. (xvii) In case of failure of ARD or other electronic devices, a provision of manual rescue be provided (xviii) Automatic voltage regulator & phase sequence corrector, earthquake sensor , pit ladder.				
2.1	8 passenger (544 kg)	1	Job	1492208.00	1492208.00
3	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 Meter long etc. with charcoal/ coke and salt as required.	6	Nos.	15004	90024.00
4	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required.	36	Mtrs.	1024	36864.00
5	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	72	Mtrs.	1638	117936.00
6	Wiring for light/ power plug with 2X4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable for loop earthing as required.	30	Mtrs.	373	11190.00
7	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
7.1	3x1.5 Sq.mm.	36	Mtrs.	104	3744.00
8	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.				
8.1	25 mm	33	Mtrs.	289	9537.00

9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	9	Nos.	545	4905.00
10	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
10.1	4 way (4 + 12), Double door	2	Nos.	7951	15902.00
11	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, Ics=100% Icu and Operational Voltage 690V etc. as required				
11.1	100 A, 16 KA,TPMCCB	1	Nos.	4003	4003.00
11.2	125 A, 16 KA,TPMCCB	1	Nos.	5103	5103.00
12	Supplying and fixing following rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
12.1	6-32 A SP MCB	6	Nos.	285	1710.00
12.2	63A TP	6	Nos.	2687	16122.00
13	Supplying & Fixing of LED Bulk Head Fitting made of aluminum die cast housing duly powder coated and polycarbonate opal diffusser, IP65, color temperature 5700K-6500K system efficacy $\geq 110\text{lm/W}$ (not LED Chip efficacy), CRI ≥ 80 , Minimum System Output ≥ 1100 Lumens, useful life of 50,000 hrs at L70 & driver having PF ≥ 0.9 & THD $<10\%$ and Surge Protection of 2.5 KV etc. complete as required.	9	Nos.	1287.00	11583.00
	Total of SH-I				4852161.00
14	Annual Comprehensive maintenance of lift of 8/10 passenger accessories to upkeep the system in perfect working condition i/c repairing/ replacement of defective parts etc. as required. - 3 Nos				
14.1	AMC for 1st Year	UNDER WARRENTY			
14.2	AMC for 2nd Year	12	Months	26400	316800.00
14.3	AMC for 3rd Year	12	Months	28250	339000.00
14.4	AMC for 4th Year	12	Months	30250	363000.00
14.5	AMC for 5th Year	12	Months	32350	388200.00
14.6	AMC for 6th Year	12	Months	34600	415200.00
	Total of SH-II				1822200.00
15	Dismantling & credit buyback of the following material (As is where is basis) & clearing the site etc as required.				
15.1	(G.+2) Floor lift (8 Passenger Lift)	3	Nos.	-150000	-450000.00
	Total of SH-III				-450000.00
	Total of SH-(I+II+III)				6224361.00

Note:- The rate of item no. 15.1 shall be effective in the bill of the contractor at the rate quoted by the contractor or rates mentioned in NIT whichever is higher for example if a contractor quoted 10% below, than his rates for item no 15.1 shall remain same as per NIT and if contractor quoted 10% above than his rated for item no. 15.1 shall be calculated on 10% above side.

Executive Engineer (E)

PART-C

Minor Component

(Civil work)

अनुसूचियों के प्रारूप क से च/ PROFORMA OF SCHEDULES A to F

(संयुक्त निविदा देने वाले निविदाकार को सिविल, वैद्युत व बागवानी अनुसूचियां अलग दी जाएगी।)

(Separate proforma for civil, electrical & horticulture works in case of composite tenders)

अनुसूची 'क' **SCHEDULE 'A'**

मात्राओं की अनुसूची (लोक निर्माण विभाग 3 फार्म के अनुसार – संलग्न)

Schedule of quantities (As per PWD 3 - Enclosed)

As per schedule attached.

अनुसूची 'घ' **SCHEDULE 'D'**

कार्य के लिए विशेष अपेक्षाएं/दस्तावेज, यदि कोई हों/ की अतिरिक्त अनुसूची

Extra schedule for specific requirements/documents for the work, if any.

-----Nil-----

अनुसूची 'ड' **SCHEDULE 'E'**

ठेके की सामान्य शर्तों का संदर्भ

1. Reference to General Conditions of contract. **GCC-2023 (Maintenance Work) with upto date correction slip till date of receipt of tender.**

कार्य का नाम

Name of work :--: As per Major Component

कार्य की अनुमानित लागत Estimated cost of work: : Rs **As per Major Component**

- (i) धरोहर राशि: **Earnest Money:** : Rs **As per Major Component**

- (ii) निष्पादन गारंटी **Performance guarantee :** 5% of accepted tendered value or estimated cost put to tender (ECPT) whichever is higher **as per CPWD Office Memorandum No. DG/Manual-2024/20 issued on 27.02.2026).**
अनुमानित लागत पर स्वीकृत निविदित मूल्य का 5 प्रतिशत या जो भी अधिक हो as per CPWD Office Memorandum No. DG/Manual-2024/20 issued on 27.02.2026).

- (iii) प्रतिभूति निक्षेप: **Security Deposit:** 2.5% of tendered value निविदित मूल्य का 2.5 प्रतिशत

अनुसूची 'च' **SCHEDULE 'F'**

सामान्य नियम एवं दिशानिर्देश:

General Rules & Directions:

निविदा आमंत्रण करने वाला प्राधिकारी

Officer inviting tender -

As per Major component

कार्य की मर्दों की मात्रा के लिए अधिकतम प्रतिशत जिससे अधिक निष्पादित

मर्दों के लिए दरों का निर्धारण खण्ड 12.2 और 12.3 के अनुसार होगा

निम्नानुसार

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.

see below

Definitions:

2(v)

भारसाधक इंजीनियर

Engineer-in-Charge

Major Component (E&M Works): Executive Engineer(E), DED-61, CPWD, or successor thereof

Minor Component (Civil Works): Executive Engineer "V" Division, CPWD, or successor thereof

2(vii)	स्वीकार कर्ता प्राधिकारी Accepting Authority	As per Major component
2(x)	अतिरिक्त और लाभों को पूरा करने के लिए सामग्रियों की लागत पर प्रतिषतता Percentage on cost of materials and labour to cover all overheads and profits.	15%
2(xi)	दरों की मानक अनुसूची Standard schedule of Rates	Delhi Schedules of Rate 2023 with upto date correction slips and prevailing market rates.
2(xii)	विभाग Department	Central Public Works Department
9(ii)	मानक के.लो.नि.वि. ठेका फार्म तक संशोधित और शोधित के.लो.नि.वि. फार्म 7 Standard CPWD contract form	GCC-2023 (Maintenance Work) with upto date correction slip till date of receipt of tender.
खण्ड Clause1] (i) स्वीकृती पत्र जारी होने की तारीख से निष्पादन गारंटी तथा अतिरिक्त निष्पादन गारंटी के प्रस्तुतीकरण, कार्यक्रम चार्ट(समय तथा प्रगति) तथा लागू श्रम लिसेंस, ईपीएफओ और बीओसीडब्लू कल्याण बोर्ड के साथ पंजीकरण यथा वहाँ आवेदन करने के प्रमाण ,		
(ii) उपर्युक्त (i) में दी गई अवधि से आगे कार्यनिष्पादन गारंटी तथा अतिरिक्त निष्पादन गारंटी राशि का 0.1 प्रतिशत प्रतिदिन की दर से विलम्ब शुल्क के साथ अधिकतम अनुमेय विस्तार		
(i) Time allowed for submission of performance Guarantee & Additional Performance Guarantee (if applicable) , Programme chart(Time and progress) and applicable labour license, registration with		
EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days		
(ii) Maximum allowable extension with late fee @ 0.1% per day of performance guarantee		
3 days		
and Additional Performance Gurantee(if applicable) amount beyond the period provided in (i) above.		
खण्ड Clause 2	खण्ड 2 के तहत प्रतिकर निश्चित करने वाला प्राधिकारी Authority for fixing compensation under clause 2	<u>As per Major Componet</u>
खण्ड Clause 2A	क्या खण्ड 2 क लागू होगा। Whether clause 2A shall be applicable	NO
खण्ड Clause 5	कार्य आरम्भ करने की तारीख की गणना के लिये स्वीकृती पत्र जारी होने की तारीख से दिनों की संख्या.....10..... दिन लक्ष्य नीचे दी गई सारणी के अनुसार	

Number of days from the date of issue **10 days.**
of letter of acceptance for reckoning date
of start Mile stone(s) as per table given below

Clause 5.2 :- Nature of Hindrance Register:-----

Physical

Clause 5.4

Schedule of rate of recovery for delay in submission of the modified programme in terms of delay days.

S. No.	Contract Value	Recovery Rs.
I	Less than or equal to Rs. 1 Crore.	500/-
II	More than Rs.1 Crore but less than or equal to Rs. 5 Crore.	1000/-
III	More than Rs.5 Crore but less than or equal to Rs. 20 Crore.	2500/-
IV	More than Rs.20 Crore.	5000/-

लक्ष्य / मील – पत्थर । सारणी :

लक्ष्य नीचे दी गई सारणी के अनुसार

iii) List of Milestones : --

As per Table given below

क्र० सं० S.No.	लक्ष्य का विवरण (वास्तविक) Description of Mile Stone (Physical)	अनुमत्य समय/कार्य आरंभ की तारीख से/ Time allowed (from date of start)	लक्ष्य प्राप्त ना होने की स्थिति में रोकी जाने वाली राशि Amount to be withheld in case of non achievement of milestone
1	1/8 वा भाग /सम्पूर्ण कार्य का 1/8 th (of Whole Work)	1/4 वा भाग /सम्पूर्ण कार्य का 1/4 th (of Whole Work)	जैसा की चल भुगतानों से निर्धारित किया गया है आवश्यक प्रगति न होने की स्थिति में, प्रत्येक लक्ष्य असफल होने पर कार्य के निविदीत मूल्य का 1.25 प्रतिशत रोक दिया जायेगा। In the event of not achieving the desired progress as assessed from the running payments, 1.25 % of the tendered value of work shall be withheld for failure for each Milestone.
2	3/8 वा भाग /सम्पूर्ण कार्य का 3/8 th (of Whole Work)	1/2 वा भाग /सम्पूर्ण कार्य का 1/2 th (of Whole Work)	
3	3/4 वा भाग /सम्पूर्ण कार्य का 3/4 (of Whole Work)	3/4 वा भाग /सम्पूर्ण कार्य का 3/4 th (of Whole Work)	
4	सम्पूर्ण Full	सम्पूर्ण Full	

कार्य निष्पादित करने के लिए अनुमत्य समय

Time allowed for execution of work

As per Major Component

Authority to decide:-

निर्णायक प्राधिकारी

(i) Authority to convey the decision of shifting of milestone and extension of time	EE (V-Division), CPWD, New Delhi or his successor thereof.
(ii) Authority to decide rescheduling of mile stones and extension of time	SE (DC-VI), CPWD, New Delhi or his successor thereof.
(iii) Shifting of date of start in case of delay in handing over of site	SE (DC-VI), CPWD, New Delhi or his successor thereof.

Schedule of handing over of site.

Part	Portion of site	Description	Time period for handing over reckoned from date of issue of letter of intent.
Part - A	Portion without any hindrance	-----	10 days
Part – B	Portions with encumbrances		

Part - C	Portions dependent on work of other agencies.		

खण्ड 6

खण्ड लागू – 6

Clause applicable – (6 – CMB/EMB)

EMB-Applicable

खण्ड Clause 7 अंतरिम भुगतान के लिए पात्र होने के लिए अंतिम ऐसे भुगतान के बाद कुल भुगतान एकत्रित सामग्रियों के अग्रिमों के समायोजन सहित किया जाने वाला कुल कार्य
Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment

1,50,000/-

खण्ड Clause 7 A Whether Clause 7A shall be applicable.

Yes

खण्ड Clause 10A

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

Clause 10A

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

As below:-**LIST OF EQUIPMENTS FOR SITE LABORATORY**

SL	PARTICULARS	ITEM	QUANTITY
I.	Aggregate Testing	1. Set of coarse sieves 30 cm dia (GI Sheet frames) with aperture size (40 mm, 25 mm, 20 mm, 16 mm, 17.5 mm , 10 mm, 4.75 mm all with lid and pan)	1 Set
		2. Set of fine sieves 20 cm dia of Brass with aperture size (4.75 mm, 2.36 mm, 1.18 mm, 600 mic, 300 mic, 150 mic, 75 mic, all with lid and pan)	1 Set
II.	Weighing Equipment	1. Physical Balance capacity 200 gms.	1 No.
		2. Dial type spring balance having knob capacity 100 kgs reading to ½ kg.	1 No.
III.	Water measuring equipment	1. Measuring cylinder capacity 500ml, 250ml, 100ml	1 Nos./each
		2. Beakers with capacity 200ml, 50ml.	1 Nos./each
IV.	Laboratory Tools	1. Measuring tape 3 mtr., 5 mtr., 15 mtr.	1 Nos./each

And other equipment as required to conducting the necessary tests in the field lab as per specifications and quality assurance plan shall be provided and installed at site in the well-furnished Site Laboratory by the contractor.

खण्ड 10 ख (ii)

क्या खण्ड 10 ख (ii) लागू होगा

लागू नहीं ।

Clause 10 B (ii) (Mobilization Advance)

Whether clauses 10 B (ii) shall be applicable.

Not Applicable.

खण्ड 10 ग

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

Clause 10 C

Component of labour expressed as percent of value of work =

Not Applicable.

खण्ड 10 गक

लागू नहीं।

Clause 10 CA**Not Applicable.**

खण्ड ग ग खण्ड 10 ग ग उन संविदाओं पर लागू होगा जिसमें कार्य समापन की अवधि, अगले कालम में दर्शायी गई अवधि से अधिक अनुबंधित हैं।

लागू नहीं।

Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.	<u>Not Applicable.</u>
Clause 10D Dismantled material Govt. Property.	<u>Applicable.</u>

खण्ड Clause 11 कार्य निष्पादन के लिए अनुपालन किए जाने वाले विनिर्देश

Clause 11 Specifications to be followed for execution of work

CPWD specification 2019,

Volume-I & II with correction slips issued upto the date of Receipt of tender.

खण्ड 12

Clause 12**Type of work**

Maintenance Work i/c works of upgradation, Aesthetic, Special Repair, Addition/Alteration.

Authority to decide deviation upto 1.5 times of tendered amount

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 visà-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. 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 the Engineer-in-charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account. Superintending Engineer, DC-6, CPWD, or his successor there of

12.2 & 12.3 विचलन सीमा, जिसके परे खण्ड 12.2

होंगे।
which

तथा 12.3 अनुरक्षण कार्य लिये लागू
Deviation limit beyond

clause 12.2 & 12.3 shall apply for maintenance works

No limit

- 12.5 (d) विचलन सीमा जिसके परे खण्ड 12.2 तथा 12.3 नीचे कार्य (दिल्ली दर अनुसूची में मिट्टी कार्यो के उपशीर्ष तथा उससे संबंधित मदों के अलावा) के लिए लागू होंगे
- (i) **Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)**
- No limit**
- (ख) विचलन सीमा, जिसके परे खण्ड 12.2 तथा 12.3 दिल्ली दर अनुसूची में मिट्टी कार्यो के उपशीर्ष में मदों तथा उससे संबंधित मदों के लिए लागू होंगे
- (ii) **Deviation limit for item mentioned in earth work subhead of DSR and related item**
- No limit**

खण्ड Clause 16

घटी हुई दरे निर्धारित करने की लिए सक्षम प्राधिकारी

Competent Authority for deciding reduced rates .

SE/DC-VI/CPWD New Delhi ; upto 5% of the contract value/ ADG(DR),CPWD, New Delhi .

खण्ड 18

कार्यस्थल पर ठेकेदार द्वारा लगाये जाने वाली अनिवार्य मशीनरी, औजार एवं सयंत्र की सूची:-

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site. As per requirement at site/ Contract provisions.

Clause 19:-The Contractor shall comply with the provision of the Contract Labour (R&A) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971. The contractor shall also obtain a valid license under the said Act before the Commencement of the work, and continue to have a valid license until its completion.

The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment & Conditions of Service) Act, 1979. 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, 1966.

Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

Clause 19C authority to decide penalty for each default.
 Clause 19D authority to decide penalty for each default.
 Clause 19G authority to decide penalty for each default.
 Clause 19K authority to decide penalty for each default.

EE/ V-Division, CPWD
 EE/ V-Division, CPWD
 EE/ V-Division, CPWD
 EE/ V-Division, CPWD

Clause 25

Constitution of Dispute Redressal Committee:

For all claims in disputes.

1. Conciliator- Additional Director General (RD)
2. Arbitrator Appointing Authority Superintending Engineer, DC-6, CPWD, New Delhi
3. Place of Arbitration New Delhi

CLAUSE 30 – The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.

(i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.

(ii) If water is supplied by the department then 1% water charges shall be deducted from gross amount of bill.

CLAUSE 32 -

Requirement of Technical Representative (s) and recovery Rate

Requirement of Technical staff		Minimum Experience (Years)	Designation of Technical staff	Rate at which recovery shall be made from the contractor in the event of not fulfilling	
Minimum Qualification of Technical Representatives	Number (of Major + Minor Component)			Figures	Words
Graduate Engineer or Diploma Engineer	1 of major component	2 or 5 respectively	Project Manager cum planning /quality/site/billing Engineer	Rs. 15,000/- per month/ per person	Rs. Fifteen Thousand per month per person

सरकारी सेवा से सेवानिवृत्ति वे सहायक इंजीनियर जो डिप्लोमाधारक हो, ग्रेजुएट इंजीनियर के बराबर माने जाएंगे

Assistant Engineers retired from Govt. Services that are holding Diploma will be treated at par with Graduate Engineers'.

डिप्लोमाधारक इंजीनियर को प्रतिष्ठित निर्माण कम्पनी में कम से कम दस साल के उपयुक्त अनुभव होने की दशा में ग्रेजुएट इंजीनियर के बराबर माने जाएंगा परंतु ऐसे डिप्लोमाधारक इंजीनियर ग्रेजुएट इंजीनियर की तैनाती की आवश्यकता के पचास प्रतिशत से अधिक न हो।

Diploma holder with minimum 10 year relevant experience with a reputed construction Co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers. (As per OM 285, dt. 21.8.13)

खण्ड Clause 38

1) क) के.लो.नि.वि द्वारा मुद्रित दिल्ली दर अनुसूची के आधार पर सीमेंट और बिटुमन की अनुमानमूल मात्रा निर्धारित करने के लिए अनुसूची/विवरण -----

1) (a) Schedule/statement for determining

theoretical quantity of cement & bitumen On the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D with upto date correctionslips.

- II) अनुमानमूलक मात्राओं में अनुमत्य विचलन
Variations Permissible On Theoretical Quantities
- क) सीमेन्ट जिन कार्यों के लिए निविदा में अनुमानित
मूल्य रु. 25 लाख से अधिक न हो 3 प्रतिशत जमा/घटा
3% plus/minus.
- a) Cement for works with estimated cost put to tender not more than Rs. 25 lakhs
जिन कार्यों के लिए निविदायें अनुमानित
मूल्य रु. 25 लाख से अधिक हो 2 प्रतिशत जमा/घटा
2 % plus/minus.
- ख) बिटुमन सभी कार्यों के लिए 2-5 प्रतिशत केवल जमा और
घटा के पक्ष में शून्य
2.5% plus only & nil on minus
- b) Bitumen for all works
- ग) इस्पात प्रत्येक व्यास, कोट और श्रेणी के लिए
पूनर्बलन और संरचनात्मक इस्पात काट 2 प्रतिशत जमा/घटा
- c) Steel Reinforcement and structural steel sections for each diameter, section and category. 2% plus/minus
- घ) सभी अन्य सामग्रियां शून्य
- d) All other materials Nil.

ADDITIONAL AND SPECIAL CONDITIONS FOR CIVIL WORK

1.1 The lowest bidder shall engage specialized agency with the approval of Engineer-in-charge for execution of specialized works.

In case there is any discrepancy between English Version and corresponding Hindi Version
Wherever provided, Then the provisions of English Version will prevail .

- 1.3 Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.
- 1.4 The contractor shall work according to the programme of work as approved by the Engineer-in-charge, for which purpose, the contractor shall submit a tentative programme of the work within 15 days from the stipulated date of start of the work.
- 1.5 The Contractor will have to work according to the program of work decided by the Engineer-in-charge. Wherever desired by Engineer-in-charge the contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge & this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up .No extra claim whatsoever beyond the payment due at agreement rates will be entertained from the contractor on this account .
- 1.6 The contractor shall take instructions from the Engineer-in-charge for stacking of materials at site. No excavated earth or building materials shall be stacked on areas where the buildings, roads, services or compound walls are to be constructed.
- 1.7 If as per municipal rules the huts for labourers are not to be erected at the site of work by the contractors, the contractors shall provide such accommodation at such locations as are acceptable to local bodies, for which nothing shall be payable.
- 1.8 Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing shall be payable to him on this account. However, payment for centering, shuttering, if required

to be done for floor heights greater than 3.5m, shall be admissible, if not already specified otherwise.

- 1.9 The working drawings appearing at para 8.1(iii) of conditions of contract in the form CPWD-7, shall mean to include both architectural and structural drawings respectively. The structural and architectural drawings shall be properly correlated before executing the work. In case of any difference noticed between architectural and structural drawings, final decision, in writing of the Engineer-in-charge shall be obtained by the contractor before proceeding further.
- 1.10 Samples for particular items of work shall be prepared, for prior approval of the Engineer-in-charge before taking up the same on mass scale and nothing shall be payable on this account.
- 1.11 If ISI marked products are available, the contractor shall use only ISI marked products. In other cases, the materials shall conform to CPWD specifications. In case a materials/product is neither covered by ISI nor by CPWD specification, the work shall be carried out as per sound engineering practice, in which case the decisions of the Engineer-in-charge shall be final & binding. In such cases Engineer-in-charge shall satisfy himself about the quality of such materials and give his approval in writing . Only articles classified as first quality by the manufacturers shall be used unless otherwise specified . All materials not having ISI mark shall be tested as per relevant ISI specifications . The Engineer-in-charge may relax the condition regarding testing if the quantity of the materials required for the work is small . In all cases of used of ISI marked materials proper proof of procurement of materials from authentic manufacturers shall be provided by the contractor to the entire satisfaction of Engineer-in-charge.
- 1.12 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restriction / instructions and nothing extra shall be payable on this account.
- 1.13 Unless otherwise specified all materials (e.g. stone and other valuable material) obtained in the work of dismantling, excavation etc. shall be considered Government's property and shall be neatly stacked at site & in the manner as decide by the Engineer- in-charge.
- 1.14 The contractor shall make his own arrangements for obtaining electric connections, if required, and make necessary payments directly to the department concerned.
- 1.15 Other agencies doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, opening etc. For laying/burying in the work pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same. The contractor shall extend necessary co-operation to them without any claim on this account.
- 1.16 Cast iron pipes and fittings without ear shall be used. However, pipes and fittings with ears may be accepted without any extra payment. In such cases, clamps are not required and no extra payment shall be made for fixing the pipes in a different manner.
- 1.17 Any cement slurry added over base surface for bond or for continuation of concreting, its cost shall be deemed to have been included in the respective items, unless specified otherwise and nothing extra shall be payable nor extra cement shall be considered in the cement consumption on this account.
- 1.18 Stacking of materials and excavated earth including its disposal shall be done as per the directions of the Engineer-in-Charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost.
- 1.19 No claim for idle establishment & labour, machinery & equipments, tools & plants and the like, for any reason whatsoever, shall be admissible during the execution of work as well as after its completion.
- 1.20 (a) The building work will be carried out in the manner complying in all respect with the requirements of relevant bylaws 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 will be paid on this account.

(b) The work of water supply, internal sanitary installations and the drainage work etc may required to be carried out as per local Municipal Corporation or such local body-Bylaws and
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the contractor in such cases shall produce necessary completion certificate from such authorities after completion of the work.

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

(d) The contractor shall comply proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which he may be liable.

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

1.21.1 The work pertaining to the items of internal finishing should be started in consultation and with prior approval of Engineer-in-Charge as soon as the structure of two floors is completed.

1.22 All materials equivalent to the one specified should be got approved by the Engineer-in-charge before using the said materials in the work.

1.23. Any damage to work resulting from weathering conditions, defacing or from any other cause such as negligent act on the part of contractor, until the work is taken over by the Department after completion of work, shall be made good by the contractor, at his own cost.

1.24 The tendered rates are inclusive all taxes, cess and levies etc. payable under the respective statutes.

1.25 **TESTING OF MATERIALS**

(a) Samples of various materials required for testing shall be provided by the contractor free of cost. Testing of materials to be used in the work shall be carried out through laboratories of Government Departments / Government Institutions / Semi-Government Organizations / All Government Institutions, Indian Institutes of Technology (IITs), National Institutes of Technology (NITs), Central and State Research Centres, and other Central or State funded laboratories, which are approved by the SDG/ADG of the Region. Testing may also be carried out through NABL-accredited or BIS-approved private laboratories, subject to approval of the SDG/ADG of the Region.

All testing charges, if any, shall be borne by the contractor. Any other expenditure required to be incurred for collection of samples, packing, transportation, conveyance, or incidental charges shall also be borne entirely by the contractor.

(b) The contractor shall produce all the materials in advance so that there is sufficient time for testing and approving of the materials and clearance before use in work.

(c) With a view to avoid controversy about quality of cement concrete as revealed in the test results of 7 days cubes falling short of the prescribed standards by over 10% to 20% and pending testing of balance 3 cubes for 28 days as final confirmatory acceptance tests, crushed samples of cement concrete from the failed 7 days cubes should be preserved in a sealed bag.

(d) In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out crushing strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same, proper curing and carriage upto the laboratory where the test is to be performed. The cube test can be performed at any laboratory approved by the Engineer-in-charge.

1.26 The contractor shall provide at his own cost electric ovens and suitable weighing and measuring arrangements at site as may be necessary for execution of work.

1.27 The contractor is supposed to inspect the building / work site before tendering. He should collect and get acquainted with all relevant prevailing conditions of site restrictions, facilities etc. available for proper and smooth execution of work

1.28 If as per municipal rules or Client Department rules, the huts for labourers are not be executed at site of work by the contractor, the same shall be complied with by the contractor. The department shall not provide any alternative site or space at any location and all necessary arrangement shall

have to be made by the contractor at his own cost. Nothing extra whatsoever shall be payable on this account.

- 1.29 Wherever desired by Engineer-in-charge, the contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge & this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim, whatsoever beyond the payment due at agreement rates, will be entertained to the contractor on this account.
- 1.30 Dismantling of cement concrete flooring inside the quarters shall be done with the help of mechanized vibratory hammer, drills etc. The work shall be carried out in such a way that there should be least disturbance to the adjoining allottees and work should be completed within least possible time. The contractor must ensure that there should be no damaged to supporting RCC members.

FOR UPGRADATION WORKS OF VACANT QUARTERS.

- 1.31 The work of addition and alterations covered under this contract shall be carried out in the individual vacant quarters. The vacant quarters may be made available to the contractor for execution of work in piece meal/ in parts, and the contractor shall execute the work in these vacant quarters made available to him and the contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.
- 1.32 No labour huts shall be allowed inside the campus of above said work. The contractor shall arrange for the stay of labour outside the campus including transport and nothing extra shall be payable on the account.

Proposed Condition for inclusion in General Conditions for Contract of CPWD. (as per letter NO. CON/ADG(NR-II)/01/09, dated 13.08.2013)

- 1.33 Till the work is almost completed to be satisfaction of Engineer-in-charge.
 - (a) Contractor shall not divert any advance payments or part thereof for any other purpose other than needed for completion of the contracted work. All advance Payments received as per term of the contract (i.e. mobilization, secured against materials brought at site, secured against plant & machinery and /or for work done during interim stages, etc.) are required to be re-invested in the contracted work to ensure advance availability resources in terms of materials, labour, plant & machinery needed for required pace of progress for timely completion of work.
 - (b) All running account bills preferred by the contractor for advance payments shall be processed only if Engineer-in-charge is satisfied that upto date investments (excluding security deposit & Performance guarantee and Additional Performance guarantee, which are not considered as investments) made by the contractor against contracted work are more than the payments received. Accordingly, all running account bills shall be supported with an account of upto date payments received vis-à-vis upto date investments made on the work to enable engineer-in-charge to check to his satisfaction that the payments made by engineer-in-charge are properly utilised only on the work and nowhere else.

1.34 Goods & Service Tax(GST)

Goods & Service Tax (GST) shall be applicable as per Govt. of India notification and shall be deducted by the department accordingly.

2.0 Operation and Management of Service Centre

- 1.1 Service centre will operate in full strength from 9:00 AM to 5:00 PM on all days except Sundays and National Holidays. Additional arrangements shall be made for registration and attending emergent complaints related to electricity, Sewerage & plumbing etc. from 6:00 A.M to 10:00 PM on all days i/c Sundays & Holidays.
- 1.2 The contractor shall take immediate action to attend to any complaint assigned to him through site order book / verbal instructions from Engineer-

in-Charge or on telephones / through call centre of CPWD, from occupants. In all cases he shall attend the complaints in the specified duration as mentioned below:-

- 1.3 No delay complaints – Complaints of emergent nature such as electricity not being available. Plumbing or sewerage systems not working etc. are to be attended immediately on the same day.
- 1.4 Minor Complaints – Complaints relating to the trades of mason, carpenter and welder are to be attended within 48 hours.
- 1.5 Major Complaints – Complaints other than no delay and minor complaints. Such complaints are to be attended with in shortest reasonable time i.e. within 07 days in consultation with Engineer-in-Charge.
- 1.6 Necessary Complaint Diary/complaint-attendance books shall be maintained by the contractor in respect of complaints received and shall be got signed by the allottees, after attending.
- 1.7 In case of failure to meet these deadlines 1.3,1.4 and 1.5 above a lump sum amount of Rs. 700/- (Rs. Seven Hundred only) per complaint per day will be recovered from his bills / Security Deposit for each default to attend the complaints assigned to him.
- 1.8 The contractor shall take immediate action to attend any complaint downloaded by him from CPWD e-SEWA Website or assigned to him through site order book/verbal instructions from Engineer-in-charge or on telephone/CPWD e-SEWA from occupants. Contractor shall endeavour to attend the minor complaints in the Green benchmark time as mentioned in CPWD e-Sewa. In no case the % of complaints attended in GREEN plus yellow benchmark time every calendar month shall be less than 90% in case of civil complaints and 90% in case of electrical complaints. In case of failure on part of contractor to meet these parameters a lump sum amount of Rs.10000/- shall be recovered from contractors bill for every such month of default for respective civil and electrical bills separately. If this % falls below 80% in case of civil complaints and 80% in case of electrical complaints a lump sum amount of Rs. 50000/-shall be recovered from contractors bill for every such month of default for respective civil and electrical bills separately.
- 1.9 The contractor or his Engineer at the Service Centre shall maintain complaint register, logbooks, etc. as required for nature of work at service centre / pump house etc.
- 1.10 In order that the contractor may take daily instructions regarding all complaints / works except day to day maintenance, a site order book will be maintained at the Enquiry Office. The JE will note down the work in flats to be attended to and the dates on which the work in these flats is to be started.
- 1.11 Day to day repairs is to be carried out in all the buildings under maintenance of this contract. For this purpose a compliant register shall be maintained for recording of the complaints received at enquiry counter/on phone/through call centre/ordered/intimated in writing.

PARTICULAR SPECIFICATIONS FOR CIVIL WORK

1.0 GENERAL

1.1 The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).

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

1.2.2 Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality and to be got approved from the Engineer-in-charge and screened as required. The same shall consist of hard siliceous material. It shall be clean sand.

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

1.4 All the materials required to be tested shall be tested as per provisions of the relevant I.S. Codes. Should there be any difference between acceptance CRITERIA given in I.S. Codes, C.P.W.D. specifications and special conditions, the acceptance CRITERIA shall be in the following order of precedence :

1. Special conditions
2. C.P.W.D. Specifications
3. I.S. Codes

2.0 EMBEDDING OF PIPES, CONDUITS ETC.

2.1 The brick work for the portions of external wall of W.C. through which pipes are taken, will be done after the pipes are fixed as far as practicable.

2.2 All crossings, embedment etc. in walls and floors for water supply, drainage and sanitary pipes, fittings etc. shall be provided as per previously prepared detailed drawings for individual walls and floors so as to avoid cuttings of brick work and floors. All such areas shall be made good during finishing and nothing extra shall be paid for this.

3.0 RCC WORK

4.1 The steel bars shall be stored about 30 to 45 cm above ground. A uniform coat of cement wash shall be given to steel reinforcement bars. In places where rainfall is heavy, steel bars shall be stored in protective environment to mitigate deterioration due to corrosion.

The cement for application of slurry on steel bars will be duly issued. However, no extra payment shall be payable for the application of slurry coating on steel bars.

4.0 WOOD WORK

4.1 Factory made shutter, as specified shall be obtained from factories to be approved by the Engineer-in-charge & shall conform to IS 2202 (part-I) 1977. The contractor shall inform well in advance to the Engineer-in-charge, the names and address of the factory where from the contractor intends to get the shutters manufactured. The contractor will place order for manufacture of shutters only after written approval of the Engineer-in-charge in this regard is given. The contractor is bound to abide by the decision of the Engineer-in-charge & recommend a name of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutters will, however, be accepted only if this meet the specified tests. The contractor will also arrange stage wise inspection of the shutters at factory to the Engineer-in-charge or is authorised representative. Contractor will have no claim if the shutters brought at site are rejected by Engineer-in-charge in part or in full lot due to bad workmanship and quality. Such shutters will not be measured & paid and the contractor shall remove the same from the site of work within **7 days** after the written instruction in this regard are issued by Engineer-in-charge or his authorised representative.

5.0 FLOORING, SKIRTING, VENEERING, DADO, RISERS & STEPS, JAMBS, SILLS & SOFFITS

- 5.1 Nothing extra shall be payable for using combination of marble, granite, kota, sand stone slabs & ceramic tiles etc. in the required pattern at various locations.
- 5.2 Nothing extra will be paid for the additional thickness of bed mortar that will be required to achieve uniform finished surfaces on account of difference in specified thickness of marble, granite, kota stone, sand stone & ceramic tiles etc.
- 5.3 Flooring in toilets, verandah, kitchen, courtyard etc. shall be laid to the required slope/gradient as per the directions of the Engineer-in-Charge.
- 5.4 The pattern, spacing and locations of joints shall be as per drawings and direction of the Engineer-in-Charge.

6.0 **STEEL WORK**

- 6.1 The rate of T/L iron frame shall include the cost of materials & labour of the following.
 - (a) M.S. tie of 10 mm dia. bar shall be welded to M.S. frames at the bottom to keep the frames in correct position. The tie shall be embedded in floor concrete. No tie shall be necessary for window frames.
 - (b) M.S. frame for doors shall have 4 Nos. M.S. lugs 15 x 3 mm., 10 cm long, welded to each vertical member of the frame.
 - (c) The M.S. plate cramps 15 x 6 mm thick for holding arrangements shall be provided and welded as per site conditions.
- 6.2 Steel windows/ventilators to be provided in the work shall be from ISI approved manufacturers or from the firms approved by the Chief Engineer, CDO, CPWD. An illustrative list of such approved manufacturers is given as under:-
 - 1) M/s Steelco Ratu Road, Ranchi (Behar) 834001
 - 2) M/s Metal Windows Corporation, 29/1, New Rohtak Road, Anand Prabhat Industrial area, Gali No. 6, New Delhi – 110005.
 - 3) M/s A.R. Industries, 109, Navyug Market, Ghaziabad – 201001.
 - 4) M/s AVA Steel Industries, Sukanta Nagar (Near Janakalyan Ashram), Post Ravindra Sarani, Siliguri, West Bengal, Pin 734406
 - 5) M/s B.A. Enterprises, South Station Road, Agarpara, (Solpatabagan), 24, Parganas (WB).
 - 6) M/s Modern Fabricators, 23J, Radha Madhav Garden Lane, Calcutta – 700010.
 - 7) M/s Madhu Industries, L- 59, Malvalli Tank Bund Road, Bangalore 560010.
 - 8) M/s Steel Engineers, 203, Kabiguru Ravindra Path Kacharapara, 24 – Parganas (WB) – 743145.
 - 9) M/s Steelex Industrial Corporation, 154, Lenin Sarani, Calcutta- 700013.
 - 10) M/s Supreme Steel C- 13, MIDC, Industrial Area, Nagpur – 440028.
 - 11) M/s Gole & Company, E- 28/1, MIDC Area, Hingna Road, Nagpur 440028.

7.1 **INTEGRAL CEMENT BASED WATER PROOFING TREATMENT**

- 7.1.1 The proprietary waterproofing compound shall preferably bear ISI mark or shall conform to I.S. 2645-1975. Water proofing compound shall be brought to site prior to commencement of work, from which random sample would be got tested to ascertain its conformity to the relevant I.S. code. The proprietary waterproofing compound shall be added at the rate recommended by the manufacturing firm, but not exceeding 3 percent by weight of cement. Water proofing compound shall be kept under double lock & key & record of its issue shall be kept in the same manner as for issue of cement.
- 7.1.2. While doing treatment of roof surface, it shall be ensured that the outlet drain pipes have been fixed and mouths at the entrance have been eased and rounded off properly for easy flow of water.

7.1.3 The surface where the waterproofing is to be done, shall be thoroughly cleaned with wire brushes. All loose scales shall be removed and dusted off. The surface shall be treated with neat cement slurry admixed with proprietary water proofing compound, to penetrate into crevices and fill up all the pores in the surface. This cement slurry shall also be applied at the junction of parapet and terrace slab including the vertical face of the parapet.

7.1.4 After the slurry coat is laid, layer of well burnt brick bats shall be laid to required gradient and joints filled to half the depth, in cement mortar of mix as specified by the manufacturing firm, but not leaner than 1:5 (1 cement : 5 coarse sand) duly admixed with proprietary waterproofing compound. The brickbat layer shall be rounded at the junction with parapet and merged with the treatment to be provided on the parapet up to 300mm. height. Curing of this layer shall be done for 3 days.

7.1.5 After curing, the surfaces shall be applied with a coat of cement slurry admixed with proprietary water proofing compound.

7.1.6 Joints of brick bats layer shall be filled fully with cement mortar of mix as specified by the specialist firm but not leaner than 1:4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound and finally top finished with average 20 mm thick layer of same mortar and finished smooth with cement slurry admixed with proprietary water proofing compound. The finished surface shall have marking of 300 x 300 mm false squares

7.1.7 Curing of water proofing treatment, thus completed, shall be done for a minimum period of ten days.

7.1.8 The finished surface, after water proofing treatment, shall have minimum slope of 1 in 80. At no point, shall the thickness of water proofing treatment, be less than 65 mm.

7.1.9 The measurements shall be taken along the finished surface of treatment including the rounded and tapered portion at junction of parapet wall. Length and breadth shall be measured correct to one centimeter and area shall be worked out to nearest 0.01 sqm. No deduction in measurements shall be made for either openings or recesses for chimneys, stacks, roof lights and the like for areas up to 0.40 sqm. Nothing extra shall be paid, for forming such openings. For similar areas exceeding 0.40 sqm. deductions shall be made in measurements for full openings and nothing extra shall be paid for making such openings.

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

7.1.11 GUARANTEE FOR WATER PROOFING TREATMENT

The contractor shall give Ten years performance guarantee in the prescribed proforma (specimen appended) for the water proofing treatment. In addition 10% (Ten percent) of the cost of these items shall be retained as security, to watch the performance of the work executed. However, half of this amount (withheld) shall be released after five years, after the completion of the work, if no defect come to the notice. If any defect is noticed during the guarantee period, it shall be rectified by the contractor within Seven days and, if not attended to, the same shall be got done by other agency at the risk and cost of contractor. In any case the guaranteeing firms during the guarantee period shall inspect and examine the treatment once every year and make good any defect observed. However, the 10% security deposit referred above can be replaced with bank guarantee of equivalent amount for relevant period.

8.0 CUT BRICK (MARUKONA)

Wherever cut brick (Marukona), as required under para 6.2.4.7 of C.P.W.D. Specifications 2019 Vol.-I, is not feasible, on account of available quality of bricks, the same shall be replaced by

cement concrete 1:2:4 and no extra payment for the provisions of C.C. 1:2:4 shall be made nor would the quantity of C.C. 1:2:4 thus provided be deducted from measurements of brick work.

9.0 ALUMINIUM WORK

9.1 GENERAL

The following are applicable particularly to Aluminium Works as contained in this tender documents:-

9.2. MANUFACTURER'S TEST CERTIFICATE

The contractor, if required by the Engineer-in-Charge, shall produce manufacturer's test certificates for any material or particular batch of materials supplied by him. The test carried out shall be as per relevant specifications / Indian standard codes.

9.3 APPROVAL OF SAMPLES

The contractor shall submit to the Engineer-in-charge, samples of all materials for approval and no work shall commence before such samples are approved. **Samples of unanodised as well as anodised and electro-coloured aluminium sections, neoprene gaskets, thermal barrier sections, glass, screws, hardware and any other material components requiring approval of samples, in opinion of Engineer-in-charge shall be submitted for approval. The above samples will be retained as standards of materials and workmanship.**

9.4 ALUMINIUM SECTIONS.

Aluminium sections to be used for doors, windows, ventilators and fixed glazing etc. shall be manufactured by reputed companies & shall be appropriate to meet architectural designs of relevant components.

9.4.2. The aluminium extruded sections shall conform to I.S., Designations EIWP/HVIWP alloy, with chemical composition and technical properties as per I.S. 733 and I.S. 1285, respectively.

9.4.3. For sectional weight, tolerance limits shall be (-) 0.5%

9.5. FABRICATION

9.5.1 All joints shall be accurately fabricated and be hairline in appearance.

9.5.2 Taking into consideration varying profiles of aluminium sections being extruded by approved manufacturers, the contractor shall prepare detailed shop drawings of his proposal using suitable sections based on architectural design/drawings, adequate to meet the requirement/specifications laid down in this tender documents and as proposed by the manufacturer and these detailed show drawings shall be subject to approval of the Engineer-in-Charge.

9.5.3 All doors, windows, ventilators and glazing etc. shall be completely leak proof against water and air with neoprene gaskets and silicon sealants to the best satisfaction of the Engineer-in-charge, for which no extra payment shall be made.

9.5.4 The frames shall be strictly as per Architectural drawings, the corners of the frame being fabricated to the true right angles. Both the fixed frames and openable shutter frames shall be fabricated out of sections, which have been cut to length, mitred and mechanically joined for satisfactory performance. All members shall be accurately machine milled and fitted to form hairline joints. The jointing accessories such as cleats, brackets, screws etc. shall be of such materials as not to cause any bimetallic action. Nothing extra shall be paid for jointing accessories.

9.5.5 Mitred joints of the doors, windows, ventilators shutters and frames shall be either corner crimped or fixed with self tapping stainless steel screws of approved make and quality with heavy duty extruded aluminium cleats and sealed with silicon sealant, for which nothing extra shall be paid.

- 9.5.6** Verticals of the frame shall be embedded in the floors, wherever required, upto 50 mm, by cutting and making good of the floor. Nothing extra shall be paid for the same.

9.6 FIXING

- 9.6.1** (a) The screws used for fixing aluminium frames to masonry walls/RCC members and aluminium members to another aluminium members shall be **Cadmium plated & of aluminium alloy or stainless steel** of approved make and quality. Threads of machine screws used shall conform to requirement of I.S. 4218.

- (b) The gap between frames and supports and any gap in the various sections shall be filled with approved silicon sealant to ensure complete water tightness. The sealant shall be such approved colour and composition that it would not stain the masonry/RCC work. It should not sag or flow and shall not set hard or dry out under any conditions of weather. The SILICON sealant shall be used as required and shall match the colour of the aluminium sections. Any excess sealant shall be removed/cleared. Nothing extra shall be paid for the above.

9.7 ANODISING / ELECTRO COLOURING

- 9.7.1** Aluminium section shall be anodized as per IS 7088 – 1973, Anodising to be as per grade AC- 15 and not less than 15 microns thick, when measured as per I.S. 6012, in matt Champagne electro colour with colour fastness rating No. 8 of IS 1868 – 1982. Colour anodizing would be done only by electro-colour process. No visual variation in colour shall be permitted.
- 9.7.2** The anodic coating shall be properly sealed by steam or by boiling in deionized water as per I.S. 1868 and / or I.S. 6057. Sealing quality shall be tested in accordance with the relevant standards. Nothing extra shall be paid for above.
- 9.7.3** The contractor should satisfy himself by 100% checking in the factory that the thickness of the anodic coating is found to be minimum 15 microns and sealing quality appropriate everywhere. The testing shall be done by **EDDY CURRENT METHOD** as per I.S. 6012 for thickness. If any material is found substandard, the same shall be totally rejected. Requisite tests shall also be required to be carried out at site as instructed by the Engineer-in-charge and the contractor shall arrange all the equipments required for these tests at site. Nothing extra shall be paid for above.
- 9.7.4** All anodised aluminium works shall conform to relevant I.S. standards relating to materials, workmanship & fabrications respectively. Codes including I.S. 1868-1982, I.S. 733-1983 I.S. 1948-1961, I.S. 7088-1973, I.S.. 6012-1970, I.S. 1285-1975, I.S. 740- 1975 respectively are considered relevant and applicable.
- 9.7.5** A thick layer of clear transparent lacquer based on methacrylates or cellulose styrate shall be applied on the anodised sections, before they are brought at site. This lacquer shall be removed after installations are complete or as an alternative, the exposed surface of the aluminium sections shall be provided with gummed paper tape protection. After fixing and assuring of proper functioning of doors, windows etc, such protective layer shall be cleaned out/removed. Nothing extra shall be paid for above to the Contractor.

9.8 GLAZING

- 9.8.1** All glass panes shall be retained within aluminium framing by use of exterior grade neoprene gaskets. No water leakage should occur on the interior even if water penetrates exterior neoprene gaskets. Use of glazing or caulking compounds around the perimeter of glass will not be permitted. All fixed glass panes shall be supported by setting blocks. There should be no whistling or rattling. Before installation of glass, contractors shall ensure the following:
- a) All glazing rebates shall be square, to plumb, true to plane, dry and free from dust.

b) Glass edge shall be clean and cut to exact size.

c) Glazing shall provide such thermal expansion and contraction of components, as will be caused by temperature variations inside and outside without causing buckling stress on glass or detrimental effect on structural elements and components.

9.8.2 Samples of typical glazing shall be made and got approved by the Engineer-in-charge before mass installation is taken in hand.

9.9 PROTECTION AND CLEANING

9.9.1 After erection and removal of protective layer, all aluminium works including glass panes shall be washed with a suitable thinner and water to give a uniform clear appearance free from all marks and blemishes.

9.10 MEASUREMENT AND RATES

9.10.1 For Aluminium frame work, the payment shall be made as per actual weight in accordance with the procedure prescribed by Engineer-in-charge.

9.10.2 For fixed glazing and fixed laminated inserts, length and breadth of the area where glass panes etc. are to be seated, shall be measured correct to half a centimeter and area to be calculated in square meters correct to two places of decimal.

9.10.3 For openable shutters portion for all types payable on the area basis, clear openings of shutter shall be measured at its closed position correct to half centimeter and area shall be calculated in square meter correct to two places of decimal.

9.10.4 Prefabricated anodised aluminium decorative protective grill (including frame work) shall be measured correct to half a centimeter in both the directions and area worked out correct to two places of decimal.

9.10.5 It is made clear that items such as cleats/angles, other fixtures, nuts, bolts, screws etc., which shall be required for fabrication and erection of aluminium work as per this tender documents, shall not be considered for the purpose of measurements and payment of various items. The rate of various items as per schedule of quantities is however inclusive of above elements and nothing extra shall be paid for the same.

10.0 VARIATION IN CONSUMPTION OF PIG LEAD

The pig lead for caulking of joints of SCI/CI pipes shall be issued as per theoretical consumption for SCI/CI pipes of size 100 mm, 75 mm & 50 mm, @ 0.98 kg., 0.88 kg. and 0.77 kg. per joint respectively. Over and above the theoretical quantities of lead as worked out, a variation of 5% shall be allowed for wastage etc. Any difference between the actual consumption of pig lead and theoretical consumption worked out on the above basis, including the authorised variation shall be recovered at the rate mentioned under schedule "F". Where the pig lead is arranged by the contractor, variation of 5% will be allowed. In case variation is on lesser side, the quantity of less pig lead used shall be recovered from the contractor at market rate to be determined by the Engineer-in-charge, whose decision in the matter shall be final & binding.

11.0 PAINT BROUGHT BY THE CONTRACTOR

11.1 The contractors shall bring sufficient quantity of paint of brand & shade approved by Engineer-in-charge prior to the commencement of work & keep it in his stores at site of work under double lock & key

11.2 The paint shall be issued to the contractor from time to time according to requirements for the work in the same manner as followed for issue of cement

11.3 Empty containers shall not be removed without the written permission of the Engineer-in-charge.

12.0 FIXING OF SCI/CI PIPE

The SCI/CI pipes and G.I. pipes, wherever necessary, shall be fixed to RCC columns, beams etc. with rawl plugs, or appropriate fasteners as approved by Engineer-in-Charge, and nothing shall be payable on this account.

13.0 FINISHING WORK

1. All doors, windows, floors, furniture, electric & fittings and other article shall be protect from dust, splashes and damages, sufficient covering for the days work shall be shown to the representative of the Engineer-in-charge before the contractor will be allowed to proceed with work, splashes and dropping from white washing. Colour washing, distempering, painting etc. on walls, floors, doors and windows, down take pipes furniture shall be removed by the contractor at his own cost and the surface cleaned simultaneity after the completion of the days work in individual room/quarter or premises where the work is done, without waiting for the actual completion of all the other items of contract. In case the contractor fails to comply with this requirement the Engineer-in-charge or his authorised representative shall have the right to get this work done at the risk and cost of the contractor either departmentally or through another agency without issue of any notice to the contractor, on this account. The representative of the Engineer-in-charge will however, mention about it in the site order book before employing the labour on the job at the contractor cost.
2. The work is required in piece meal manner and be started at very short notice and be completed as per programme decided as per the convenience of occupants.
3. Before starting the work a sample of required shade for paints/distemper will have to be prepared as per direction of Engineer-in-charge and got approved.
4. The contractor shall see the site conditions of existing splashes/paint marks etc. and quote rates accordingly.
5. The cleaning operation should be done within 24 hrs. of completion of job otherwise a recovery @ Rs. 5000/- per flat shall be made.
6. Full quantity of materials to be used in work shall be deposited in sealed containers in advance by the contractor before start of the work .
7. It will be the responsibility of the contractor to take direction on time from the Engineer-in-charge in advance so that the progress of the work is not affected.
8. The following theoretical coefficient shall be considered for working theoretical quantities.
 - A) Synthetic enamel paint :-
 - (i) Two or more coats on new work – 1.16 litre per 10 sqm.
 - (ii) One or more coats on old work – 0.70 litre per 10 sqm.
 - B) Pink or grey primer – 0.75 litre per 10 sqm.
 - C) Repainting of C.I. Cistern with synthetic enamel paint 0.20 litre each.
 - D) Anticorrosive bitumastic paint one or more coats on rain water pipe.
 - a) 50 mm diameter pipe – 1 litre per 100 metre.
 - b) 75 mm diameter pipe – 1.46 litre per 100 metre.
 - c) 100 mm diameter pipe – 1.91 litre per 100 metre.
 - E) Plastic emulsion paint.
 - a) Two or more coats on prepared surface – 1.21 litre per 10 sqm.
 - b) One or more coats on old work – 0.73 litre per 10 sqm.

- F) Repainting of G.I. pipe one or more coats on old work with synthetic enamel paint.
- 15 mm diameter pipe – 0.3297 litre per 100 metre.
 - 20 mm diameter pipe – 0.4396 litre per 100 metre.
 - 25 mm diameter pipe - 0.5495 litre per 100 metre.
 - 32 mm diameter pipe – 0.7035 litre per 100 metre.
- G) Wood preservative oil type one or more coats – 0.81 litre per 10 sqm.
- H) Oil bound washable distemper.
- One or more coats on old work 1.00 kg per 10 sqm.
 - Two or more coats on prepared surface – 1.50 kg per 10 sqm.
- I) Cement primer – 0.70 litre per 10 sqm.
9. The brand and manufacture of materials to be used shall be as follows:-
- Oil bound/ Acrylic washable distemper in 20 kg. pack:-
 - Bison acrylic washable oil bound distemper of Berger make . or
 - Nerolac, washable oil bound distemper of Goodlass Nerolac make. or
 - Acrylic washable distemper Tractor brand of Asian Paints make. or
 - Maxilite brand of ICI paints make. or
 - Synthetic enamel paint in 4 litre pack :-
 - Luxol Hi-gloss synthetic enamel snowwhite of Berger make. or
 - Nerolac full gloss hard drying synthetic enamel ultra white of Goodlass Nerolac make. or
 - Apcolite histure finish white synthetic enamel paint of Asian Paints make. or
 - Dulux gloss synthetic enamel paint of ICI make. or
 - Cement primer water base in 20 litre pack:-
 - B.P. cement primer (alkali resistant) water thinable of Beger paint make. or
 - Primolite water thinable cement primer of Goodlass Nerolac Paint make. or
 - Cement primer of Asian paints make.
 - Water bourn cement primer of ICI make. or
 - Plastic emulsion paint of Beger or ICI or Goodlass Nerolac or Asian Paints make in 20 litre pack.
10. Contractor shall be required to make arrangement for plastic cotton sheets for use at work place during execution of work to protect floors, furniture shelves etc. from splashes, dust, dirt mortars droppings etc. for which no extra payment shall be made.
11. Any failure to fulfill the above cited conditions shall amount to debar the contractor to quote for the same kind to tender in future.

14.0 MULTICOAT-SYNTHETIC PLASTER :-

This shall consist of two parts – (1) SCRATCH – PLASTER & (2) TERRACOAT respectively.

Whose composition shall be as under:-

- SCRATCH –PLASTER :- It shall have two component which comes in liquid & powder from. These shall be mixed at site before application in the ratio 25 kg. powder in 1.0 litre of liquid. Powder shall be made up of Acrylic powder polymer, inert filler material in

powder, form, finally graded silica (450 micron to 1.00 mm graded) particles, Anti-fungal agents, Emulsifying agent, Emulsifying agent (Extender) to prevent lumping of powder during mixing, Titanium di-oxide pigments for making it water proof from exterior while allowing trapped water vapour breathability & Thixotropic agent for maintaining consistency of mix. & to prevent flowing of mix during application (EUROFIN or equivalent) The surface to be covered shall be procured & shall be applied with surface stabilization primer before application of Scratch- plaster.

- ii) TERRACOAT:- It shall be made – up of Acrylic Co-polymer emulsion, crushed & precisely graded silica particles (500 micron & down size), high quality rutile (Purest form) grade Titanium di-oxide, fungicide, plasticizers & anti-corrosive agent (EUROFIN or equivalent). This shall be applied over scratch – plaster in two or more coats to get approved shade & pattern.

14.1 Measurement :- Area of surface covered shall be measured to be nearest Sq.cms.

14.2 Rate:- Rate shall be inclusive of all materials & labour involved in its application & appurtenant operations involved therein.

15.0 The order of preference in case of any discrepancy as indicated in condition No. 8.1 under “ Conditions of contract’ given in General Conditions of contract for Central PWD works 2008 form may be read as the following.

15.1 Description of item :- Nomenclature in the schedule of quantities.

15.2 Particular specifications for Repair and Rehabilitation works (if applicable)

15.3 Particular specifications.

15.4 Additional and Special conditions.

15.5 Contract Clauses of General conditions of contract for Central PWD works

15.6 CPWD specification as mentioned in Schedule ‘F’

15.7 Architectural Drawings, if any.

15.8 Indian standard specification.

15.9 Sound Engineering Practice.

16.0 The works “ Equivalent’, Approval and authorized in these specification shall imply and required written approval of the Engineer-in-charge.

17.0 The rates shall include the following:-

17.1 All necessary materials, bolts, nuts, fasteners, nails, screws, rawl plugs, etc. as may be necessary to complete the work detailed in the specifications, whether or not specifically mentioned. The tenderer should ensure that he has studied the drawings carefully and should seek any clarifications he may have from the Executive Engineer in charge of the work. No extra claims will be entertained later on.

17.2 Cutting making and repairing of any holes/ opening junction box for electrical purpose etc. required for any light fittings, loudspeakers, air-conditioning grills etc.

18.0 Contractor shall submit his authorized representative’s email ID for better communication & prompt follow up of instruction given to him.

ADDITIONAL CONDITIONS FOR CEMENT & STEEL

1.0 CONDITIONS FOR CEMENT

1.1 The contractor shall procure 43 grade {conforming to IS : 1489(Part-I)} Portland Pozzolana Cement (PPC), as required in the work, from reputed manufacturers of cement having a production capacity not less than one million tonnes or more per annum, such as ACC, Ultra Tech,

J.P. Rewa, Vikram, Shri Cement, Birla Jute, JK Cement and Cement Corporation of India etc., as approved by the Ministry of Industry, Govt. of India, and holding license to use ISI certification mark for their product. Portland puzzolana cement (fly ash based) conforming to IS:1489 part I of equivalent grade shall also be allowed in non structural works. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The Supply of cement shall be taken 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 relevant BIS Codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected, and it 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.

- 1.2 The cement shall be brought at site in bulk supply of approximately 5 tonnes or as decided by the Engineer-in-Charge.
The cement godown of the capacity to store a minimum of 100 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
- 1.3 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorised representative and the keys 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.
- 1.4 The cement shall be got tested by 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 testing laboratories. The cost of test shall be borne by the contractor.
- 1.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 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 so prescribed shall be made. In case of excess consumption no adjustment needs to be made.
- 1.6 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-Charge.
- 1.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-Charge. If he does not do so within three days of receipt of such notice, the Engineer-in-Charge shall get it removed at the cost of the contractor.

2.0 CONDITIONS FOR STEEL

1. The contractor shall procure TMT bars of Fe415/Fe415D/Fe500/FE500D /Fe550/Fe550D grade (the grade to be procured is to be specified) from primary producers (Bar-I) as per make list who are using iron ore as the basic raw material/input and having crude steel capacity of two millions tone per annum or more.
In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from steel producers having integrated steel plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in house having crude steel capacity of 0.5 million tonne per annum or more. A separate list for producer for this category shall be approved by the ADG concerned for their sub-region under intimation to the Directorate, CPWD/CE, CSQ.

In case of non-availability of steel from primary producers as well ISPs then the NIT approving authority may also permit on written request, use of TMT reinforcement bars procured from secondary producers. In such cases, following condition are to be stipulated in the NIT by NIT approving authority.

- (a) The grade of steel such as Fe415/Fe415D/Fe500/FE500D/Fe550/Fe550D grade or other grade to be procured is to be specified as per BIS 1786-2008.
- (b) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786: 2008. In addition to BIS license, the secondary producer must have valid licence from either of the firms Tempcore, Thermex Evcon Turbo & Turbo Quench to produce TMT bars.
- (c) The TMT bars procured from primary producers and ISPs shall conform to manufacturer's specifications.
- (d) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tepcore, Thermix, Evcon Turbo and Turbo Quench as the case may be.
- (e) TMT bars procured either from primary producers or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining Fe415/Fe415D/Fe500/FE500D/Fe550/Fe550D grade of steel as specified in the tender of steel as specified in the tender (while preparing NIT the grade of the steel to be specified).
2. The contractors shall have to obtain and furnish test certificates to the Engineer in Charge in respect of all supplies of steel brought by him to the site of work.
3. Sample shall also be taken and got tested by the Engineer in Charge as per the provisions in the regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under Para (1), (d) & (1) (e) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer in Charge to do so.
4. The steel reinforcement bars shall be brought to the site in bulk supply of 10 tones or more, or as decided by the Engineer in Charge.
5. The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
6. For checking nominal mass tensile strength bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below.

Size of bar	For consignment below 100 tones	For consignment over 100 tones
Under 10mm dia	One sample for each 25 tones or part thereof.	One sample for each 40 tones or part thereof.
10 to 16mm dia	One sample for each 35 tones or part thereof.	One sample for each 45 tones or part thereof.
Over 16mm dia	One sample for each 45 tones or part thereof.	One sample for each 50 tones or part thereof.

7. The contractor shall supply free of charge the steel required for testing including its transportation of testing laboratories. The cost of test shall be borne by the contractor.
8. The actual issued and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

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

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

The Agreement made this _____ day of _____ Two Thousand
and _____ between _____ son of _____
of _____ (hereinafter called the Guarantor of the one part) and the PRESIDENT OF
INDIA (hereinafter called 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 and leak-proof for **TEN YEARS** from the date of giving of water proofing treatment.

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

Providing that the Guarantor will not be responsible for leakage caused by earthquake or structural defects or misuse of roof or alteration and for such purpose.

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

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

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

IN WITNESS WHEREOF these presents have been executed by the Obligor _____ and by _____ and for and on behalf of the PRESIDENT OF INDIA on the _____ day, month and year first above written.

Signed, sealed and delivered by Obligor in the presence of -

1. _____
2. _____

Signed for and on behalf of the President of India by _____

In the presence of -

1. _____
2. _____

On non-judicial stamp paper of minimum Rs. 100
**(Guarantee offered by Bank to CPWD in connection with the execution of contract)
 FORM OF BANK GUARANTEE FOR Earnest Money Deposit / 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) datedfor (name of work) The Government has further 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 obligation on accordance with the terms and condition 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(name and address of contractor)..... (hereinafter called " the contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank irrevocable Bank Guarantee for Rs.(Rupees Only) valid upto(date)" as Performance Guarantee and Additional Performance Guarantee/ Security Deposit / Mobilization Advance from the said contractor for compliance of his obligations on accordance with the terms and condition of the agreement.

- 2) We, (indicate the name of the work) (herein after referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.
- 3) We, (indicate the name of the Bank), do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.(Rupees.....only).
- 4) We,..... (indicate the name of the Bank), further undertake to pay to 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 present 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 obligations 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 guarantee shall be valid upto unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupeesonly) and unless a claim in writing is lodged with us within the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Date

Witnesses:

- | | |
|--------------------|----------------------|
| 1. Signature | Authorized Signatory |
| Name and address | Name |
| | Designation |
| | Staff Code No. |
| | Bank Seal |
| | |
| 2. Signature | |
| 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 and Additional performance guarantee / security deposit / mobilization advance, as the case may be.

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

Sl. No.	Item /Material	Manufacturer and Trade Names
GLAZED AND CERAMIC MATERIALS		
1.	Ceramic tiles and Glazed tiles (all sizes)	AGL tiles , Johnson, Kajaria, Somany & RAK
2.	Chequered CC tiles	Nitco, K.K Manhole & Grating Co Pvt. Ltd, Ultra & Unistone
3.	Kitchen Sink (Fire Clay)	Parsuram, Sanfire & Hindustan
4.	Vitreous china (WC and wash basin)	Cera, Hindware, Parryware & NYCER
5.	PVC/Vitreous Cistern, European WC with seat cover	Cera, Hindware & Parryware
6.	Vitrified/GVT tiles	
a)	600x600 mm	Varmora, Restile, Kajaria, Somany & AGL tiles.
b)	800x800, 800x1200 mm	Varmora ,RAK, Kajaria, , AGL tiles & Somany.
7.	Porcelien Tiles	RAK, Kajaria or equivalent
8.	Fireclay Sinks & Drain Brand	Parry, Sanfair (Deluxe)
CONCRETE MATERIALS		
9.	Precast Cement Concrete Tiles	K.K Manhole & Grating Co Pvt. Ltd, NITCO, N.T.C. & Dalal Tile Industries, ABC.
10.	Chequered Tile	Nitco, Ultra, Unistone, Modern & Dalal Tile Industries.
11.	Interlocking Paver Block Precast CC Slab, Kerbstone	K.K. Manhole & Grating Co Pvt. Ltd., Unistone, Nitco & Dalal tiles Ind.
12.	RMC	ACC, Ahlcon and Grasim, Ultra Tech, V.K.RMC Pvt. Ltd., NDCON, Shri Ram Ready Mix Concrete Pvt. Ltd., M/s Anrittech Private Limited.
13.	C.I. Cover	RIF, HIND, BIS, BIC, NECO, SIF & Dalal tiles Ind.
14.	CC Paver blocks 60 mm to 100 mm	K.K. Manhole, Grating, Hindustan, Unistone, NITCO & Dalal tiles Ind., ABC
15.	CC Pavers	KK, Dalal Tiles Industries & ABC
16.	Grass Paver	Unistone, Ultra, Hindustan, K.K, KJS Concrete & Dalal Tiles Ind.
WOODEN AND WOOD BASED MATERIALS		

17.	Block Board & Ply Wood	Kitply, Green ply, Green panel, cooma, Century, Duro & Bhutan Tuff.
18 (a)	Laminated Wooden Flooring	Vista, Green panel, Virgin & Action Tesa
(b)	Lamination sheet	Greenlam, Marino, Action Tesa, Green panel & Bhutan Tuff.
19.	Door/Cupboard locks	Godrej, Dorset & Harrison
20.	Flush Door	Century Ply board, Duro, Alpro, Green panel, Greenply & Jain door, Bhutan Tuff.
BRASS FITTINGS		
21.	Ball valve/Gate Valve non return valve	Zoloto, IBP, ARCO, DEEPAK VALVES
C.P. FITTINGS		
22.	CP Bathroom Fittings	Jaquar, Marc & Kohler
S.S. FITTINGS		
23.	SS door/window/Cupboard fittings	Hettich, Godrej, Dorset & Harrison, Dorma
24.	Modular kitchen accessories	Stallion, Hettich, Kaff & Ozone, Hafele
M.S. STEEL MATERIALS		
25.	Kitchen Sink (Stainless Steel)	Neelkanth, Jayna & Nirali
26.	Structural M.S. Sections viz, I & Channels	Tisco, Jindal & SAIL
27.	Structural Extruded Sections viz. Tee Iron, Angle iron, Flats etc.	SAIL, Tisco, Rana & Capital with ISI mark
28.	Hot finished welded , seamless and ERW type tubes	TATA , Jindal (Hisar), Wellspun, TTT, Apollo
REINFORCEMENT		
29.	Steel Fibre Reinforced Concrete, Manhole covers with frame and grating	K.K. Manholes, Gratings, Nitco & Dalal Tiles Ind.
30.	Steel Reinforcement Bars	RINL, TISCO, SAIL & JINDAL
ALUMINIUM MATERIALS & FITTINGS		
31.	Aluminium Sections	Jindal, Hindalco, Indal & Mahavir
32.	Aluminium Door & Window Fittings	Classic, Vishkarma & Argent
UPVC WINDOWS		
33.	UPVC pipe	Kisan, Supreme, Prince, finolex & Prakasa
34.	UPVC window/doors	Fencsta, KAKA Industries Pvt. Ltd., Polywood, Duroplast.

PVC & UPVC PIPE FITTINGS		
35.	PVC Tank	Sintex, Polycon, Rotax, Fusion & Sheetal
36.	PVC doors	Jaindoors & Rajshri Plastiwood
37.	Kitchen loft tank	Sintex, Tirupati Structural limited, Planet Plasic
G.I. PIPES & FITTINGS		
38.	G.I. Sheet of all patterns	SAIL, Tata & Jindal (Hisar)
39.	G.I. Pipe	Jindal (Hisar), Tata, Prakash Surya.
40.	G.I. Fittings	UNIK, R Brand, KS Brand, Zoloto, R.R, S.S.S. & NMC
41.	Gun Metal Valve	Leader, Zoloto, Sant & Pidilite, Deepak Valves
42.	Centrifugally cast iron pipes & accessories/fittings	Neco, Hepco, BEC, RIF & SKF
43.	Stoneware pipes & gully traps	Perfect, Parry & Anand.
44.	PTMT fittings	Prayag, Polytuf, Cera & Parryware
45.	Hydraulic door closer tubular type aluminium die cast body	Hardwyn make (model classic queen),Johnson, Dorset
PAINTS, PUTTY, P.O.P. & POLISH MATERIALS		
46.	Oil bound washable distemper/ Acrylic distemper	Bison Acrylic distemper of Berger Nerolac premium washable of KNPL, Ranker Acrylic Washable Distemper, Acrylic washable Tractor brand of Asian paints make. Maxilite of ICI paints, Jenson & Nicholson (Jensolin Acrylic Distemper).
47.	Synthetic enamel paint	Luxol Hi-gloss of Berger , Apcolite lusture finish white of Asian Paints, Casio Synthetic Enamel of WOODCO Paints, Dulux gloss of ICI make, Jenson & Nicholson Brolac Hi-gloss Polyurethane Enamel.
48.	Cement Primer	B.P. (alkali resistant) water thinable of Berger paint make, Primolite water thinable Goodlass Nerolac paint make, Cemprover of Snowcem paint, Regular Int. Primer, Polo Water Thinable primer (Ext.& Int) of Apollo Paints.Cement primer of Asian paint make, Jenson & Nicholson Water Thinable Cement Primer (Ext & Int). Primox of J&K White cement.
49.	Water proofing cement paint	Durocem of Berger paints, Super snowcem decorative of snowcem India Ltd. Gattucem of Asian Paints, Jenson & Nicholson Robbiacem Super Cement Paint of Jenson & Nicholson,
50.	Plastic/Acrylic emulsion paint	Silk Luxury/Silk Glamour emulsion of Berger paint, Dulux Professional Solitaire of AKzonobel Emulsion of Kansai Nerolac paint,BRISTOL Luxury Interior Emulsion, Eco Jaxx / Aqua Satin Luxury Emulsion of Apollo Paints, Royale of Asian Paint, Jenson & Nicholson Special Effects Luxury Sheen Emulsion.
51.(a)	Acrylic exterior paint with silicone additives	Snowcryl XT/ Mximus of Snowcem paint, Wonderguard Luxury Exterior Emulsion of Apollo Paints, Wheathercoat Smooth/ Weathercoat All Guard of Berger paints, Dulux Professional Weather Shield of AKZONOBEL, Ultima of Asian paints

(b)	Acrylic exterior paint	Trump/ Alpura of Snowcem paint, CORNEDO Luxury Elastomeric Exterior Emulsion, Berger paints, Apex, Aropex Premium Plus of Apollo Paints, Asian paints, Weather Shield of MIS AKZONOBEL.
52.	POP	J.K. Laxmi, Sakarni, Sri Ram, Nirman & Aadhar Shree, SIKA
53.	Wall Putty	Birla Wall Care, WOODCO Premium Wall Putty, JK Wall Care, SIKA, WESTERN
54.	APP Water Proofing Treatment	Bitumat, Apex & STP Ltd., Torch tar membrane & Bitumen Product Pvt. Ltd., SIKA, MAKPHALT.
55.	Water proofing compound	CICO, Pidilite, Apollo Paints, Markchem Accoproof & Impermo, SIKA, MAKPHALT.
56.	Anti-corrosive epoxy coating	(NITAZINC PRIMER) of FOSROC, SIKA FRIAZINCR
57.	Acrylic Shelf	Admiral, Alpina, SIKA.
CEMENT, WHITE CEMENT & OTHERS MISC. ITEMS		
58.	Tile Adhesive	Somany, Latticrete, Pidilite, Ferous & Cico, SIKA, MAKPHALT.
59.	Cement	POZZOLANA PORTLAND CEMENT (PPC). confirming to IS : 1489 – ACC, Birla, Ambuja, Jaypee & J.K. Cement.
60.	Float Glass	Saint Gobin, Modi & ASHAI INDIA
61.	Beyeled Edge Mirror	Modi Guard & Atul
62.	White Cement	J.K. White, Birla White, Ambuja White, Sakarni.
63.	Reinforcement cleaning agents	(REEBAKLENS R.R.) of FOSROC or equivalent product of SIKA, Ferrouscrete.
64.	Non-re-emulsifying latex bonding	NITOBOND SBR (LATEX) of FOSROC or equivalent product of SIKA, Ferrouscrete.
65.	Monkey deterrent spikes	Make- parry moulding, Indolite Devices, Vision Engineering, Monkey king
66.	Frosted decorative sparkle film	LLUMAR, 3M or equivalent.
67.	Glazed GRC Tiles – 22-25 mm thick	Unistone, Nitco, NTC, Dalal.
68.	FRP doors	Jain door, Ashoo model Arts, Fibreways, Salectual Product Co.
69.	Silicon Sealant	Pidilite, Forsoc, Tuffseal, Choksey Chemical, SIKA
70.	Dash Fastner	Hilti, Fisher, Bosch, Canon
71.	Fibre Glass sheet	Simcry1, Simba, R.B. Electricals.
72.	GRG False Ceiling	Diamond international, Metacil of Mancot Industries, Vans Gypsum Pvt. Ltd., R K Ceilings, GYPTECH
73.	G.I.Metal False Ceiling	Armstrong, Libo, Sonex, R K Ceilings, GYPTECH, HI-STEEL.
74.	Calcium Silicate False Ceiling tiles	Aerolite, Deckelite, R K Ceilings, GYPTECH.

75.	Gypsum Plain Board	Saint Gobian, Gyproc, USG Boral, Gyplime Gypsum Board, GYPTECH, WESTERN, R K Ceilings,
76.	Low viscosity high Molecular weight thermosetting polymer	CBEX 100 of FOSROC, SIKA SBR LATX.
77.	Drapery Rods & Vertical Blinds	Mac, Vista & Levlor.
78.	WPC(Wood Polymer Composite) Shutter	Alstone WPC, Rajshri, KAKA (KAKA Industries Pvt.Ltd)
79.	Poly carbonate sheet	POLYGAL, GE(Lexan) & Tough Lite
80.	Concrete Admixture.	SIKA, FOSROC, BASF, MAKPHALT.
81.	Bitumen	IOCL, BPCL, HPCL, IBP, HINCOL,
82.	Bitumen VG – 30	IOCL, BPCL, HPCL
83.	Thermoplastic paints	J.K. Protech , Reliance industries, Keshav Industries & S.N. Industries, SUNRISE.
84.	Polymer Modified Bitumen	IOCL, BPCL, HPCL, Hindustan colas, Tiki Tar, AR Termosets, VCS Bitumax and Petrochemp, MAKPHALT.
85.	Polymer Modified Cationic Bitumen emulsion/West plastic modifier	Hindustan Colas, Tiki Tar, A.R. Thermosets, VCS Bitumax & Petrochem.
86.	polysulfide	Sika, Fosroc, Pidilite, Mapei, Choksey, Laticrete, Delta, SICO, MAKPHALT etc.
87.	Road marking paint	Bright, Amulite, Asian, Maruti Group, Surya, Shalimar paints.
88.	Primer for polysulfide	Sika, Fosroc, Pidilite, Mapei, Choksey, Laticrete, Delta, SICO, etc.
89.	Acrylic kerb stone/ road paint/Synthetic enamel paint	Berger guideline-RM, Asian Apcotrak, AKZONOBLE, Shalimar.
90.	Anti carbonation paint (water based)	Berger Paints, Asian Paints, Nerolac Paints, Sunanda Paints, Carbo Flex Paints, ICI Ltd, FOSROC, CHOWGULE, BASF, CICO.
91.	Instantaneous bitumen concrete	As per Approved by Engineer-in-Charge.
92.	Acoustic wall paneling	GYPTECH, Arm strong, Hunter Doglers, Dexune, Earcons Acoustic, Himalyan Acoustic
93.	Miniral Fibre Tile Ceiling	GYPTECH, Arm strong, Sant Gobain, Boral. VSG KNAUF, Earcons Acoustic, Himalyan Acoustic.
94.	Acoustic False Ceiling	GYPTECH, Arm strong, Himalyan Acoustic, Dexune, Earcons Acoustic, R K Ceilings.
95.	Bafil Ceiling	GYPTECH, Hunter Doglers, Arm strong, Dexune, Earcons Acoustic, Himalyan Acoustic.
96.	Designer's wall paneling with 16 mm HDMR/HPL Board	GYPTECH, Arm strong, Anutone, Earcons Acoustic, Himalyan Acoustic.
97.	Acoustic Door	GYPTECH, Earcons Acoustic, Himalyan Acoustic.
98.	C.I. Valves, Buterfly valves, NRV, Sluice valve, C I	Zolotom Lartar Valves, Deepak Valves.

	Flanged foot valve, 'Y' type strainer.	
99	Stainless Steel Railing	Connect Arch Pvt. Ltd., Jindal S.S. Ltd., Geze, ICICH Inds, ESSAL, Dorma, D Line, Kitch.
100	Stainless Steel Sections	Jindal, Tata Steel, SAIL, JSW
101	Aluminium Composite Panels / Honeycomb Composite Panels / Aluminium-Hpl Panels	ALLUCOBOND, ALSTONE, ALUDECOR, KALCO, REYNOARCH, ALUTECH, VIRGO
102	CPVC Pipes & fittings	ASHIRWAD, FINOLEX, SUPREME, ASTRAL
103	Any other items(not listed above)	All items shall be as per relevalent IS Code / CPWD Specifiation and prior approved from Engineer-in-charge.

Note:- Contractor has to bring samples as per above preferred brands only and Engineer in Charge shall approve one sample out of the samples brought by the contractor. The contractor has to use material of that approved sample only. No claim in this regard shall be entertained.

General Conditions of Contract Circular .

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/SOP- 2022/19

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 10.11.2023

Sub: Modifications in SOP No. 4/1, 5/1, 5/2, Annexure-21, Annexure-22 and Annexure-23 of SOP for CPWD Works Manual-2022 – Receipt and refund of EMDs online through e-gateway of SBI for e-tendering as pilot cases - regarding.

Following modifications in SOP no. 4/1, 5/1, 5/2, Annexure-21, Annexure-22 and Annexure-23 of SOP for CPWD Works Manual-2022 regarding earnest money deposit (EMD) through e-tendering are made as under and shall only be applicable for CPWD divisions C, E, I, N and Central Secretariat under ADG (Delhi) as pilot cases with immediate effect:-

Existing Provisions	Modified Provisions
SOP No. 4/1: E-Tendering (Refer Para 4.4 (3))	SOP No. 4/1: E-Tendering (Refer Para 4.4 (3))
14. Information and instructions for tender inviting authority for e-tendering	14. Information and instructions for tender inviting authority for e-tendering
(ii) The NIT approving authority/ Tender inviting authority at the time of issue of NIT also fills and upload the following prescribed format of receipt of deposition of original EMD along with NIT:-	No change
Receipt of deposition of original EMD	Reference of deposition of online payment / and Bank Guarantee including e-Bank Guarantee as EMD
(Receipt No. / date)	(Receipt No. / date)
1. Name of work *	No change
2. NIT No. *	No change
3. Estimated cost *	No change
4. Amount of Earnest Money Deposit ... *	No change
5. Last date of submission of bid *	No change
(*To be filled by Tender inviting authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)	(*To be filled by Tender inviting authority/ NIT approving authority at the time of issue of NIT and uploaded along with NIT).

R K SINGH
10.11.2023
EE(Manual)

1
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1. Name of Contractor# 2. Form of EMD# 3. Amount of Earnest Money Deposit# 4. Date of submission of EMD# Signature, Name and Designation of EMD receiving officer along with Office stamp (# To be filled by EMD receiving EE/DDH)	No change No change No change No change No change
SOP No 5/1: Mode of Deposit Earnest Money (Refer Para 5.1.3 (1)) 1. The Earnest Money is accepted only in the following forms: (i) <i>Banker's Cheque of a Commercial Bank</i> (ii) <i>Account Payee Demand Draft of a Commercial Bank</i> (iii) <i>Fixed Deposit Receipt (FDR) of a Commercial Bank</i> (iv) <i>Insurance Surety Bonds</i> (v) <i>Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from a Commercial Bank.</i> 2. A part of earnest money is acceptable in the form of Bank Guarantee including e- Bank Guarantee also. In such cases 50% of earnest money or Rs. 20 lakh whichever is less, will have to be deposited in shape prescribed above and balance can be accepted in form of Bank Guarantee issued by a Commercial Bank. 3. <i>The FDR is pledged in favour of the tender inviting authority. It is in the tenderer's own interest to keep the FDR valid as long as it is required.</i> 4. If the banks are closed on the last date of submission of tenders, the date is postponed suitably.	SOP No 5/1: Mode of Deposit Earnest Money (Refer Para 5.1.3 (1)) 1. The Earnest Money is accepted through Online Payment mode and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from a Commercial Bank. 2. A part of earnest money is acceptable in the form of Bank Guarantee including e-Bank Guarantee also. In such cases 50% of earnest money or Rs. 20 lakh whichever is less, will have to be deposited through online payment mode and balance can be accepted in form of Bank Guarantee including e-Bank Guarantee issued by a Commercial Bank. 3. Deleted 4. No change.

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5. The MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of goods and services only. 6. For bid submission the contractor deposits the original EMD in the office of Engineer-in-Charge AE/DOH/ADH inviting bids or division office of any Engineer-in-Charge within the period of bid submission. <i>The EMD document is issued from the place in which the office of receiving division office is situated.</i> The Bank Guarantee including e-Bank Guarantee submitted as a part of Earnest Money is valid for a period of 90 days for single bid works and 180 days for two bid system or more from the date of submission of the tender.	5. No change. 6. Original Bank Guarantee (for balance amount as prescribed) shall be deposited by the contractor in the office of Engineer-in-Charge inviting bids or division office of any Executive Engineer within the period of bid submission. The Bank Guarantee document is issued from the same State in which the office of receiving division office is situated. No change.
SOP No. 5/2: Refund of Earnest Money (Refer Para 5.1.4 (1)) 1. The earnest money given by all the tenderers except the lowest tenderer is refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation. <i>Entry of Demand Draft/ Banker's cheque received as earnest money with the tenders is kept in the Tender Opening Register, and these need not be deposited in the Bank except for the lowest tenderer, if required.</i>	SOP No. 5/2: Refund of Earnest Money (Refer Para 5.1.4 (1)) 1. No Change. Deleted

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No Provision 2. The Engineer in Charge periodically reviews the Tender Opening Register with a view to ensure that the earnest money is refunded in time. It is the responsibility of Divisional Accountant to ensure that Earnest Money is refunded to unsuccessful tenderers in time specified above. 3. If the departmental officer desires that an item of earnest money deposit, instead of being refunded, be carried to the credit of the Government in the Consolidated Fund, he/she records the fact on the Deposit Receipt and in his/her initial records, and requests the Accounts Officer to effect necessary adjustment in Accounts.	2. EMD collected through Online mode, shall be refunded/ forfeited to the bidders through the e-tendering portal in the following manner: a. Bidder(s) shall initiate refund of Earnest Money Deposit through online mode for bid withdrawn by bidder before bid submission closing date and tender cancelled by tender inviting authority without its opening. b. Tender Inviting authority shall initiate refund/ forfeit of Earnest Money Deposit collected through online mode in the scenario(s) other than mentioned at S. No. 2 (a) above. 3. No change. 4. No Change.
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Annexure-21
(Refer SOP No. 4/8 & 4/9)
CPWD-6 FOR E-TENDERING

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

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

Annexure-21
(Refer SOP No. 4/8 & 4/9)
CPWD-6 FOR E-TENDERING

9. Earnest Money will be paid online through CPWD e-Tendering platform within the period of bid submission.

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

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The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation.	No change.
Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e- Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders,	No change
<i>whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.</i> The bid submitted shall be opened at 03:30 PM on	Who has deposited EMD online through CPWD e-tendering portal and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from a Commercial Bank on CPWD e-tendering platform and other documents scanned and uploaded are found in order. No change.

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ANNEXURE-22 INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT (Applicable for inviting open bids) 4. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.	ANNEXURE-22 INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR E-TENDERING FORMING PART OF BID DOCUMENT (Applicable for inviting open bids) 4. But the bid can only be submitted after deposition of EMD through Online Payment mode and original Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original Bank Guarantee and other documents as specified.
List of Documents to be scanned and uploaded within the period of bid submission: <i>Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque / FDR/ Bank Guarantee of any commercial Bank against EMD.</i>	List of Documents to be scanned and uploaded within the period of bid submission: Scanned copy of original Bank Guarantee including e-Bank Guarantee of any commercial Bank against EMD.
ANNEXURE-23 INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING (Applicable for inviting bids on 2/3 bid system) 5. But the bid can only be submitted	ANNEXURE-23 INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING (Applicable for inviting bids on 2/3 bid system) 5. But the bid can only be submitted after

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after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.	deposition of EMD through Online Payment mode and original Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents and Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original Bank Guarantee and other documents as specified.
List of Documents to be scanned and uploaded within the period of bid submission: Copy of receipt for deposition of original EMD to division office of any EE, CPWD.	List of Documents to be scanned and uploaded within the period of bid submission: Scanned copy of original Bank Guarantee including e-Bank Guarantee of any commercial Bank against EMD.

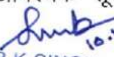
This is issued with the approval of DG CPWD.


(वी. पी. साहु)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2023, e- file 9134857

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


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केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन
No. DG/SOP-2022/23

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated 06.12.2023

Sub: Modifications/additions in SOP No. 5/33 for CPWD Works Manual 2022 regarding Clause 12 – Extra and Deviated items in works.

Following modifications/additions are made in SOP No. 5/33, S. No. 11 for CPWD Works Manual 2022:

Existing Provision	Modified Provision
SOP No. 5/33 : Operation of contract clauses (Refer Para 5.23) 11. Clause 12 of Forms no. CPWD 7 & 8 (i) Under this clause the Engineer-in-Charge has powers to make any alterations in, omission from, addition to or substitution for the original specifications, drawings, designs and instructions.	SOP No. 5/33 : Operation of contract clauses (Refer Para 5.23) 11. Clause 12 of General Conditions of Contract (Refer Para 5.11) 1. Under this clause the Engineer-in-Charge has powers to make any alterations in, omission from, addition to or substitution for the original specifications, drawings, designs, quantities and instructions.
(ii) The Engineer-in-Charge is empowered under this clause to give necessary instructions to the contractor, and the contractor is bound to carry out the work in accordance with such instructions, but the following three conditions are satisfied in the issue of such instructions: (a) Instructions must be given before any additional or substituted item is taken up. (b) They must be given in writing. (c) They must be signed by the Engineer-in-Charge	2. The Engineer-in-Charge is empowered under this clause to give necessary instructions to the contractor in writing before any extra item and/or deviation in agreement quantities is taken up.
3. No provision	3. Engineer-in-Charge will have proper check on the quantum of work. Contract amount can be exceeded only when competent authority sanctions extra items or/and deviation as per "Financial Powers Delegated to CPWD Officers". There shall be no deviation beyond contract amount without written communication from Engineer-in-Charge to the contractor.

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	Engineer-in-Charge should update the client department regarding likely increase in the completion cost due to execution of extra items and deviations beyond the contract amount and initiate RPE, if required.
4. No provision	4. Engineer-in-Charge shall have proper check on the amount of work under execution. Prior approval from ADG/SDG is required when completion cost of work is likely to go beyond 1.25 times of contract amount. It may be ensured that completion cost shall not exceed 1.5 times of contract amount. In case, completion cost is expected to exceed beyond 1.5 times of contract amount and additional work is required to complete the defined scope of work, Engineer-in-Charge may take up such additional work separately.
5. No provision	5. The powers for sanction of extra items and deviations are given in 'Financial Powers delegated to CPWD officers'. Timelines given in Para 5.11 of CPWD Works Manual is to be strictly followed.
6. No provision	6. CE/SE to review the works by conducting one or more monthly meetings to monitor the deviations, extra items and work done to ensure that expected completion cost is within limits as mentioned above.
7. No provision	7. ADG/SDG to monitor the progress of work where 80% of financial progress in terms of contract amount is achieved or 80% of stipulated construction time period is over.
8. No provision	8. ADG (Works) to review the progress of works above Rs. 20 Cr. where 80% of stipulated construction time period is over.

Note:- Sl. no. 4 of this OM is applicable for all NITs issued w.e.f. date of issue of this OM. All other points of this OM are applicable for all the ongoing and future works.

This issues with the approval of DG CPWD.

[Signature]
06.12.2023
(वी. पी. साहू)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/16(1)/2023, e- file 9163323

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

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06.12.2023
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EE(Manual)

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केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

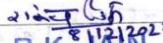
Nirman Bhawan, New Delhi

Dated: 08.12.2023

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

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

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

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


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

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

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

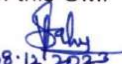
action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application 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

21/04/2023
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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. 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
(EE (Contact))

केन्द्रीय लोक निर्माण विभाग

कार्यालय झापन

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:

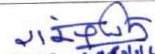
Existing provision	Modified provision
CONDITIONS OF CONTRACT	CONDITIONS OF CONTRACT
Definitions 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (x)(a)	Definitions 2. In the contract, the following 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


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 (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),

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

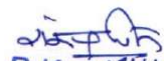
(a) Non Schedule Extra Item(s) - The contractor, shall within fifteen days of the receipt of order to execute extra item(s) or occurrence of the item(s), submit analysis of rate of extra item(s) based on the rate(s) of material(s) available in basic rate of Standard Schedule of Rate mentioned in schedule 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.

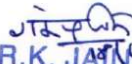
Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.


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


R.K. JAIN
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The rate(s) of extra items so determined by the Engineer-in-Charge shall be final and binding on the contractor, and shall not be arbitrable.	The rate(s) of extra item(s) so determined by the Engineer-in-Charge shall be final and binding on the contractor.
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 4/20/23
 (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))

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/ SOP-2022/24

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 18.12.2023

Sub: Modifications/additions in SOP No. 5/33 for CPWD Works Manual 2022
regarding Clause 12 – Extra and Deviated items in works.

Following modifications/additions are made in SOP No. 5/33, S. No. 11 for CPWD Works Manual 2022:

Existing Provision	Modified Provision
SOP No. 5/33 : Operation of contract clauses (Refer Para 5.23) 11. Clause 12 of Forms no. CPWD 7 & 8 (i) Under this clause the Engineer-in-Charge has powers to make any alterations in, omission from, addition to or substitution for the original specifications, drawings, designs and instructions.	SOP No. 5/33 : Operation of contract clauses (Refer Para 5.23) 11. Clause 12 of General Conditions of Contract (Refer Para 5.11) 1. Under this clause the Engineer-in-Charge has powers to make any alterations in, omission from, addition to or substitution for the original specifications, drawings, designs, quantities and instructions.
(ii) The Engineer-in-Charge is empowered under this clause to give necessary instructions to the contractor, and the contractor is bound to carry out the work in accordance with such instructions, but the following three conditions are satisfied in the issue of such instructions: a. Instructions must be given before any additional or substituted item is taken up. b. They must be given in writing. c. They must be signed by the Engineer-in-Charge	2. The Engineer-in-Charge is empowered under this clause to give necessary instructions to the contractor in writing before any extra item and/or deviation in agreement quantities is taken up.

[Signature] 18.12.2023
R K SINGH
EE(Manual)

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3. No provision	3. Engineer-in-Charge will have proper check on the quantum of work. Contract amount can be exceeded only when competent authority sanctions extra items or/and deviation as per "Financial Powers Delegated to CPWD Officers". There shall be no deviation beyond contract amount without written communication from Engineer-in-Charge to the contractor. Engineer-in-Charge should update the client department regarding likely increase in the completion cost due to execution of extra items and deviations beyond the contract amount and initiate RPE, if required.
4. No provision	4. Engineer-in-Charge shall have proper check on the amount of work under execution. Prior approval from competent authority is required when completion cost of work is likely to go beyond 1.25 times of contract amount. Competent authority is ADG/SDG in case of construction contract and SE/CE in case of maintenance contract. It may be ensured by the Engineer-in-charge that completion cost shall not exceed 1.5 times of contract amount. In case, completion cost is expected to exceed beyond 1.5 times of contract amount and additional work is required to complete the defined scope of work, Engineer-in-Charge may take up such additional work separately.
5. No provision	5. The powers to sanction the extra items and deviations are given in 'Financial Powers delegated to CPWD officers'. Timelines given in Para 5.11 of CPWD Works Manual is to be

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 EE(Mannual)
 18.12.2023

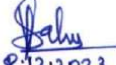
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	strictly followed.
6. No provision	6. CE/SE to review all the live contracts by conducting one or more meetings in a month to monitor the deviations, extra items and work done to ensure that expected completion cost is within limits as mentioned above.
7. No provision	7. ADG/SDG to monitor the progress of work where 80% of financial progress in terms of contract amount is achieved or 80% of stipulated construction time period is over.
8. No provision	8. ADG (Works) to review the progress of works above Rs. 20 Cr. where 80% of stipulated construction time period is over.

Note:-

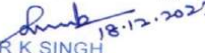
1. Sl. no. 4 of this OM is applicable for all the tenders received after issue of this OM.
2. All other provisions of this OM are applicable for all the ongoing and future works are effective from date of issue of this OM.
3. OM No. DG/SOP 2022/23 dated 06.12.2023 is superseded by this OM.

This issues with the approval of DG CPWD.


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

Issued from file No. CSQ/CM/16(1)/2023 e-file 9163323

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


 18.12.2023
 R K SINGH
 EE(Manual)

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**Central Public Works Department
Office Memorandum**

No. DG/Enlist. Rules-2023/ 10

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 22.04.2024

Sub: **Modification for enlistment under rule 12.0 in ER-2023.**

Ref: **OM No. DG/Enlist.Rules-2023/03 dated 20.09.2023 and DG/Enlist.Rules-2023/07 dated 12.01.2024**

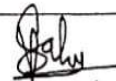
Following modification is made in the Enlistment Rules 2023.

Existing Provision	Modified Provision
12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below: (a) to (d) (e) The existing enlisted contractor either himself or his authorized representative shall take 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 before 31.03.2024. Training will be valid only when participants are registered and certificate issued through LMS (Learning Management System) in ERP. From 01.04.2024, the enlisted contractor will not be allowed to participate in tendering process without	12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below: No Change (e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP (Enterprise Resource Planning) training through any of the CPWD Regional Training Institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit of CPWD before 30.06.2024. Training will be valid only when participants are registered in LMS (Learning Management System) of ERP and certificate is issued through LMS of ERP. From 01.07.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the

R.K. JAIN
EE (Contract)

uploading the certificate of above training.	certificate of above training.
(f)	No Change
(g) No provision	(g) In case of non-enlisted contractor being first lowest in any of the tender then either contractor himself or his authorized representative shall take 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 of CPWD within two months from the date of issue of Intent letter. Training will be valid only when non enlisted contractor is registered in LMS of ERP and certificate is issued through LMS of ERP. Failure to do so, a recovery of Rs. 10,000/- per week shall be made from the R/A bill without giving any show cause notice in this regard.

This issues with the approval of DG CPWD.


22.04.2024
(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/18(4)/2024, e- file 9161361

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


22/04/2024
R.K. JAIN
EE (Contract)

केन्द्रीय लोक निर्माण विभाग
कार्यालय झापन

No. DG/CON/Maintenance 2023/10

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 09.10.2024

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

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

Existing provision	Modified provision
Clause 10A Materials to be provided by the contractor The contractor shall as specified in Schedule F. 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.

R K SINGH
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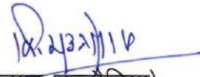
Appendix-XX

REGISTER OF MATERIAL AT SITE (MAS)

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

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

This issues with the approval of DG, CPWD.


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

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

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


 R.K. SINGH
 EE (Manual)



केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/11

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

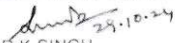
Nirman Bhawan, New Delhi

Dated: 29.10.2024

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

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

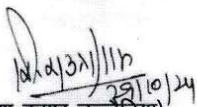
Existing Provision	Modified Provision
Clause 10A: Materials to be provided by the Contractor (i) The contractor shall, thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor. 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


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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

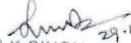
This OM is applicable for all NITs uploaded after date of issue of this OM.

This is issued with the approval of DG CPWD.


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

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

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


R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/12

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 03.01.2025

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

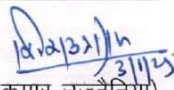
The following amendments are made in the General Rules and Directions of GCC 2023 for Maintenance Works:

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


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 EE(Manual)

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

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

R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/16
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 16.06.2025

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

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

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

This issues with the approval of DG, CPWD.

चन्द्रपाल
(चन्द्र पाल) 16/06/2025

अधीक्षण अभियंता (सी. एंड एम.)

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

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

16.06.25
R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/17

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 06.11.2025

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

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

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

This is issued with the approval of DG CPWD.

(सिद्धि) 06.11.2025
 (सिद्धि) 06.11.2025
 अधीक्षण अभियंता (सिद्धि) 06.11.2025
 (सिद्धि) 06.11.2025

Issued from file No. CSQ/CM/17(1)/2024/ Maintenance e-file 9195855 (DFA/9350595)
 के.लो.नि.वि. तथा लो.नि.वि. दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु (के.लो.नि.वि.वेबसाईट के माध्यम से)।

1.11.25

D. P. Jindal
 EE (Contract)

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

13/2/26 Jindal
EE (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)

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


 27.02.26

D.P. Jindal
EE (Contract)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/19

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 25.03.2026

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

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

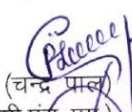
Existing provision	Modified provision
Clause 6: Computerized Measurement Book (CMB)/ Electronic Measurement Book (EMB) through CPWD ERP portal Engineer-in-Charge with the contract. All measurements and levels of work done during the period covering latter half of the preceding calendar month and first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

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

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

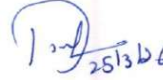
Mode of measurement : CMB / EMB Note:- One option to be kept by NIT approving authority	(a) Mode of measurement: CMB/ EMB (b) Measurement to be recorded either by contractor or jointly by department and contractor. Note:-Only one option to be kept by NIT approving authority in (a) and (b)
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This issues with the approval of DG, CPWD.


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

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

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


 25/3/22

D.P. Jindal
EE (Contract)

Prescribed format of Receipt of deposition of original EMD alongwith NIT:-

Receipt of deposition of original EMD (Receipt NO...../Date.....)

- 1 **Name of work** :- **_Repair works in passenger lift before installation of new lift at Govt. of India premises, New Delhi.(SH: Civil Works)**
- 2 **NIT No.** :- **.....**
- 3 **Estimated Cost** :- **Rs. 2,23,146/-**
- 4 **EMD** :- **Rs. 4463/-**
- 5 **Last date & time of submission of bid** :- **.....**..... at 3.00 PM.**
- 6 **Name of Agency** :-
- 7 **Mobile No. of Agency** :-
- 8 **Email ID of Agency** :-
- 9 **Amount of Earnest Money deposit** :-
Rs.....No.....Dt.....

(Complete address of receiving authority)
With Phone No.

(Stamp of receiving authority)

** to be filled by EE

मद अनुसूची / SCHEDULE OF QUANTITY

कार्य का नाम / Name of work:- Repair works in passenger lift before installation of new lift at Govt. of India premises, New Delhi.(SH: Civil Works)

S. No.	DSR Code	Description of item	Qty	Unit	Rate	Amount
1	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
1.1	8.2.2	Granite stone slab of colour black, Cherry/Ruby red				
1.1.1	8.2.2.1	Area of slab upto 0.50 sqm	6.00	Sqm	5413.50	32481.00
2	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
2.1	13.2.1	1:4 (1 cement: 4 fine sand)	25.00	Sqm	399.45	9986.00
3	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
3.1	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	25.00	Sqm	185.65	4641.00

4	13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	25.00	Sqm	156.05	3901.00
5	13.81	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour				
5.1	13.81.1	Old work (one or more coats)	223.00	Sqm	62.70	13982.00
6	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall	25.00	Sqm	338.25	8456.00

		be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.				
7	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	24.00	Sqm	266.45	6395.00
8	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	25.00	Sqm	54.65	1366.00
9	Based on DSR	Granite stone work gang saw cut (polished and machine cut) of thickness 18 mm for wall lining (veneer work), backing filled with a grout of average 12 mm thick in cement mortar 1:3 (1 cement : 3 coarse sand), including pointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with an admixture of pigment to match the marble shade (To be secured to the backing by means of cramps, which shall be paid for separately).Area of slab over 0.50 sqm (a) 18mm thick polished granite stone	20.00	Sqm	6962.28	139246.00

		all colour except black, cherry/rubby red, elite brown, cat Eye or equivalent				
					Total	220454.00
		Modified Estimated cost after using correction factor on DSR 2023 on account of GST @ 0.973 OM No.158/SE(TAS)/GST/2024/02-E dated 08/08/2024				214502.00
					Total	214502.00
			Add Cost Index 4.03 %			8644.00
					Total	223146.00

FINANCIAL BID
(Performa for Quoting the Rates)

CENTRAL PUBLIC WORKS DEPARTMENT					
NIT No. 83/EE (E)/DED-61/2026-27					
NAME OF WORK:		Replacement of 3 Nos. of passenger lift at Govt. of India premises, New Delhi. (SH: Electrical & Civil Works).			
SCHEDULE OF QUANTITY					
S. No	Name of Components	Estimated Cost	Percentage above or below the Estimated Cost	%age in Figures	Total Cost
1.	Electrical Works	Rs. 62,24,361/-			
2	Civil Works	Rs. 2,23,146/-			
	Grand Total	Rs. 64,47,507/-			

