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कार्य का नाम: - Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)

अनुमानित लागत / Estimated Cost	:	Rs. 85,21,569/-
अग्रिम राशि / Earnest Money	:	Rs. 1,70,431/-
प्रतिभूति निक्षेप राशि / Security Deposit	:	2.5% of tendered value
निष्पादन गारंटी / Performance Guarantee	:	5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).
समय निर्धारित / Time allowed	:	02 Months

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प्रमाणित किया जाता है कि इस निविदा में शुद्धि परियों सहित 106 पृष्ठ है। (इस पृष्ठ सहित)

Certified that this N.I.T. contains page 1 to 106 (One Hundred Six Pages) only.

This N.I.T. is approved for Rs. 85,21,569/- (Rupees Eighty-Five Lacs Twenty-One Thousand Five Hundred Sixty-Nine Only) vide N.I.T. No. 26/EE/L-Divn. /2026-27.

सहायक अभियंता(यो0)

एल—मंडल, के.लो.नि.वि.,
आई.पी. भवन, नई दिल्ली।

कार्यपालक अभियंता

एल—मंडल, के.लो.नि.वि.,
आई.पी. भवन, नई दिल्ली।

NOTICE INVITING e-TENDERS

The Executive Engineer, L-Division, CPWD, IP Bhawan, New Delhi-110002 (Tel. No. 011-23379566, e-mail: deleecp.wd@nic.in) on behalf of the President of India, invites online **Percentage rate tenders** from the eligible and enlisted contractors of appropriate class of CPWD for the following work.

S. No	NIT No	Name of work & location	Estimate cost put to bid (Rs.)	Earnest Money (Rs.)	Stipulated period of completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date and time of opening of bid
1	26/EE/L-Divn./2026-27.	Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)	Rs. 85,21,569/-	Rs. 1,70,431/-	02 Months	Upto 3:00 PM on 13/08/2026	Upto 3:30 PM on 13/08/2026

The bid forms and other details be obtained from the website or www.cpwd.gov.in free of cost.

Executive Engineer
L- Division, CPWD
New Delhi- 110002.

**To be filled by EE/AAO

CHECK LIST FOR BIDDERS FOR SUBMISSION OF BIDS

- 1 The bidder should read all the instructions, items & conditions, contract clauses, nomenclature of items, specifications etc., contained in the bid document very carefully, before quoting the rates.
- 2 The bidder should also read the General Conditions of Contract for maintenance works 2023 for CPWD works, published by DG (W), CPWD, Nirman Bhawan, New Delhi which will be a part of the Agreement with up to date amendments upto the date of receipt of tenders.
- 3 The bidder shall quote his rates keeping in mind the specifications, terms & conditions, additional and special conditions etc. and nothing extra shall be payable unless otherwise specified. The agency shall have to work round the clock on Saturday, Sunday & Holidays, if needed. Nothing extra shall be paid to the agency in such situations. The agency has to submit programme chart accordingly for prior approval by the Engineer-in-charge.
- 4 The bidder shall have to make his own arrangement for housing facilities for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the project site. Any decision in this regard shall rest with the Engineer-in-charge and the contractor shall have no claim on this account in any kind.
- 5 The bidder shall quote his rebate if required, mentioning specifically on what component it is applicable otherwise it shall be considered general rebate on total quoted rates.
- 6 The work required to be executed in occupied building. The bidder shall take precaution to ensure quality of workmanship as well as the progress of the work. He shall regulate the labourers accordingly.
- 7 The bidder shall make arrangement for disposal of dismantled materials, malba from upper floors or from the sites on daily basis which should be environment friendly.
- 8 **C.P.W.D Contractor's Labour Regulations:**

Payment of Wages (as per DG, CPWD OM no. DG/SE/CM/CON/283 dated 05.05.2015)

 - (i) Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.
 - (ii) All wages shall be paid through bank or ECS or online transfer.
 - (iii) It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labourers.
 - (iv) The contractor shall obtain from the junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form:-

"Certified that the amount shown in column No.....has been paid to the workman concerned through bank account of labourer on.....at....."

9 Modifications as per DG, CPWD OM no. DG/SE/CM/CON/285 dated 08/11/2015:-

- a. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registration or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW welfare board and program chart (time and progress) within the period specified in schedule 'F'
 - b. As per introduced clause 7A, no running account bill shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW welfare board whatever applicable are submitted by the contractor to the Engineer-in-charge.
 - c. The contractor shall also comply with provision of the interstate migrant workman (regulation of employment) and condition of service at 1979.
- 10 GST as applicable shall be borne by the agency. The agency shall quote his rates considering applicable GST and other taxes and nothing extra shall be paid on this account.
 - 11 Necessary recoveries as applicable shall be made from the bill as per Govt. Rule.
 - 12 Agency has to be following the up to date direction/guidelines issued by the department time to time regarding pandemic Covid-19.
 - 13 In Case of extension of agreement due to delay/reduction in scope of work; 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.
 - 14 The agency shall be bound to do the work in any location under the jurisdiction of 'L' Division as decided by Engineer-in-Charge for which nothing extra shall be paid.
 - 15 Testing charges to be borne by contractor:- All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from approved laboratories by ADG (RD) / SDG.
 16. The guidelines regarding preventive measures for Air Pollution from demolition & construction activities issued by Delhi Pollution Control Committee vide no. DPCC/EIA/Res-001 to 172/NGT-21/2015/225-408 dated 17.04.2015 in compliance of Hon'ble National green Tribunal directions are applicable to the contractor. All appropriate protection measures as per NGT, DPCC and Ministry of Environment and Forest issued time to time shall be taken by the contractor at his own cost. Nothing extra shall be payable to the contractor on this account.

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

The Executive Engineer, L-Division, CPWD, IP Bhawan, New Delhi-110002 (Tel. No. 011-23379566, e-mail: deleecp.wd@nic.in) on behalf of the President of India, invites online **Percentage rate tenders** from the eligible and enlisted contractors of appropriate class of CPWD for the following work.

S. No	NIT No	Name of work & location	Estimate cost put to bid (Rs.)	Earnest Money (Rs.)	Stipulated period of completion of work (in months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date and time of opening of bid
1	26/EE/L-Divn./2026-27.	Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L-Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)	Rs. 85,21,569/-	Rs. 1,70,431/-	02 Months	Upto 3:00 PM on 13/08/2026	Upto 3:30 PM on 13/08/2026

- The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit this bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website <http://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
- But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance surety bonds, account payee Demand draft or Bankers Cheque or Fixed Deposit Receipt or/and Bank Guarantee (For balance amount as prescribed) from any of the commercial 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.
- 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>.

****To be filled by EE/L-Divn.**

6. The intending bidder must have valid class-III digital signature certificate with encryption key (Combotype) to perform any operations/transactions on the e-tendering portal/website and the bidders should download and install the eMsigner on their system as per instruction available on download section of <https://etender.cpwd.gov.in>.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue

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

However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. SC/ST contractors enlisted under class V category are exempted from processing fee payable to ITI.
11. The Contractor should quote the percentage above or below to two places of decimal only.
12. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
13. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them. Otherwise, department may reject the bid.
14. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.
15. If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
16. Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.
17. The agency shall follow the standard operating procedure and guidelines scrupulously at the construction site to contain the outbreak of COVID-19. It is the sole responsibility of the agency to adhere to the SOPs issued by CPWD and other orders & Guidelines issued by various Governments (Govt. of India and or/ state Govt. and /or Dist. Administrative of local Govt). The quoted rates shall

inclusive of all such required measures and materials like Soaps, Detergents, Sanitizers, Disinfections, Masks, Gloves and other personal protection equipment's to contain COVID-19 and nothing extra shall be paid."

18. The bidder, who has backed out, shall not be allowed to participate in the re-tendering process.
19. Testing charges to be borne by contractor:-

All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor from approved laboratories by ADG (D) / SDG.
20. The agency shall be bound to do the work in any location under the jurisdiction of 'L' Division as decided by Engineer-in-Charge for which nothing extra shall be paid.
21. Malba obtained from execution of work shall be removed immediately and shall not remain in premises more than 24 hours.
22. **Immediately after handing over of any accommodation to the agency, the architectural drawings viz. plan, section & elevation of the residence/flat mentioning each and every dimension shall be prepared by the agency & submitted to the department within 7 days in AutoCAD format. Also, photography/videography shall be done immediately for the handed over premises and submitted to the Engineer-in-charge. Nothing extra shall be payable on this account.**
23. **The agency has to prepare and submit the shop drawings for different components of work viz. window work, door work etc. and plumbing drawing. In addition, the agency has to associate experienced working professionals to make the working drawings of the area of work by way of incorporation of different components of work within 15 days of start of such work. Nothing extra shall be payable on this account.**

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

1.	Insurance Surety Bond, Demand Draft/ Account Payee Banker's Cheque/ FDR/Bank Guarantee of any commercial Bank against EMD (Drawn in favour of Executive Engineer, L-Division, CPWD, I.P. Bhawan, New Delhi.
2.	Receipt for deposition of original EMD issued from Division office of any Executive Engineer, CPWD. (The EMD document shall be issued from the place in which the office of receiving division office is situated). (Format Annex-A1)
3.	Valid Enlistment Order of the Contractor.
4.	Copy of PAN CARD.
5.	GST registration certificate, if already obtained by the bidder. List of the bidder has not obtained GST registration 'as applicable', then he shall scan and upload following undertaking along with bid documents. <i>"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".</i>
6.	Affidavit/ declarations to be given on Rs. 100/- stamp paper on Format given at Annex-A2 regarding: (a) Contact details: Email and mobile No. of the firm/agency (for making correspondence), (b) Affidavit regarding Non-Debarred/Suspended in CPWD. (c) Declaration under official secret Act 1923
7.	The certificate issued through LMS (Learning Management System) in ERP under "Train the Trainers Program" arranged by ERP unit. ERP Training certificate.

NOTE: All scanned and uploaded documents, as specified above, shall have to be submitted by the lowest bidder in original within a week after opening of tender.

Executive Engineer
L- Division, CPWD
New Delhi- 110 002

Annexure-‘A1’

Receipt of deposition of original EMD (Receipt No.....#..... Date#.....)	
<u>Name of work:</u> - Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)	
1. NIT No.	: 26/EE/L-Divn./2026-27.
2. Estimated Cost	: Rs. 85,21,569/-
3. Amount of Earnest Money Deposit:	: Rs. 1,70,431/-
Last date of submission of bid : Upto 15:00 Hrs. on 13/08/2026 (*To be filled by Tender inviting authority/NIT approving authority at the time of issue of NIT and uploaded along with NIT)	
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 E.E./DDH	
“EMD to be drawn in favour of “Executive Engineer, L-Division, CPWD, I.P. Bhawan, New Delhi”.	

Proforma for:
(On Rs. 100/- stamp paper)

(a) Contact Details

(b) Non-Debarred/Suspended in CPWD

I Declaration under official secret Act 1923

To,

The Executive Engineer
L-Division, CPWD,
I.P. Bhawan, New Delhi.

Name of Work: - Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)

NIT No. : 26/EE/L-Divn./2026-27.

A. Contact Details

(i) E-Mail Id. :

(ii) Mobile Number:

B. Affidavit regarding Non-Debarred/Suspended in CPWD

“I/We have not been debarred/suspended for tendering in CPWD till the last date of submission of bid”.

C. Declaration under official secret Act 1923

“I/We shall maintain the secrecy of the tender documents, drawings or other records connected with the work given to me/us. The unsuccessful tenderers shall return all the drawings given to them. Otherwise, department has right to reject the bid and take action against me/us as per rules”.

Signature of bidder

CPWD-6 (for e-Tendering)

1. Online Percentage Rate bids are invited on behalf of the President of India from the approved, eligible and enlisted contractor of appropriate class of CPWD for the following work: - **Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)**

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

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

- 1.1 The work is estimated to cost **Rs. 85,21,569/-**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD7, which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder 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 **02 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 tender documents.
4. The site for the work is available.
5. Bid documents consisting of plans, specifications, the schedule of quantities of the various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen and downloaded from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times or withdraw it before last date and time of submission of bid as notified. No post-tender modification is allowed by the tenderers except through negotiations, if required. In case, any tenderer does so, the tender will be rejected and the tenderer will be debarred for future tendering in CPWD for two years by the concerned enlisting authority (in case of CPWD enlisted contractor) and by the concerned CE/SE (in case of non-enlisted contractor).
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee i/c e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank (drawn in favour of Executive Engineer 'L' Division) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, 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 i/c e-Bank Guarantee of any Commercial Bank having validity for 90 days 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, whose original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at **03:00 PM on 13/08/2026**

9. The bid submitted shall become invalid and e-Tender processing fee(if applicable) shall not be refunded if:
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.
 - (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of 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.

(OM No. DG/SOP 2022/07 dated 09.11.2022)
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’ and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee i/c e-Bank Guarantee from any of the Commercial Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’, including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractors for the said work within the period specified in Schedule F.
11. The Description of work is as follows:- **Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)**
 Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or effect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderers shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of tender by a tenderer implies that he has read this notice and all other contract documents has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc., will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
12. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

**** To be filled by EE/L-Divn.**

13. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractor who resort to canvassing will be liable for rejection.
14. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
15. The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Executive Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
16. No. Engineer of Gazette rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
17. The bids for the work shall remain open for acceptance for a period of 30(Thirty) days from the date of opening of bids, Further
 - (i) If any tenderer withdraws his tender or makes any modification in the term & Conditions of the tender, which is not acceptable to the department within 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender, which is not acceptable to the department after expiry of 7 days after last date of submission of bid, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
18. This Notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority, shall, within 15(Fifteen) Days from the stipulated date of start of the work, sign the contract consisting of:-
 - (a) The notice inviting bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard CPWD Form-7, GCC 2023 (Maintenance work) as corrected/modified, amendments issued upto last day of the online receipt of tender.
19. 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.
20. 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 of Schedule A to F.
21. GST as applicable shall be borne by the agency. The agency shall quote his rates considering applicable GST and other taxes and nothing extra shall be paid on this account.

22. Necessary recoveries as applicable shall be made from the bill.
23. The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned Executive Engineer (Phone No.011-23379561, e-mail ID- deleecl.cpwd@gmail.com) or **ERP help line no. 18001803286 or e-mail-Id cpwd.support@techmahindra.com**. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest. **(DG/SOP/36 dated 25.03.2022)**

**Executive Engineer
'L' Division, CPWD
I.P. Bhawan, New Delhi**

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :- New Delhi

CIRCLE:- Delhi Circle-1

BRANCH :- B & R

DIVISION :- L- Division

REGION :- Delhi

Percentage Rate Tender & Contract for Civil Works

Tender for the work of:-- **Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)**

- (i) Tenders to be uploaded online by 03:00 PM on 13/08/2026
- (ii) To be opened online in presence of tenders who may be present on 13/08/2026 at **03:30 PM in the office of Executive Engineer, L-Division, CPWD, IP 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, 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 documents 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 **Thirty (30) days** from the due date of its opening and not to make any modifications in its terms and conditions.

I/we have deposited EMD for the prescribed amount in the office of any/concerned Executive Engineer as per the bid documents.

A copy of earnest money in 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. 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 forfeiture of earnest money or performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

**** To be filled by EE/L-Divn.**

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 tendering in CPWD in future forever. Also, if such a violation comes to the notice of department before of date of start of work the Engineer-in-charge shall be free to forfeit the entire earnest money deposited/Performance Guarantee.

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

Dated

Signature of Contractor
Postal Address

Witness:

Address:

Occupation:

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: -

i)

ii)

iii)

For & on behalf of the President of India.

Signature

Designation

Dated.....

PERFORMA OF SCHEDULES (A to F)

SCHEDULE 'A'		
Schedule of quantities		As attached
SCHEDULE 'D'		
Extra schedule for specific requirements/documents for the work, if any.		Nil
SCHEDULE 'E'		
Reference to General Conditions of contract		General Conditions of Contract for Maintenance Works 2023 for CPWD works as modified & corrected upto previous day of the last date of submission of the tender.
Name of Work:		
Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)		
Estimated cost of work:		Rs. 85,21,569/-
(i)	Earnest money	Rs. 1,70,431/- (To be returned after receiving performance guarantee)
(ii)	Performance guarantee	(a) 5% of tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher). (b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.
(iii)	Security Deposit	2.5% of Tendered Value
SCHEDULE 'F'		
General Rules & Directions:		
Officer inviting tender-		Executive Engineer L-Division, CPWD, New Delhi
Definitions:		
2(v) Engineer-in-Charge		Executive Engineer L-Division, CPWD, New Delhi
2(vi) Accepting Authority		Executive Engineer L-Division, CPWD, New Delhi.
2(x) Percentage on cost of materials and labour to cover all over heads and profits		15%
Standard schedule of Rates		Delhi Schedule of Rates 2023 (correction issued upto last day 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 Maintenance Works 2023, CPWD Form 7 as modified & corrected upto previous day of the last date of submission of the tender.
Clause1	
(i)Time allowed for submission of Performance Guarantee along with requisite documents mentioned else wherein 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 Guarantee amount beyond the period provided in (I) above	03 Days
Clause-2 Authority for fixing compensation under clause-2	Superintending Engineer, Delhi Circle-1, CPWD New Delhi
Clause-2A Applicable clause2/clause 2A	Caluse-2

Clause5

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	10(Ten) days
-----	---	---------------------

Milestone(s) as per table given below:-

Sl. No.	Description of Milestone	Time allowed in days (from date of start)	Amount to be with- held in case of non- achievement of Milestone
1	---NA---		

Time allowed for execution of work : 02 Months

Authority to decide: -		
(i)	Authority to convey the decision of shifting of milestone and extension of time	Executive Engineer, L-Division, CPWD, I.P. Bhawan, New Delhi
(ii)	Authority to decide for Rescheduling of milestones and extension of time	Superintending Engineer, DC-1, CPWD, New Delhi
(iii)	Shifting of date of start in case of delay in handing over of site.	Superintending Engineer, DC-1, CPWD, New Delhi

CLAUSE 5**Applicable Clause 5/ Clause 5A****: Clause 5****Clause 6: Electronic Measurement Book (EMB) through CPWD ERP Portal****Clause 6: Mode of measurement** (a) Mode of measurement - EMB

(b) Measurement to be recorded by jointly by department and contractor. (DG/Con/Maintenance 2023/19 dt.25/03/2026)

Clause7 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.	Rs. 42.00 Lac
Clause7A Whether Clause 7A shall be applicable	Yes No running account shall be paid for the work till the applicable labour license, registration with EPFO, ESIC and BOCW Welfare Board Whatever applicable are submitted by the contractor to the Engineer-in-charge.
Clause10A List of testing equipment to be provided by the Contractor at site lab:	As per the requirement of item of work and direction of Engineer-in-charge
Clause10B (ii) Whether Clause 10B(ii) shall be applicable	Not applicable
Clause10C Component of Labour expressed as percent of total value of work	Not Applicable
Clause 10CC Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period of 02 Months Applicable/Not Applicable Schedule of Component of material, Labour etc. For price escalation. Component of Civil. Component of labour:- POL	Not applicable Not applicable
Clause 10 D	Applicable
Clause 11 Specifications to be followed for execution of work	CPWD Specification 2019, Volume-I & Volume-II with correction slips issued upto last day of online receipt of bids & Manufacturer's Specifications.
Clause 12 Type of Work	Maintenance Work The completion cost shall, in no case exceed 1.5 times of Tendered amount

12.3 Deviation, Deviated Quantities, Pricing	All deviated quantities shall be paid at agreement rate.
Deviation beyond quantity taken in schedule of quantity	All deviated quantities shall be paid at agreement rate.
Clause 16 Competent Authority for deciding reduced Rates	SE, Delhi Circle-1, CPWD New Delhi upto 5% value of agreement 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 actually required at site and shall be arranged by the contractor as per the direction of Engineer-in-charge.

Clause 19	
Clause 19C	} Engineer-in-charge (authority to decide penalty for each default)
Clause 19D	
Clause 19G	
Clause 19K	Not Applicable

Clause 25	
Conciliator-	Additional Director General (Delhi)
Arbitrator Appointing Authority	Superintending Engineer, DC-1, CPWD, New Delhi
Place of Arbitration	New Delhi

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

Sl. No.	Minimum Qualification of Technical Representative	Nos. of Major + Minor component	Designation (Principal Technical / Technical Representative)	Minimum Experience (Years)	Rate at which recovery shall be made from the contractor in the event of not fulfilling	
					Figures (in Rs.)	Word
1.	Graduate Engineer OR Diploma Engineer	1+0	Project Manager Cum Planning/quality/ Site/billing Engineer	2 years or 5 years	50,000/-	Rupees Fifty Thousand Only

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

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

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 bid 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

**Executive Engineer
L-Division, CPWD,
I.P. Bhawan, New Delhi.**

NOTIFICATION AND CIRCULERS

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/SOP- 2024/22

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 23.03.2026

Sub: Modification in SOP No. 5/1 for CPWD Works Manual 2024.

Following modification is made in SOP 5/1 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
SOP No 5/1: Mode of Deposit Earnest Money (Refer Para 5.1.3 (1))	SOP No 5/1: Mode of Deposit Earnest Money (Refer Para 5.1.3 (1))
Sl. No. 1 to 6	No change
7. No provision	7. EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.

This issues with the approval of DG CPWD.

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

Issued from file No. CSQ/CM/16(1)/2026 e-file 9210279 (DFA/ 9359806)

(चन्द्र पाल, सी. एंड. एम.)
Chander Pal, SE (C&M)

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

K. G. Bansal
EE (Manual)

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.

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D.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) Clause 6 : Computerised Measure Book (CMB) / Electronic Measurement Book (EMB)	PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) Clause6: Computerised Measurement Book (CMB) / Electronic Measurement Book (EMB)

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

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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. एण्ड 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 वेबसाइट के माध्यम से)

12/25/26

D.P. Jindal
EE (Contract)

केन्द्रीय लोक निर्माण विभाग
कार्यालय झापन

No. DG/SOP- 2024/23

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 25.03.2026

Sub: Modification in SOP No. 5/20 for CPWD Works Manual 2024.

Following modification is made in SoP No. 5/20 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
SOP No. 5/20: (B) ERP Electronic Measurement Book (e-MB) (Refer para 5.12.1(B))	SOP No. 5/20: (B) ERP Electronic Measurement Book (e-MB) (Refer para 5.12.1(B))
8. No provision	8. Recording of measurements of annual repairs and maintenance works, special repair works, comprehensive maintenance and upgradation works of agreement amount upto Rs. 10 crores. In respect of annual repair and maintenance works, special repair works, comprehensive maintenance works and the upgradation works to be executed in Delhi, JE/AE (where JE are not available) shall measure the items of work jointly with the contractor and record the measurements and get the dated signature of the contractor on the record measurements of the works within 7 days and also give a copy of the same to the contractor, in case of CMB. However, in case of EMB, intimation on ERP portal may be given to the contractor for cross checking of measurements. The contractor may thereafter submit the bill on the basis of same. Accordingly, provision is to be made in schedule 'F' of the NIT, as the necessary amendment in the GCC has been made vide OM No. DG/CON/Maintenance 2023/19 dated 25.03.2026.

This issues with the approval of DG CPWD.

अधीक्षण अभियंता (सी.मंड.एम्.)
(चन्द्र पाल)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/16(1)/2025 e-file 9195855(DFA/ 9356089)

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

15/3/26
K.G. Bansal
EE (Manual)

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/03

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

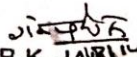
NIRMAN BHAWAN, NEW DELHI

Dated: 18.12.2023 ✓

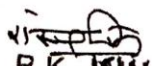
Subject: Modifications in Conditions of Contract, Clause 12 and Schedule E and F of GCC 2023 for Maintenance Works

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

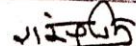
Existing provision	Modified provision
CONDITIONS OF CONTRACT	CONDITIONS OF CONTRACT
Definitions 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-	Definitions 2. In the contract, the following expressions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


 R.K. JAIN 14/12/23
 (EE (Contact))

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


 R.K. JAIN
 (EE (Contact))

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


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

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

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

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

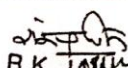
The rate(s) of the material(s) which are not available in Standard Schedule of Rates, mentioned in Schedule F, shall be based on, tax paid bill(s) for the material(s) as defined in manufacturer's specification.

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

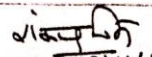
- i. Analyzed rate(s) as above multiplied by (Contract amount divided by estimated cost put to tender), if tendered amount is below the estimated amount put to tender.
- ii. Analyzed rate, if the Contract amount is above the estimated amount put to tender.

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

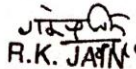
Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.


R.K. JAIN
(EE (Contract))

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 - 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. - For item rate tender, the extra item(s) shall be paid as per the said schedule rate enhanced or reduced by the applicable cost index and multiplied by (Contract amount divided by estimated cost put to tender).


R.K. JAIN
(EE (Contact))

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


 R.K. JAIN 4/2/23
 (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. साह)

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 झापन

No. DG/CON/ Maintenance 2023/18

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

VIDYUT BHAWAN, NEW DELHI

Dated: 27.02.2026

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

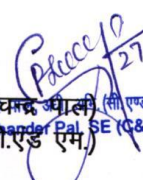
The following modifications are made in the General Rules & Directions, Clause 1 and Schedule E of GCC 2023 Maintenance Works.

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


D.P. Jindal
EE (Contract)

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


 27.02.2026
 चन्दर पाल (सी.एड.एम.)
 Chandar Pal SE (C&M)
 अधीक्षण अभियंता (सी.एड.एम.)

Issued from file No. CSQ/CM/17(1)/2026/ Maintenance e-file 9212995 (DFA/ 9365660)

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


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

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:

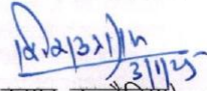
Existing provision	Modified provision
Applicable for Item Rate Tender only (CPWD - 8) 4 The rates rupee one. In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised 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 $\pm$ amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit revised price bid online quoting percentage above/

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percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.	below on estimated cost of tender including all sub sections/sub heads as the case may be 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.	No change
In case all process of the work.	

This issues with the approval of DG, CPWD.


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

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

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


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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 वेबसाइट के माध्यम से)

(विनेश कुमार खज्जैनिया)
अधीक्षण अभियंता (सी.एंड.एम.)

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**Central Public Works Department
Office Memorandum**

No. DG/CON/Maintenance 2023/14

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 10.02.2025

Subject: Modifications in Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works.

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

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

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Clause 9 Payment of Final Bill	Clause 9 Payment of Final Bill
The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period of three months the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized Asstt. Engineer, complete with account of materials issued by the Department and dismantled materials.	i. The final bill shall be submitted by the contractor to the Engineer-in-Charge in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final completion certificate furnished by the Engineer-in-Charge whichever is earlier. At the time of submission of the final bill, receipt will be given by the O/o Engineer-in-Charge. ii. In case of correction / rejection / short documents, it will be mandatory for Engineer-in-Charge to give recorded reasons for correction / rejection / submission of additional documents within fifteen days after submission of final measurement and/or final bill by the contractor. iii. Final bill will be accepted with all pre-requisite documents such as sanctioned copies of extra items and deviation in quantities, escalation statements, recovery statement, theoretical statement, completion certificate, final extension of time case, mandatory tests statement, dismantled materials account and other documents as mentioned in clause-7 A etc. iv. An undertaking along the final bill will be submitted by the contractor that "I / we hereby under take that all the measurements/claims payable under this contract have been included in the final bill and will not submit any other bill/claims in future under this agreement thereafter". v. No further claims shall be entertained from the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer in

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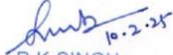
If the final bill is submitted by the contractor within the period specified above and delay in payment of final bills is made by the department after prescribed time limit, a simple interest @ 5 % (five percent) per annum shall be paid to the contractor from the date of expiry of prescribed time limit,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

This issues with the approval of DG, CPWD.

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

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

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


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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).

23/01/17

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.

[Signature]
Executive Engineer (C)

NOTIFICATION AND CIRCULERS

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

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

OFFICE MEMORANDUM

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

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

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

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

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

This issues with the approval of Director General, CPWD.

Encl. As above.


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

To **(through CPWD website)**

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

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

(A) NGT order dated 04.12.2014:

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

(B) NGT order dated 10.04.2015:

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

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

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

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

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

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

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

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

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

NOTIFICATION

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

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 with a 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 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, nagar palika, nagar nigam, nagar panchayat, municipal council including notified area committee and not limited to or any other local authority constituted under the relevant statutes such as gram panchayat,

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

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.

(3) 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 any engageable 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 center so made by the local body or handover it to the engageable 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.

(4) 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 engageable agencies for removal of construction and demolition waste and pay the relevant charges as notified by the local authority.

(5) 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 database and update once in a year
- (9) shall devise 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.

(6) 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**.
- (4) Application of materials made from construction and demolition waste in operation of sanitary landfill shall be as per the criteria given in **Schedule II**.

(7) 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 **51**anage **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.

(8) 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.

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

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

(10) 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.

(11) 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.

(12) Timeframe for implementation of the provisions of these rules –The timeline for implementation of these rules shall be as specified in **Schedule III**:

(13) 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 leachate 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 manageable 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	02 Months	02 Months	02 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	24 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 authorization

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
Format for Issue of Authorization 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**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

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

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)]

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

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 [Rule 14]

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 :

Place:

Designation:

Authorized Signatory

WORKERS IDENTITY CARD

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..... 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:



भारत सरकार
केन्द्रीय लोक निर्माण विभाग
एल मंडल, कमरा नं०सी-422, इन्द्र प्रस्थ भवन
नई दिल्ली — 110 002
दूरभाष : 23379561, फैक्स : 23378920



No:

Dt

FORM – V
See Rule 21(2)

**FORM OF CERTIFICATE BY PRINCIPAL
EMPLOYER**

Certificate that I have engaged the applicant _____ as contractor in my establishment. I undertake to be bound by all the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules, 1971, in so far as the provisions are applicable to me in respect of the employment of contract labour by the applicant in my establishment.

Name of Work :- Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)

Signature of Principal Employer

Registration No. _____

Name and Address of

Establishment

Place:- New Delhi

Date.....

GENERAL CONDITIONS AND SALIENT POINTS

1. The contractor shall make his own arrangements for electricity required for the execution of the work and nothing extra shall be paid for the same. However, for electrical connection, Engineer-In-Charge shall recommend the application to concerned local authorities. He shall also make his own arrangement for obtaining telephone connections for his own use. Necessary fees and i/c consumption charges shall be paid by the contractor directly to the department concerned. In case the authorities fail to sanction the electric connection or delay the sanction of electric connection, the contractor shall make his own arrangements by providing diesel generators of adequate capacity at his own cost.
2. In general water shall be provided by the department. However, if the water could not be supplied by the department, the agency has to arrange the water at his own cost and nothing extra shall be paid by the Department for arrangement of water or on its treatment to meet the requirements.
3. All the materials will be arranged by the contractor himself. If any material is issued by the department the contractor shall bear all incidental charges for cartage, storage and safe custody of such material.
4. All material shall only be brought at site as per programme finalized with the Engineer-in- Charge. Any pre-delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.
5. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried out in accordance with the "CPWD Specifications 2019 Vol. I & II with up to date correction slips (up to date of receipt of tender) and instructions of Engineer- In-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed.
6. A reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at site.
7. The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs involved in the execution of the item.
8. The contractor(s) shall quote all-inclusive rates against the items in the schedule of quantities and nothing extra shall be payable for any of the conditions and specifications mentioned in the tender documents unless specifically specified otherwise.
9. Unless otherwise specified in the schedule of quantities the rates for all items shall be considered as inclusive of pumping / bailing out water, if necessary for which no extra payment shall be made.
10. The rate for all items, in which the use of cement is involved is inclusive of charges for curing.
11. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
12. Any legal or financial implications resulting out of disposal of earth shall be the sole responsibility of the contractor. Nothing extra shall be paid on this account.
13. All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.
14. The contractor shall indemnify the Govt. against any claims or obligations arising out of any damage to adjacent property, structure or to building work done by him.

15. Licenses: -

- (i) The contractor shall pay to the municipal, police or other authorities all the fees etc. that may be required by law, obtain requisite licenses for temporary constructions, enclosures and pay all fees taxes and charges which shall be leviable on account of his obligations in executions of the contract. No extra claim will be entertained on this account.
 - (ii) All licensing fees, royalty charges for property rights etc. shall be paid by the contractor direct to the authorities concerned. No extra claim will be entertained on this account.
16. In case services are encountered during excavation / earthwork, and such services are required to be shifted, the contractor is bound to carry out the shifting operation as per guidance / instructions and with the approval of the Engineer-In-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.
 17. The building, water supply, internal sanitary installations and drainage work etc. shall be carried out in the manner complying in all respects with the requirements of relevant byelaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer in charge and nothing extra shall be paid on this account.
 18. Existing drains, cables, pipes, overhead wires, sewer lines, water lines and similar services encountered in the course of execution of work shall be protected against the damages by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
 19. Contractor shall take all precautionary measures to avoid any damage to adjoining property/ building. All necessary arrangements shall be made in his own cost by the Contractor.
 20. The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures including sanitary and water supply fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the department. No extra payment shall be made on this account.
 21. The order of preference in case of any discrepancy as indicated under “Conditions of Contract” given in the General Conditions of contract for Central P.W.D. works 2023 (Maintenance Works) Form may be read as the following:

- (i) Description of schedule of quantities.
- (ii) Additional Specification and special condition, if any.
- (iii) Contract clauses of General conditions of contract for Central P.W.D. works maintenance 2023 Form.
- (iv) CPWD Specifications
- (v) Manufacturers Specifications
- (vi) Indian Standard Specifications/BIS.
- (vii) Architectural drawings.
- (viii) Sound engineering practice.

Any reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions/amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work at site.

22. The contractor shall take all precautions to avoid accidents by exhibiting caution boards day and night. The contractor shall be responsible for all damages and accident due to negligence on his part.
23. No foreign exchange shall be made available by the department for the purchase of equipments, plants, machinery, material of any kind or other items required to be carried out in execution of work.

24. If the work is carried out in more than one shift or during night, no claim on this account shall be entertained.
25. The contractor shall be bound to follow the instruction and restrictions imposed by the Administration/Police authorities on the working and/or movement of labour, materials etc. and nothing extra shall be payable on this account or due to less/restricted working hours or suspension of work or any detours in movement of vehicles due to stated instructions and restrictions.
26. The contractor shall also be required to follow the rules & restrictions imposed on working /movement/stacking of materials by the local competent authority at all times. Nothing extra shall be payable on this account.
27. Any damage caused by the contractor to the existing building/installations/roads/boundary walls shall be made good by him (the contractor) at his own cost.
28. Site is located in sensitive and high security & VVIP area, where movement and routes are restricted. The contractor shall have to apply for passes well in advance for carrying out the work. No claim whatsoever shall be entertained for any loss on this account. Some restrictions may be imposed by the security staff/ Delhi police on the working and for movement of labour, materials etc.
 - (i) The movement of trucks and vehicles shall be regulated in accordance with rules and regulations as approved by competent authority.
 - (ii) The contractor shall be bound to follow all such restrictions / instructions and nothing extra shall be payable on this account.
 - (iii) No claim whatsoever will be entertained by the department on account of any, restrictions (including temporary suspension of work) imposed by the security agencies in execution of work.
 - (iv) In respect of maintenance/repair or renovation works etc. where the labour have an easy access to the individual houses, the contractor shall issue identity cards to the labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour. AE/JE will display a list of contractors working in the colony/Blocks on the notice board in the colony and also at the service centre, to apprise the residents about the same.
29. Before start of work, the contractor keeping in view the space available is limited, shall furnish a construction yard layout, specifying area for construction, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, conveyers belt, etc. and seek formal approval of the Engineer-in-charge. No space will be available at site of work for the fabrication of steel / aluminium work grating, railing, etc. The contractor should make his own arrangement for the same in his workshop. Nothing shall be paid for the carriage of such manufactured items from workshop to site of work. The contractor shall not stack building material / malba on NDMC land or road or on the land owned by any other authority and he shall face penal action as per the rules, regulation and bye-laws of the said body or authority. The Engineer-in-charge shall be at liberty to recover the amount due but not paid to the concerned authorities on account of the above from any amount due to the contractor including amount of the security deposit or retention money in respect of this contractor or any other contract.
30. No labour huts shall be kept at the site of work. Tenderers shall quote their rates accordingly nothing extra shall be paid on this account: -

- (a) The contractor shall provide CGI sheet barricading as required according to the rules of NDMC or any other relevant authority for the work. The same shall be maintained by the contractor till the work is completed. After completion of work, the same shall be removed and deposited with the department as per the direction of Engineer-in-charge.
- (b) The contractor shall take all necessary measures for the safety of traffic during construction and provide, erect and maintain such barricades, including signs, marking, flags lights and flagman as necessary, at either end of the excavation / embankment and at such intermediate points, as directed by the Engineer-in-charge for the proper identification of construction area. He shall be responsible for all damages and accidents caused due to negligence on his part. Nothing extra shall be paid on this account.

31. Integrated Programme chart:-

The contractor shall prepare an integrated programme chart for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the engineer in charge within two weeks of the awards of the contract.

The programme chart should include the following:

- a) Descriptive note explaining sequence of various activities.
- b) Network (PERT/CPM/Bar Chart)
- c) Programme of procurement of materials by the contractor.
- d) Programme of procurement of machinery/ equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
- e) Time schedule of the requirement of materials to be supplied by the department.

If at any time it appears to the Engineer in Charge that the actual progress of the work does not conform to the approved programme referred above, the contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work within the stipulated time for completion.

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

In order to adhere to the program, the work shall be carried out in more than one shift and no claim on this account shall be entertained. Contractor should give advance notice in writing to Engineer-in-charge for doing any work in odd hour. Contractor shall arrange suitable to and for transportation of CPWD site staff to their residences, incase the site staff is required to stay beyond office hours.

The agency shall comply the order and guidelines of NGT & MoEF.

32. PERFORMANCE GUARANTEE:

- i) The contractor shall submit an irrevocable Performance guarantee of:-
 - (a) **5% (Five) percent of the tendered value or Estimated Cost Put to Tender (ECPT) (whichever is higher).**
 - (b) **Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and/ or without prejudice to any other provisions**

in the contract) within period specified in schedule 'F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge upto a maximum period of as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Bank Guarantee to the satisfaction of the Engineer-in-Charge. **This guarantee shall be in the form as prescribed in GCC maintenance work 2023 and upto date amendments.**

This guarantee shall be in the form cash (in case guarantee amount is less than **Rs. 10,000/-**) or in the form of 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 in the form of Government securities or fixed deposit receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

(ii) The Performance Guarantee shall **for a minimum period of 6 (Six) months beyond the date of completion of all contractual obligations as per GCC**. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After completing of all contractual obligations as per GCC for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.

(iii) The Engineer-in-Charge shall not make a claim under the performance guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/ or without prejudice to any other provisions in the contract agreement) in the event of :-

- Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance Guarantee.
- Failure by the contractor to pay President of India any amount due, either as agreed by the contractor or determined under any of the clauses/ conditions of the agreement, within 04 Months of the service of notice to this effect by Engineer-in-Charge.

In the event of the contract being determined or rescinded under provision of any of the clause/ condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

33. Minimum Quality Assurance Plan

Maintenance of Register of Tests

- (i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge in the same manner as being issued to CPWD field staff.
- (ii) All Samples of materials including Cement Concrete Cubes shall be taken jointly with contractor by JE and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by AE jointly with Contractor. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
- (iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by JE and 50% of tests shall be witnessed by AE-in-charge. At least 10% of the tests are to be witnessed by the Executive Engineer.
- (iv) All the entries in the registers will be made by the designated Engineer Staff of the contractor and same should be regularly reviewed by JE/AE/EE. The registers shall be produced before senior officers inspecting the work.

- (v) Contractor shall be responsible for safe custody of all the test registers.

Submission of copy of all test registers, Material at site Register and hindrance register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked by Drawing Branch in Division Office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

Maintenance of Material at Site (MAS) Register-

- (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge.
 - (ii) Each of the entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE.
- 34.** Each of the entry shall be checked by JE at least twice a week and at least once a week by AE. If there is no JE then MAS registers will be checked by AE at least twice a week.
- 35.** Cement Register shall be reviewed by AE at least once in a month.

SPECIAL CONDITIONS FOR REPAIR/UPGRADATION AND MAINTENANCE WORK

1. All malba / rubbish / silt / waste / garbage / etc. generated due to any operation from houses and other open spaces whatsoever shall be collected on daily basis by the Contractor / Agency to the specified common disposal point and nothing extra shall be paid on this account. After the accumulation of full truck load of the said malba (approximate 4.5 cubic metre), the same shall be disposed of by the Contractor / Agency to the authorized municipal dhalao / dumping ground and contractor will submit the slip of dumping ground. **In case of non-removal / disposal in the specified period, a sum of Rs. 2000/- (Two Thousand) per day shall be recovered from the Contractor / Agency. The payment under the relevant item shall only be made after furnishing of such receipt of dumping to the dumping ground by the agency.**
2. The Engineer(s) who are employed by the contractor under clause-32 (ii) of the agreement shall be present at the site from 9:00 AM to 3:30 PM on all working days. Engineer(s) shall visit the Enquire Office daily in the morning and when directed to take the instructions for attending the complaints / work from the JE / AE, a register will be maintained at the Enquiry Office for this purpose. Engineer(s) shall carry mobile telephone(s) with a facility of “email” and “WhatsApp” to enable the Engineer-in-Charge or his authorized representative to have easy and quick communication. Nothing extra shall be paid to the contractor on this account and his quoted rates for various items under this contract will be inclusive of this obligation. The contractor shall take immediate action to attend to any complaint assigned to him in following time frame;-
 - a) Any complaint assigned to the agency is to be attended within shortest reasonable time, which shall not be more than 48 Hours in any case.
 - b) In case of failure to meet these deadlines a recovery of Rs. 500/- (Rs. Five Hundred only) per complaint per day will be made from his bills/Security Deposit for each default to attend the complaints assigned to him. The decision of Engineer-in-Charge regarding correctness of complaint shall be final and binding.
 - c) The agency cannot ask for the availability of full site at a glance. It will be given to him in phased manner or as and when required at site. The site / complaints shall be given to the agency in writing or telephonically or verbally. Nothing extra shall be paid for idle sitting of workers (if any) due to non availability of complaints/ works.
3. All doors, windows, floors, furniture, Electrical and all other fitting shall be cleaned from all splashes (old or new), dust, dirt and mortars etc. The rate for the white washing/ colour washing/ distempering/ painting etc. include the cost of removal of splashes and paint marks. In the event of failure on the part of contractor to remove the splashes and the paint mark, recovery at the rate of Rs. 2500/- per flat shall be made.
4. The agency is bound to execute the work anywhere within the jurisdiction of L-Division. Nothing extra shall be payable on this account.
5. For prompt monitoring, Agency should ensure that a mobile No. should be given to the deptt. So that all necessary instructions/directions can be given telephonically. The mobile should be on active mode for 24 hours. Nothing extra shall be payable on this account.
6. While carrying out Upgradation work or repair work or any maintenance work in the quarter/flats where the existing tile/flooring required to be retained should be covered with tarpaulin/paper boards or other material so as to protect them, for which nothing extra shall be paid to the agency. In case of failure to protect the floor a recovery @ Rs. 11000/- for each instance shall be made from the agency.

7. Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be inclusive of scaffolding and shall apply to all lifts & all heights, floors including terrace, leads and depths and nothing extra shall be payable on this account.
8. In Case of extension of agreement due to delay/reduction in scope of work; 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.
9. 1% (One percent) water charges shall be recovered from the gross amount of the work done, if same is supplied by the department.
10. All materials obtained from Govt. stores or otherwise shall be got checked by the Engineer-in- charge or his authorized representative of the work on receipt of the same at site of work before use.
11. The Contractor has to make his own arrangement for all T & P like ladders, gohree, sutli, empty containers, brushes, and paper, kuchies etc. required for work and nothing extra shall be paid for the same.
12. The contractor shall have to get approved the brands/shades of Acrylic Distemper, Synthetic Enamel Paint, Plastic Emulsion Paint etc. from the Engineer-in-charge before execution of same.
13. Materials shall be brought to the site of work in original containers with the Manufacturers seal intact.
14. The materials required for day's work shall be issued to the contractor or his authorized representative daily by the Junior Engineer-in-charge of the work. Any balance of the material left at end of the days of work and the empty containers shall be returned to the Junior Engineer. The day to day issue account of the materials shall be maintained by the Junior Engineer-in- Charge and shall be signed daily by the contractor or his authorized agent in token of receipt of the materials failing which no payment of bill shall be made to the contractor. The empty containers shall not be removed from the site of work without written orders of the Engineer-in- charge.
15. Before the commencement of work, the contractor shall prepare one sample as instructed by the Engineer-in-charge for approval of the Engineer-in-charge. After the sample is approved by the Engineer-in-Charge, the contractor shall be allowed to commence the work and the quality of work shall confirm to the approved sample.
16. Before the commencement of work, the contractor shall draw up a programme in consultation with the Engineer-in-charge for the execution of work so as to inform the occupants of the office flat/quarter at least one week in advance regarding the execution of the work.
17. In case the office rooms/quarter/flats are not made available to the contractor according to the programme, the contractor shall not be entitled for any claim for idle labour or any other claim on any account what-so-ever.
 18. Defective work/sub-standard work or work not done according to the specifications of the contract shall be liable for summary rejection & shall not be measured and paid for. This shall be without prejudice to taking any other action against the contractor in accordance with the terms & conditions of contract.
19. The contractor shall depute his representative daily to the site of work. The name and signature of his representative attested by the contractor shall be intimated to the Engineer-in-charge.

20. The entire work shall be carried out in close co-operation and Co-ordination with all other agencies working in the building. The Contractor (s) shall not be entitled to any compensation on account of temporary stoppage of work due to other construction.
21. No payment will be made to the contractor for damage caused by rains during the execution of the works and no claim on this account will be entertained.
22. It will be the responsibility of the contractor for damage caused by rains during the execution of the works and no claim on this account will be entertained.
23. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him prior to Painting or other finishing work.
24. Deviation in quantities shall be done only with prior written permission of the Engineer-in- charge. Deviation in quantities done on the order of other than the Engineer-in-charge shall not be measure and paid for.
25. The contractor should write their correct postal address on the application for tender papers. In case it is found that the address given in their application is not correct and as a consequence of the same if any registered letter sent through postal authorities is received back by the department undelivered to the contractor, the contractor shall be fully responsible for all the consequence and by such letter sent through registered post shall be deemed to have been delivered to him.
26. Full quantity of material or quantity approved by Engineer-in- Charge. Such as paint plastic emulsion paint, Acrylic distemper etc. shall be deposited in sealed contained in advance and get it checked by Engineer-in-Charge before use.
27. The Contractor will be required to shift the existing furnitures such as Sofa, tables, chairs, Carpets, glasses and other items for execution of work, whenever required, as per direction of Engineer-in-Charge and make necessary arrangements to protect the furniture, carpets, floors etc. from any damage during the execution of work. Also the said shifted items will be required to be placed again by the Contractor as per direction of Engineer-in-Charge. Nothing extra will be paid in this regard. Any damage if done, shall be made good by the Contractor at his owncost and nothing shall be paid extra in this regard.
28. The work of additions and alterations covered under the contract shall be carried out in the running colonies. The site may be made available to the Contractor for execution of work in piece meal/ in parts, and the Contractor shall execute the work in the portion made available to him and the Contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.
29. No labour huts shall be allowed inside the campus of above said work. The Contractor shall arrange for the stay of labours outside the campus including transport and nothing extra shall be payable on this account.
30. Any damage to the building, furniture, fittings of any other articles etc. done by the contractor or his workmen during the execution of work, shall be made good by the contractor, failing which the same shall be made good by the Engineer-in-charge or his authorized representative at the risk and cost of the contractor.
31. All doors, windows, floors, furniture, electrical fittings and other articles shall be protected from dust, splashes & damaged sufficient covering for the day's work shall be shown to the representative of the

Engineer-in-charge before the contractor is allowed to proceed with the work. Splashes & droppings from white washing, colour washing, distempering painting etc. on walls, floors, doors and window, down take pipes, furniture shall be removed by the contractor at his own cost and the surface cleaned simultaneously after the completion of the day's work is done, without waiting for the actual completion of the other items of work of the contract. In case the contractor fails to comply with this requirement, the Engineer-in-charge or his authorized representative shall be 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 his 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's cost.

- 32. CPWD safety norms GCC 2023 (maintenance work) from page no. 59 to 63 should be strictly adhered. All safety material should be brought to site and placed properly before start of the work.**
- 33. Dismantling and repair an outside wall should be done by taking all precautionary measures to avoid any damage.**
- 34. The contractor will cover the quarter from out sides with wooven PVC cloth has temporary protective screen during the work.**
- 35. The contractor will ensure that there is minimum noise pollution during work.**

**Executive Engineer,
L-Division, CPWD,
New Delhi - 110 002**

PARTICULAR SPECIFICATIONS & CONDITIONS FOR CIVIL WORKS

1. General.

Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all lifts & all heights, floors including terrace, leads and depths and nothing extra shall be payable on this account. **Centering, shuttering, however if required to be done for RCC beams, RCC floor slabs and landings only for centering heights greater than 3.5m, shall be measured and paid for separately.**

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

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

Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been included in the items and nothing extra shall be payable (or) extra cement considered in consumption on this account. For RCC work, only factory made round type cover block shall be used. For Brickwork unless otherwise specified FPS bricks shall be used in all items of work. The classification of bricks brought by the contractor shall conform to the CPWD Specifications.

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

Sampling and testing

All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge, which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples as per suggestive list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings carrying ISI Mark shall be used with the approval of Engineer-In-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as stated above, well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the item/material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and / or the work done.

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

For certain items, if frequency of tests is not mentioned in the CPWD Specifications then relevant IS code shall be followed and tests shall be carried out @ 25% of the frequency specified therein. Wherever NIT/CPWD specifications/relevant BIS codes do not specify the frequency of tests, the same shall be carried out as per direction of the Engineer in charge.

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

All materials which are specified to be tested by the manufacturer's work shall satisfactorily pass the tests in presence of the authorized representative of Engineer in charge before being used in this work. In case all requisite testing facilities are not available at the manufacturer's premises, such testing shall be conducted at laboratory approved by the Engineer in charge. The charges for such testing shall be borne by the contractor.

The Engineer-in-Charge will be at liberty to take respective sample(s) of each item of Schedule of Quantity in any approved laboratory as decided by him. The sample for testing will be provided by the contractor. All expenditure required to be incurred for taking sample, conveyance, packing and testing charges etc. will be borne by the contractor himself. In case any sample particular lot fails in testing, the contractor will be bound to replace the entire lot with fresh material of prescribed specification and the rejected lot will be returned to the contractor only after fresh lot is supplied.

- (i) Rejected materials will have to be removed by the contractor at his own cost immediately of the instruction of doing so.
- (ii) In case of any dispute regarding rejection of quality of materials, the decision of the Engineer-in-Charge will be final and binding upon the contractor.

The contractor has to establish field laboratory and skilled manpower for the following tests at his own cost.

- Particle size and shape
- Ten percent fine value
- Aggregate impact test
- Surface moisture test
- Slump test

- Flakiness and elongation index tests.
- Compressive strength (concrete or bricks) test
- Rebound hammer test
- Bulking of sand
- Silt content of sand
- Thermometer with brass protected end (0-1000 C)

The contractor should remove from site, the net surplus earth only. If he disposes earth more than the surplus quantity and earth is required later to be brought from outside, the contractor shall be liable to supply at site the such required quantity of earth of required quality at his own cost and nothing shall be paid on the account. The quantity of the surplus earth to be disposed off from the site shall be worked out on the basis of levels to be taken before and after the excavation. The decision of the Engineer-in-Charge regarding the quantity of net surplus earth shall be final & binding. Nothing extra shall be payable to the contractor for stacking the excavated earth.

Equipment like excavators/Transit mixer etc. shall be allowed to be moved away from the sitewhen, in written opinion of Engineer-in-Charge, the same are no longer required at site of work.

All the equipment shall be brought, installed and commissioned at site of work at least one week before their actual planned use at site.

All the item of works related to foundation and plinth includes the work of basements also.

Deviation in quantities shall be done only with prior written permission of the Engineer in charge. Deviation in quantities done on the order of other than the Engineer in charge shall not be measured and paid for.

To avoid disputes later on, contractor is advised to get the measurement recorded within a week's time and shall submit his bills as per relevant clause (7) of the contract. Any dispute regarding measurement including work done shall be judged within a week's time failing which measurement, certified and recorded shall be entertained.

The work of addition and alterations covered under this contract shall be carried out in piece meal/in parts, and the contractor shall execute the work in the area made available to him and the contractor shall not claim anything extra over agreement rates, due to execution of works in piece meal manner.

2. CONDITIONS FOR CEMENT:

The contractor shall procure 43 grade (conforming to IS 8112) Ordinary Portland cement/PPCas required in the work, from reputed manufacturers of cement, having a production capacity of one million tons per annum or more, such as ACC, JK Cement, Ultratech, Shree Cement, etc., i.e. agencies approved by Ministry of Industry, Govt. of India, and holding license to use ISI certification mark for their product. The tenderers may also submit a list of names of cement manufactures which they propose to use in the work. The Engineer-in-charge reserves right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the Engineer-in-charge does not accept the list of cement manufacturers, given by the tenderer, fully or partially. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking except for concrete from RMC producer where bulk cement can be procured. 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 test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer in Charge to do

so. Only the cement with satisfactory test results shall be allowed to be used in the work.

The quantity of cement shall be brought at site as decided by the Engineer in Charge.

Double lock provision shall be made to the door of the cement store. The key of one lock shall remain with the Engineer in Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown.

The contractor shall supply free of charge the cement required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The testing charges of approved laboratory shall be borne by the contractor.

The day to day actual issue/receipt and consumption of cement on work shall be regulated and proper accounts maintained in cement register which shall be issued by Engineer-in-charge.

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

In the event of it being discovered that after the completion of the work the quantity of cement used is less than the quantity ascertained after allowing variation on the minus side as per clause 38, the cost of quantity of cement not so used shall be recovered from the contractor, at the rate of Rs. 5500/- (Rupees Five thousand Five hundred only) per metric tone. This recovery will be in addition to any other recovery otherwise required to be done by the Engineer-in-Charge.

3. STEEL REINFORCEMENT BARS:

The contractor shall procure steel reinforcement TMT bars of grade Fe-500-D confirming to IS code (latest edition) from main producers as approved by the Ministry of Steel and secondary producers of re-rollers having valid BIS license for TMT bars conforming to relevant BIS code, procurement shall be made from main producers and secondary producers having valid BIS license. The name of secondary producer however will have to be got approved by engineer-in-charge before procurement. The contractor shall have to obtain and furnish test certificates to the Engineer in Charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer in Charge as per the provisions in this regard in relevant BIS Codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS Codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer in Charge to do so.

The quantity of steel shall be brought at site as decided by the Engineer in Charge.

The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking. The cement slurry to be applied to prevent corrosion. The nothing extra shall payable on this account.

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 section at random at frequency not less than that specified below:-

Size of bar	For consignment below 100 tonnes	For consignment above 100 tonnes
Under 10 mm dia bars	One sample for each 25 tonnes or part there of	One sample for each 40 tonnes or part there of
10 mm to 16 mm dia bars	One sample for each 35 tonnes or part there of	One sample for each 40 tonnes or part there of
Over 16 mm dia bars	One sample for each 45 tonnes or part there of	One sample for each 50 tonnes or part there of

The contractor shall supply free of charge the steel reinforcing bars required for testing and shall also bear the packing, sealing, transportation & other incidental charges. The testing charges of approved laboratory shall be borne by the contractor.

The actual issue and consumption of steel on work shall be regulated and proper accounts maintained. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein.

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

The contractor shall take all precautions to avoid accidents by exhibiting caution boards day and night. The contractor shall be responsible for all damages and accident due to negligence on his part.

The contractor shall arrange steel reinforcement bars as cut and bend bars from approved workshop/suppliers. In case of non availability of the same on justified reasons, the same can be manufactured at site, however no extra payment whatsoever shall be made for same.

**Special Condition for Steel
(Reference para 27.2)**

Sl. No.	Item	Checkpoint	Remarks
1	Steel Producer having manufacturing facilities at Plant	(a) Factory address and Registration no.	
		(b) Certificate of manufacturing process	
		(c) Refining process of steel producer	
		C-1 BF-BOF Route	
		C-2 Corex – BOF route	
		C-3 DRI – EAF route	
		With documentary evidence a either for BOF or EAF	
		(d) Steel plant having infrastructure for producing sponge iron, billete and TMT Rebars	
		(e) Production and Quality Flow Chart	
		(f) Plant evaluation an process verification	
		(g) List of Plant & Machinery	
2	Established	Document Verification for:	
		(a) Govt./PSE Approvals	
		(b) Supply orders of TMT Re-bars in Govt. Projects (Minimum 5 years)	
		(c) Verification of direct supply orders to any State/Central Govt. Department	
		(d) User Certificate issued by any Govt. Department directly	
3	Indigenous	Documentary evidence like;	
		(a) Certificate of incorporation	
		(b) Memorandum of Articles of Association	
		(c) Credit rating of the company from CARE/CRISIL/ICRA should not be C/D grade (minimum last 3 years)	
4	Reliable	(a) Test results from Govt/NABL accredited laboratories	
		(b) In-house testing facility for physical/chemical tests (NABL accredited)	
		(d) Calibration certificates	
		(e) List of Lab Equipments	
		e-1 Spectrometer	
		e-2 Computerized UTM	
5	Use of iron-Ore/Processes iron are as basic	Verification of iron-Ore/Process iron ore invoices	

	raw materials		
6	In-house rolling facility	Plant verification of identity in-house rolling facilities production of liquid steel & crude steel	
7	Licenses & Certificates	(a) ISO 9001: 2008 Certification	
		(b) ISO 14001:2004 Certification	
		(c) OHSAS 18001:2007 Certification	
		(d) IS 1786:2008 (TMT Re-bars)	
		(e) IS 2830:1992 (Billets)	
8	Product Range	TMT Re-bars FE 415/415D/500/500D/500/550D	
		CRS (Corrosion Resistant) & EQR (Earthquake Resistant) TMT Re-bars Size 8 to 36mm dia	

RCC WORK :

1. The cover blocks, wherever used, for proper cover & to avoid displacement of reinforcement bars shall be manufactured in factory nothing extra shall be paid for providing such cover blocks in the work.
2. Nothing extra shall be paid for the centering & shuttering circular in shape wherever the form work is having a mean radius exceeding 6m in plan.

STEEL WORK :

1. The standard sectional weights referred in CPWD Specifications 2019 Vol. I & II (with upto date correction slips) shall be considered for conversion of length of various sizes of Mild Steel/CTD/TMT bars into weight.

However, the average sectional weight of each diameter shall be arrived on the basis of samples of each lot from steel received at site. In case the actual weight of steel is less than the standard coefficient given in CPWD Specification but is within the tolerance limit of acceptance, the same (actual weight) shall be taken into account for working out the variations between the actual and standard coefficient & contractor shall be paid for the actual weight of steel in this case.

However, nothing extra shall be payable in case the actual weight of steel is more than the standard coefficient mentioned above in para 22(i).

The rate of Tee/Angle 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.
- d) All welded steel work shall be tested for quality of weld as laid down in IS 822 before actual erection.
- e) Steel windows/ventilators to be provided in the work shall be from ISI approved manufacturers or from the firms approved by the Chief Engineer, CPWD.

FLOORING :

The Granite marble, Kota, Chittor, Jaisalmer, white sand stone and black Cuddapah or any other stones mentioned in the tender document and as directed by Engineer in Charge shall be executed as per patterns and cuttings or patterns of various combinations of marbles/granite/stones shown in the architectural drawings and or as directed by Engineer in Charge. Nothing extra shall be payable on this account.

Samples of flooring marbles/stones/granites shall be deposited well in advance with the Engineer in Charge for approval. Approved samples should be kept at site with the Engineer in Charge and the same shall not be removed except with the written permission of Engineer in Charge. No payment whatsoever shall be made for these samples.

The granite/stone/marble mentioned herein shall conform to the requirements given in CPWD specifications 2019, Volume I & II. (with upto date correction slips)

Marble / Granite flooring :

These will be read in addition to the specifications of marble flooring given in CPWD specifications 2019, Volume I & II. (with upto date correction slips)

- a) The sample shall not be of size less than 600 mm x 600 mm or as decided by the Engineer-in-charge.
- b) The samples shall be fully supported by the details of the quarry and location.
- c) The contractor shall use necessary pigments to match the colour of the marble with pointing/jointing. The pigments shall be got approved, from the Engineer in Charge prior to commencement of flooring item.
- d) Samples for sand blasted granite shall be produced separately. Sand blasting shall be carried out after the selection of the basic granite sample.
- e) The rate of items of flooring is inclusive of providing sunken flooring in bathrooms, kitchen etc. and nothing extra on this account is admissible. The Granite/marble stone flooring in treads and risers of stair case is to be laid in single piece. Nothing extra shall be paid on these accounts.
- f) The measurement shall be made for finished work of flooring.

WATER SUPPLY AND SANITARY INSTALLATIONS :

The contractor shall submit completion plans for water supply, internal sanitary installations and building drainage work on drawings prepared preferably through computers (1 original copy plus 3 Photostat) on suitable scales to show the general arrangement and desired details. In case the contractor fails to submit the completion plans as aforesaid, security deposit shall not be released.

General requirements

- (a) Sanitary fixtures shall be of the best quality and shall be of approved make and manufacture (wherever specified) as defined in the item of work or defined anywhere in this document otherwise shall be as mentioned in the CPWD specifications failing which the same shall be of ISI mark duly approved by the Engineer-in-Charge.

- (b) All fixtures and fittings shall be provided with all such accessories as are required to complete the item in working condition whether specifically mentioned or not in the Schedule of Quantities, specifications, elsewhere in this tender document & drawings. The quoted rates shall be deemed to be all inclusive for a complete item fit for use including all materials, labour, T&P, specials, equipment's, testing & commissioning etc. Accessories shall include proper fixing arrangement, brackets, nuts, bolts, screws and required connection pieces. All the accessories shall be of the quality and make as per manufacturer's specifications except otherwise specified in specifications, schedule of quantities and elsewhere in this tender document. Nothing extra whatsoever shall be payable on aforesaid account.
- (c) Fixing screws shall be half round head chromium plated brass screws with C.P. washers where necessary or otherwise as provided in the item.
- (d) Porcelain sanitary ware shall be glazed vitreous china of first quality free from warps, cracks and glazing defects and shall conform to I.S. 2556-1967.
- (e) All fittings and fixtures shall be fixed in a neat workmanlike manner true to required level and heights and in accordance with the manufacturer's recommendations and directions of Engineer- in-charge. Care shall be taken to fix all inlet and outlet pipes at correct positions.
- (f) All holes or chases shall be properly made good by C.C 1:2:4 (in brick wall) or the concrete mix of RCC element as directed by the Engineer-in-Charge. Nothing extra shall be payable on this account.
- (g) Wherever M.S. clamps are required to be anchored directly to brick walls, concrete slabs, beams, walls or columns, nothing extra shall be payable for making good the same.
- (h) The soil waste and vent pipes & its related fitting shall conform to IS 3989-84 with latest amendments.
- (i) Nothing extra for providing and fixing CP Brass caps/extension pieces wherever required for CP Brass fittings shall be paid beyond the rates payable for corresponding CP Brass fittings.

WATER PROOFING:

The work in general shall be executed as per CPWD specifications:-

- (a) The water proofing compound used in integral water proofing treatment shall satisfy all the requirements indicated in IS:2645 and shall be got tested before its use.
- (b) Total quantity of the water proofing compound required shall be arranged only after obtaining the prior approval of the Engineer in Charge in writing. Materials shall be kept under double lock and key and proper account of water proofing compound used in the work shall be maintained. It shall be ensured that the consumption of the compound is as per specified requirements.
- (c) The finished surface after water proofing treatment for floor in sunken portion shall have minimum slope of 1 in 48 unless otherwise decided by the Engineer in Charge.
- (d) Before commencement of treatment on floor surface, it shall be ensured that the outlet drain pipes/spouts have been fixed and the spout openings have been eased and rounded off properly for easy flow of water
- (e) Contractor shall associate himself with anyone of the specialist firms mentioned in relevant para of specifications for the work relating to any kind of Water Proofing Treatment. In case the contractor intends to get the water proofing work executed from an agency other than as specified in relevant para of the specifications, he shall apply to the Engineer-in-Charge in writing along with the credentials and relevant details including name of owner/company, its location, capacity technical

establishment, past experience etc. Engineer-in-Charge shall give approval in writing and the work shall not be started without said written approval of the Engineer-in-Charge. The entire responsibility for the quality of this treatment and its efficiency shall however, rest with the main contractor only.

- (f) The contractor shall ensure that the basement of the building shall be absolutely water tight and seepage/leak free. In case any seepage/leakage etc. is noticed the contractor shall make it water tight & seepage/leak proof at his own cost.

PAINTING WORK:

The contractor shall use primer and putty of water proof grade of approved make at all internal/external surfaces. The painting work shall be executed as per CPWD specifications & Manufacturer's provisions.

Primer shall be applied first on prepared wall surface before application of putty. After finishing of putty work, primer shall be applied before painting work. All such provisions and rates are already incorporated in the Schedule of quantities and nothing extra shall be paid.

(Annexure)
Field Testing Instruments

1. Steel tapes – 3m
2. Vernier calipers
3. Micrometer screw 25mm gauge
4. A good quality plumb bob
5. Spirit level, minimum 30cms long with 3 bubbles for horizontal vertical
6. Wire gauge (circular type) disc
7. Foot rule
8. Long nylon thread
9. Magnifying glass
10. Screw driver 30cms long
11. Ball pin hammer, 100 gms
12. Plastic bags for taking samples
13. Balances

(i) 7 kg. to 10 kg. capacity, semi self indicating type –accuracy 10gm.

(ii) 500 gm. Capacity, semi-self indicating type – accuracy 1 gm.

(iii) Pan balance – 5 Kg. capacity – accuracy 10 gms.

14. ~~Ovens (if required) electrically operated, thermostatically controlled upto 110°C Sensitivity 1°C.~~

15. ~~Sieves: as per IS 460-1962 (if required).~~

(iv) ~~I.S. sieves—450mm internal dia, of sizes 100mm, 80mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm, 4.75mm, complete with lid and pan.~~

(v) ~~I.S. sieves—200 internal dia (brass frame) consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns, with lid and pan.~~

16. ~~Sieve shaker capable of 200mm and 300mm dia sieves, manually operated with timing switch assembly.~~

17. ~~Equipment for slump test (if required) slump cone, steel plate, tamping rod, steel scale, scoop.~~

18. ~~Dial gauges (if required), 25mm travel—0.01 mm/division least count—2 nos. 19. Graduate measuring cylinders 200ml capacity—3 nos.~~

20. ~~Enamel trays (for efflorescence test for bricks). (i)—300mm x 250mm x 40mm—2 nos.~~

(ii) ~~Circular plates of 250mm dia—4 nos.~~

LIST OF PREFERRED MAKE OF MATERIALS (FOR CIVIL WORKS)

Make/Brands of Materials and Models approved are listed below. However, equivalent materials and Models of any other Specialized firms may be used, in case it is established that the Makes/brands specified below are not available in the market or for any other reasons, subject to approval of the alternate Make/brand by the Engineer-in-Charge.

S. No.	MATERIALS	PREFERRED MAKE
1.	Structural Steel, Sections	Tata, Jindal, Prakash, Rana Capital, Apollo, Bhushan
2.	Admixture	Fosroc, Hygie Profile, MCBAUCHEMIE, CICO, CHOCKSEY, BASF
3.	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
4.	Injection Grouting	Pidilite (Dr. Fixit), Hygie Profile, FOSROC, CHOCKSEY, DURABUILD
5.	Locks/Latch	Godrej, Dorma, Dorset, Hettich
6.	Laminates	Merino, Greenlam, Duro, Greenply, Century
7.	Stainless steel wire mesh	Sterling enterprises, Trimurty Welded Mesh
8.	Prelaminated MDF Board	Green Penelmax, Merino, Veer, Century
9.	Adhesive	Pidilite, Hygie Profile, Dunlop, Vamorganic CHOCKSEY, DURABUILD
10.	Flush Door Shutters (Decorative/Non Decorative)	Duro, Merino, Century, Greenply
11.	Block Boards, Ply boards	Duro, Century, Greenlam, Greenply
12.	Hydraulic Door Closer/Floorspring	Dorma, Hafele, Hettich, Dorset, Hilti
13.	Panic Exit Device	Ingerrissoll, Geze, Hardwyn, Everest, ASSAABLOY
14.	Aluminium Extruded Profile	Hindalco, Jindal, NALCO
15.	Anodised Aluminium Hardwares (HeavyType)	Hardima, Everite, Sigma (ISI marked), Earl Bihari. Doorace, Dorma
16.	Tempered Glass	Modi Float, Saint Gobain, ASAHI
17.	Polyster Powder Coating Shades	Nerolac, Berger, J & N
18.	Dash/anchoring Fasteners	Hilti/Fischer/Canon/Bosch/Wurth
19.	Friction Stay Hinges	Earl-Bihari, Hettich, Dorset
20.	Steel Nuts, Boltsand Screws	Kundan, Puja, Atul, Wurth
21.	EPDM Gasket	Hanu/Anand
22.	Ceramic Tiles	Nitco, Kajaria, Somany, Simpolo, Orient bell
23.	Vitrified Tiles (DoubleCharged/ Nano Tech) (GVT/ AntiSkid/ Glossy/Mattfinish 1 st Quality).	Nitco, Kajaria, Somany, Simpolo, Orient bell
24.	Terrazzo Tiles	Nitco, Unistone, K.K. Manhole
25.	Chequered Tiles	Nitco, Unistone, K.K. Manhole, Dalal
26.	Fire Check Door	Shakti Hormann Protech, Navair, Bhawani Fire Protection Pvt. Ltd., Saint Gobain
27.	Cement Concrete Tiles	NITCO, Unistone, Dalal, Surendera
28.	Tile Adhesive	CICO, PIDILITE FERROUS, Home Pride, PAMR, Hygie Profile, Fosroc, CHOKSEY, MYK Laticrete
29.	White Cement	Birla White, JK White
30.	Clay Tile on Roof	KENZAI, JOHNSON
31.	CC Pavers	NITCO, Hygie Profile, TUFTEK, K.KPvt.Ltd ,Hindustan Tile, Dalal, Surendera
32.	Water Proofing Paint	Shalimar (Zero Damp), Birla Opus (B 70), Nerolac (No damp)

33	Synthetic Enamel Paint (Premium Quality)	Shalimar (Super Hi Gloss Enamel), Nerolac Synthetic Enamel, Birla Opus(N 52/Sparkle Hi Gloss Enamel)
34	Premium Interior emulsion	Shalimar, Birla Opus, Nerolac
35	Fire Clay Sink & Drain Board	Jaquar, Kohler, Roca.
36	Soil waste & Vent Pipes & fittings (a)Centrifugal Cast iron pipes	NECO, RIF, SKF, HIF, Kapilansh, RPMF
37	LA(CI)Pipes	Electro Steel, Kesoram
38	G.I.Pipes & M.S. Pipe	TATA, JINDAL (Hissar), PrakashSurya
39	MAZZA AC PIPE	A Infrastrcutre, Ltd. Apurva Vinimay P.Ltd. Koanoraia Sugar Gen Mfg Company
40	G.I. Fittings (Malleable CastIron)	UNIK, ICS
41	Gun metal Valves (Full way chech Valves.)	Leader, Zoloto, SANT
42	Stone ware Pipes & Gully Traps	Perfect, Parry, Anand
43	PVC Doors/Windows	Syntex, Rajshri, Jain Doors, Jayna
44	M S pipes	Kirloskar, Electro Steel.
45	C.I. Double Flanged Sluice Valves	Kirloskar, IVS, Burn
46	C.I. Double Flanged Non Return Sluice Valves	Kirloskar
47	C.I. Manhole Covers	RIF,NECO,SKF,RPMF
48	CPVC pipes	Supreme, Prince, Finolex, Astral
49	SS Auto close Hinges	Hettich, Earl-Bihari
50	Ball Valves	Zoloto, IBP, Arco
51	ButterflyValves	Audco or equivalent
52	Unglazed Vitrified Heavy Duty tiles	Johnson-(Endura), Somany-(Dura Stone), Kajaria, Oasis,Vermora,
53	Wooden putty	Shalimar NC putty, Birla putty or equivalent of Nerolac.
54	Spider Fittings	Dorma, Dorset, Hettich, Hafele, Hilti
56	APP	Bitumat co. Ltd., STP, Dermabit Technow NICOL/Torchtar
57	FRP Doors & Frames	Ashoo Model Arts, Selected Product Co., Fiber ways, Jayna Doors of Jain wood Industries, Jain Doors Pvt. Ltd, FRP Bhatt
58	PVC/Synthetic Water Storage Tank	Sintex, Uniplast, Polycon, SPL
59	RMC	ACC, UltraTech (Birla), M/S Antritech Private Limited, Shri Ram Ready Mix Concrete Pvt. Ltd.
60	Indian/European WC, Wash Basin and other Sanitary Installation.	Jaquar, Kohler, Roca, Hindware, CERA
61	C.P. Brass Fittings	Jaquar, Kohler, Roca, Cera
62	Water Proofing compound	CICO, IMPERMO (By Snowcem India Ltd.) PIDILITE, CHOKSEY, HYGIEPROFILE, DURABUILD, Fosroc.
63	Stainless Steel Sink	Jayna, Neelkantha, Nirali, Cera
64	Bevelled Edge Mirror	Saint Gobain,Geze,Modiguard, ASAHI
65	Glass Panes	Modi Guard, Saint Gobin, ASAHI
66	Plaster of Paris	Birla White, JK Cement, Saint Gobain
67	Wall Putty (Waterproof)	Birla waterproof putty, Shalimar waterproof putty
68	Cement	ACC, Birla, Ultratech, J.K, Gujrat Ambuja, M/S Binani Cement.
69	Aluminium hinges	Classic,Argent,Crown
70	Steel Reinforcement (TMT Bars)	Tata, SAIL, RINL, JSPL, JSW
71	Galvanized/Galvalume Profile Sheets	Tata, Jindal, JSW

72	Acrylic Distemper	Shalimar (Number 1 Pad Distemper), Birla Opus (D 20), Nerolac (Beauty Acrylic Distemper).
73	Wall Primer	Shalimar (Shakti primer), Birla Opus (E 10), Nerolac (Nerolac Acrylic primer)
74	Premium Acrylic Exterior Paint with Silicon	Shalimar (Weather Pro Plus super premium emulsion), Nerolac (Excel Total), Birla Opus (E 70)
75	Additives	Nerolac (Suraksha advanced), ICI India Ltd (Weather shield), HUF COR
76	Acoustic Foldable movable partitions	Hafele, Dorma, Azazo, ASSAABLOY
77	Door Fittings	Hafele, Dorma, Godrej, Dorset, Hilti
78	PVC pipes & Fittings	Supreme, Hygie Profile, Finolex, AKG, SPMC
79	Steel Primer	Shalimar, Nerolac, Birla Opus
80	Wood Primer	Shalimar (Universal white primer), Birla Opus (N 10 primer) or equivalent of Nerolac,
81	Plastic Seat covers of W.C.	Commander, Diplomant, Hindware,
82	PVC flushing Cistern	Commander, Hindware (Slimline), Hindustan, Somany.
83	Stainless Steel Railing	Connect Arch. Pvt. Ltd., Jindal S.S. Ltd., Geze, ICICH Inds., ESSAL, Dorma, Dline, KICH
84	C-PVC pipes	Astral, Ashirvad, Prince
85	Stainless Steel hardware fittings	Dorma, Hafele, Godrej, Geze., Dorset
86	Hermitically Sealed Performance glass & Toughened glass.	Saint Gobin, Asahi, Pilington, Viracon (Processed by the me or their approved Processors).
87	Epoxy Paint	Shalimar, Birla Opus, Nerolac.
88	Sanitary Fittings	Kohler, Jaquar, Roca, Cera
89	Textured Exterior Paint	Ultratech, Spectrum, Heritage, Shalimar, UTTPL
90	Gypsum Board	Saint Gobain, anutone, , Hi-steel, Knauf, Bollard
91	Calcium Silicate false ceiling /frame work	Aerolite, Hilux, Armstrong, Western, Diamond
92	Glass Reinforced Jali	UniStone, Dalal, Ultra Tech
93	AAC Blocks/aggregate	Finecrete, Ultra Tech, R S Green
94	Wooden Door Frame and Shutters	Goyle, Jayna, Kutty
95	DI Pipes	Electro steel, Jindal Saw, Tata Metalls
96	Precast kerb stone	DALAL, PAVERINDIA, K.K.
97	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
98	False Access Floor	Unitile, Unifloor, Hewetson
99	Expansion Joint	Hercules, Bizzar, Sanfield, V.R. Engineers.
100	Micro-concrete	Ultratech, Pidilite, Birla
101	Ready-mix cement-based dry plaster	Ultratech, Pidilite, Birla
102	Carpet	Welspun, Miliken, Bentley, Shaw
103	LVT flooring	Welspun, Merino, Argil, Greenlam
104	Wooden veneer ceiling	Duroply, Century Ply, Merino, Greenlam
105	V Baffle suspended false ceiling	Saint Gobain, Hunter Douglas, Diamond, Hi-steel, Knauf, Bollard
106	Open cell ceiling	Saint Gobain, Hunter Douglas, Diamond, Hi-steel, Knauf, Bollard
107	Perforated gypsum board ceiling	Saint Gobain, anutone, , Hi-steel, Knauf, Bollard
108	Microlook soft fibre ceiling	Saint Gobain, Diamond, Aerolite, , Hi-steel, Knauf, Bollard
109	Accoustic glasswool Baffles ceiling	Saint Gobain, Hunter Douglas, Diamond, , Hi-steel, Knauf, Bollard
110	Metal false ceiling	Saint Gobain, Hunter Douglas, Diamond, , Hi-steel,

		Knauf, Bollard
111	Acoustical PET Ceiling Panels	Anutone, Bollard, Uniacoustic, Tranquil, Knauf, Bollard
112	Double glazed glass partition	Saint Gobain , Geze , Bene, Dorma Kaba
113	Lacquered glass	Saint Gobain, Modiguard, Asahi
114	High-Density High-Moisture Resistance board	Action Tesa,. Century Ply, Merino, Greenlam
115	Glass fiber based fibre wall covering	Saint Gobain , Vitrolan , Vescom
116	Wooden louvered Panels	Action Tesa, Century Ply, Merino, Greenlam
117	Modular kitchen cabinets	Godrej, Sleek Kitchens, Spacewood
118	Hardware for kitchen cabinet	Hettich, Hafale, Hilti
119	Access Panel	Saint Gobain, Hunter Douglas, Anutone
120	Toilet cubicle/urinal partitions	Greenlam, Fundermax, Trespa,Merino
121	Acrylic solid surface cladding	Merino, Tristone, Lotte
122	Furniture work	Herman Miller, Godrej, Featherlite, Durian, Haworth, Steel case, Rockworth
123	PET wall panels	Anutone,Uniacoustic, Bollard, Tranquil
124	Frosted film	3M, Artzz Fusion, LG
125	Window blinds	Vista, Hunter Douglas, Deck
126	High Pressure Laminate (HPL)	Century, Trespa, Fundermax
	Structural repair	
127	Alkaline chemical rust remover	Penetron, Xypex, Pidilite, Fosroc, Mapei, BASF, MC Bauchemie
128	Corrosion inhibiting	Fosroc, Pidilite, Mapei
129	CARBON Laminate	BASF, FOSROC, Mapei
130	CARBON FILAMENT	BASF, FOSROC, Mapei
131	epoxy bonding agent	Fosroc, Pidilite, Mapei
132	polymer modified cementitious	BASF, FOSROC, Mapei
133	High strength, non- shrink free flowing grout material	BASF, FOSROC, Mapei
134	Polymer modified cement mortar	Ultratech, Fosroc, Dalmia, Saint Gobain –weber
135	Aluminium Free Expanding Grout	Fluidifier admixture BASF, FOSROC, Mapei
136	High strength 451 GSM CARBONFIBER WRAP 114. BASF, FOSROC, Mapei	BASF, FOSROC, Mapei
137	Anti-corrosive paint	Fosroc, Pidilite, Mapei
138	Pozzolanic additives (0.5% polymer fluidizer)	BASF, FOSROC, Mapei
139	Injection Grouting	Pidilite (Dr. Fixit), FOSROC CHOCKSEY/ DURA BUILD
140	Chemical Fastener	Hilti , Fosroc, Mapie, Sika
141	Micro Concrete work	Fosroc , Mapie, Ultratech
142	Water Proofing compound	Fosroc, Master Builder (BASF), Mapei, MC-bauchemie, Weber, Ardex Endura Pidilite (Dr. Fixit),

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 items or any Extra/Substituted item as per approval and direction of Engineer-in-Charge.

Note:- The makes of various materials as above shall be approved by the Engineer-in-charge in consultation with the NIT approving authority.

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

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

1. Whereas the Executive Engineer, L-Division, CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with (name and address of the contractor) (hereinafter called "the Contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date) as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.
2. We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees only) on demand by the Government within 10 days of the demand.
3. We, (indicate the name of the Bank), do 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 is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees Only)
4. We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We, (indicate the name of the Bank), further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.

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

Date

Witness:-

1. Signature
and address

Authorized signatoryName
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 I, strike out the portion not applicable. Bank Guarantee will be made either for performance guarantee/security deposit/mobilization advance, as the case may

Schedule of Quantity

Name of Work:- Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)

SL.No	Description	Qty	Unit	Rate	Amount
1	Carriage of Materials				
1.1	By Mechanical Transport including loading, unloading and stacking				
1.1.1	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - Item to be applicable in urban areas having directions for restricted hours for movement/plying of load carrying motor vehicle of 3.5 cum or more.	50	cum	494.10	24705
2	EARTH WORK				
2.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.1.1	All kinds of soil.	22	cum	260.30	5727
2.2	Excavating trenches by mechanical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
2.2.1	All kinds of soil				
2.2.1.1	Pipes, cables etc, not exceeding 80 mm dia.	30	metre	215.60	6468
2.3	Excavating holes more than 0.10 cum & upto 0.5 cum including getting out the excavated soil, then returning the soil as required in layers not exceeding 20cm in depth, including consolidating each deposited layer by ramming, watering etc, disposing of surplus excavated soil, as directed within a lead of 50 m and lift upto 1.5 m.				
2.3.1	All kinds of soil	6	each	82.45	495
2.4	Supplying chemical emulsion in sealed containers including delivery as specified.				
2.4.1	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	100	litre	234.75	23475
2.5	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
2.5.1	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.:				
2.5.1.1	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration	200	metre	53.45	10690
2.5.2	Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 cement : 2 coarse sand) to the full depth of the hole :				
2.5.2.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	150	metre	43.00	6450

2.5.3	Treatment at points of contact of wood work by chemical emulsion Chlorpyrifos/ Lindane (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	180	metre	279.70	50346
3	CEMENT CONCRETE (CAST IN SITU)				
3.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
3.1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	23	cum	7878.50	181206
3.1.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	30	cum	6518.60	195558
4	REINFORCED CEMENT CONCRETE				
4.1	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 6 mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits.				
4.1.1	40 mm thick	60	sqm	1706.55	102393
5	MASONRY WORK				
5.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
5.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	5	cum	7370.65	36853
5.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
5.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	5	cum	9344.35	46722
5.3	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
5.3.1	Cement mortar 1:4(1 cement :4 coarse sand)	86	sqm	1123.80	96647
6	CLADDING WORK				
6.1	Marble 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).				
6.1.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble.				
6.1.1.1	Area of slab upto 0.50 sqm	5	sqm	5742.55	28713
6.2	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.				
6.2.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
6.2.1.1	Area of slab upto 0.50 sqm	5	sqm	3414.80	17074
6.2.2	Granite stone slab of colour black, Cherry/Ruby red				
6.2.2.1	Area of slab over 0.50 sqm	40	sqm	5136.30	205452

6.3	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin-based adhesive, including cleaning etc. complete.	20	metre	568.55	11371
6.4	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	5	each	978.70	4894
6.5	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of 300x450mm or 300x600mm or 600 x 600 mm as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	170	sqm	1267.95	215552
7	WOOD AND P. V. C. WORK				
7.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
7.1.1	Second class teak wood	0.54	cum	142949.70	77193
7.2	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note: Butt hinges and necessary screws shall be paid separately)				
7.2.1	Second class teak wood				
7.2.1.1	35 mm thick shutters	20	sqm	4111.95	82239
7.3	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.				
7.3.1	Ply wood 5 ply, 9 mm thick				
7.3.1.1	Decorative plywood both side decorative veneer (Type - I) conforming to IS 1328 BWR type	12	sqm	2724.25	32691
7.3.2	Float glass panes				
7.3.2.1	5.0 mm thick glass panes (weight not less than 12.50 kg/sqm).	4	sqm	2600.45	10402
7.4	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes (weight not less than 10 kg per sqm) fixing with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
7.4.1	Second class teak wood				
7.4.1.1	30 mm thick	10	sqm	4523.40	45234
7.5	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
7.5.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4	sqm	2392.65	9571
7.6	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
7.6.1	Fixed to steel windows by welding	70	kg	219.10	15337
7.7	Providing and fixing IS: 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :				
7.7.1	125x64x2.50 mm	20	each	129.85	2597

7.8	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete.				
7.8.1	65 mm	20	each	362.40	7248
7.9	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
7.9.1	Twin rubber stopper	48	each	72.35	3473
7.1	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25 mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge.	110	sqm	689.40	75834
7.11	Providing and fixing magnetic catcher of approved quality in cupboard/ ward robe shutters, including fixing with necessary screws etc. complete.				
7.11.1	Double strip (horizontal type)	30	each	39.70	1191
7.12	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
7.12.1	1.0 mm thick	40	sqm	897.30	35892
7.13	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws:				
7.13.1	30 mm thick shutters				
7.13.1.1	With ISI marked stainless steel butt hinges of required size				
7.13.1.1.1	Second class teak wood	22	sqm	4692.10	103226
7.14	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge.				

	Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds				
7.14.1	Two track two panels sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
7.14.1.1	Using R3 series with frame (55 mm & above) x (40 mm & above) & sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system (Height upto 1.8m).	6	sqm	8799.25	52796
7.14.2	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
7.14.2.1	Using R3 series with frame (98 mm & above) x (40 mm & above) & both glazed and fly screen sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every glazed panel along with multi-point locking system. (Height upto 1.8m).	52	sqm	10874.20	565458
7.15	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.				
7.15.1	125 mm	100	each	119.20	11920
7.16	Providing and fixing cupboard shutter with 19 mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2 mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge. (Payment of providing and fixing auto closing hinges shall be paid separately)	40	sqm	2829.25	113170
7.17	Providing and fixing 19 mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS : 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc. complete as per direction of Engineer-in- charge.	80	sqm	2593.15	207452
7.18	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge.				
7.18.1	200 mm	10	each	186.65	1867
7.19	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	110	each	272.00	29920
7.2	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per direction of Engineer- in-charge,	25	one set	885.10	22128
7.21	Providing and fixing readymade 304 grade stainless steel Modular kitchen basket and accessories such as right-angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless-steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in- charge. (For payment purpose only weight of Stainless-steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)	60	kg	533.25	31995

8	STEEL WORK				
8.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	500	kg	117.35	58675
8.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	500	kg	133.70	66850
8.3	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
8.3.1	Using M.S. angels 40x40x6 mm for diagonal braces	8	sqm	5804.35	46435
8.4	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
8.4.1	Hot finished welded type tubes	1000	kg	194.40	194400
8.5	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
8.5.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	800	kg	172.60	138080
8.6	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
8.6.1	10 x 80 mm	80	each	137.65	11012
8.6.2	10 x 120 mm	40	each	170.95	6838
8.7	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete.				
8.7.1	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	22	sqm	1133.55	24938
9	FLOORING				
9.1	Chequered terrazzo tiles 22 mm thick with graded marble chips of size up to 6 mm in floors, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete, on 20 mm thick bed of cement mortar 1:4 (1 cement :4 coarse sand) :				
9.1.1	Medium shade pigment using 50% white cement, 50% ordinary cement	100	sqm	1483.60	148360
9.2	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
9.2.1	25 mm thick	70	sqm	1948.25	136378
9.3	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or 400x400mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	55	sqm	1330.00	73150

9.4	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero-chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.				
9.4.1	Glazed vitrified floor tiles polished finish of size				
9.4.1.1	Size of Tile 600 x 600 mm	20	sqm	1502.75	30055
9.4.1.2	Size of Tile 600 x 1200 mm	20	sqm	1798.80	35976
9.4.1.3	Size of Tile 800 x 1200 mm	230	sqm	2056.90	473087
9.4.2	Glazed Vitrified tiles Matt/Antiskid finish of size				
9.4.2.1	Size of Tile 600 x 600 mm	98	sqm	1464.85	143555
9.5	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.				
9.5.1	Size of Tile 600x600 mm	20	sqm	1623.05	32461
10	ROOFING				
10.1	Providing gola 75x75 mm in cement concrete 1:2:4(1 cement :2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement: 3 fine sand) as per standard design :				
10.1.1	In 75x75 mm deep chase	30	metre	305.15	9155
10.2	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement: 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement: 3 fine sand) complete:				
10.2.1	Red sand stone slab				
10.2.1.1	40 to 50 mm thick	10	sqm	1138.20	11382
10.3	Providing and fixing plain multipurpose cement board (High pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid separately).				
10.3.1	6 mm thick Cement fiber board, Type-B, Category-III as per IS: 14862 :2000	10	sqm	921.95	9220
10.4	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
10.4.1	110 mm diameter	36	metre	377.40	13586
10.5	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.				
10.5.1	Coupler				
10.5.1.1	110 mm	5	each	136.15	681
10.5.2	Bend 87.5°				
10.5.2.1	110 mm bend	20	each	150.35	3007
10.6	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement				

	mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
10.6.1	110 mm	25	each	371.30	9283
10.7	Providing and fixing precast galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self-drilling /self-tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	120	sqm	738.65	88638
11	FINISHING				
11.1	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	1400	sqm	262.70	367780
11.2	Distemping 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:				
11.2.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	350	sqm	185.65	64978
11.3	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
11.3.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	500	sqm	171.10	85550
11.4	Finishing walls with ready mixed Premium acrylic emulsion paint (Company Depot Tinted) having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade with silicon additives.				
11.4.1	New work (Two or more coats applied @ 1.43 litre/ 10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	1200	sqm	181.25	217500
11.5	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
11.5.1	Two or more coats on new work	400	sqm	155.90	62360
11.6	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.	2150	sqm	156.05	335508
11.7	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	1000	sqm	25.15	25150
11.8	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
11.8.1	One or more coats on old work	10	sqm	102.80	1028
11.9	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
11.9.1	Old work (Two or more coats applied @ 1.43 V/ 10 sqm) over existing cement paint surface	100	sqm	131.30	13130

11.10	Providing and applying Ready Mix plaster of approved brand and manufacturer, having minimum compressive Strength of 6.0MPa, of specified thickness in one coat on new/old surface of walls/ceiling, using factory produced, pre-blended, premixed, formulated ready,mix mortar supplied in dry form requiring only the addition of water at the site before start of application, and including applying portland cement slurry @0.40K8/Sqm applied on hacked/uneven background such as bare brick/Cc and Block/RCC surface after preperation of surface etc. complete as per manufacturer,s specification finished in smooth line and level at locations and all floors.				
11.10.1	12mm thick	500	sqm	488.80	244400
11.10.2	15mm thick	400	sqm	576.10	230440
12	REPAIRS TO BUILDING				
12.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
12.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	100	sqm	547.40	54740
12.2	Providing and fixing Stainless steel SS grade 304 , curtain rods of wall thickness 1.25mm with two stainless steel brackets fixed with stainless steel screws and wooden plugs etc. wherever necessary complete.				
12.2.1	20 mm diameter.	80	metre	320.75	25660
12.3	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	6	each	433.75	2603
12.4	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	5	each	134.10	671
12.5	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	5	each	429.10	2146
13	DISMANTLING AND DEMOLISHING				
13.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
13.1.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	35	cum	2434.25	85199
13.2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
13.2.1	In cement mortar	3	cum	2060.20	6181
13.3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
13.3.1	Of area 3 sq. metres and below	20	each	367.20	7344
13.4	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
13.4.1	For thickness of tiles 10 mm to 25 mm	424	sqm	73.40	31122
13.5	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	150	sqm	266.45	39968
13.6	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
13.6.1	100 mm dia pipe	20	metre	78.00	1560

13.7	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
13.7.1	15 mm to 40 mm nominal bore	60	metre	149.80	8988
13.8	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	2	each	112.05	224
13.9	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.	1070	sqm	54.65	58476
14	ROAD WORK				
14.1	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/ sq. mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	30	metre	375.80	11274
14.2	Providing and fixing at or near ground level factory made RCC pavement slab of M-30 grade of size 450x450x50 mm, including reinforcement with 6 mm dia M.S. bars 4 nos on each side, including setting in position in footpath to the required level and line over a bed of 20 mm average thick cement mortar 1:5 (1 cement : 5 coarse sand), having joint thickness not more than 5 mm except on curve, including filling of joints with same cement mortar and making grooves etc. complete as per direction of Engineer-in-charge.	200	sqm	1600.55	320110
14.3	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer- in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	1	cum	10117.60	10118
14.4	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100 mm c/c on both ways, neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick, 100 mm wide MS sheet duly painted over priming coat, reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc including cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	5	sqm	3081.95	15410
15	SANITARY INSTALLATIONS				
15.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				

15.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	2	each	6767.40	13535
15.2	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless-steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
15.2.1	Kitchen sink with drain board				
15.2.1.1	510x1040 mm bowl depth 250 mm	2	each	6945.60	13891
15.3	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings :				
15.3.1	Flat back wash basin of size 550x400 mm	2	each	992.60	1985
15.4	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
15.4.1	Flexible pipe				
15.4.1.1	32 mm dia	8	each	119.55	956
15.5	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	5	each	1607.95	8040
15.6	Providing and fixing soil, waste and vent pipes :				
15.6.1	100 mm dia				
15.6.1.1	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	10	metre	1180.75	11808
15.6.2	75 mm diameter :				
15.6.2.1	Centrifugally cast (spun) iron socketed pipe as per IS: 3989	12	metre	1186.00	14232
15.7	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes :				
15.7.1	75 mm dia pipe	10	each	168.20	1682
15.7.2	100 mm dia pipe	6	each	198.15	1189
15.8	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
15.8.1	100 mm dia				
15.8.1.1	Sand cast iron S&S as per IS - 3989	20	each	705.20	14104
15.9	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
15.9.1	100x100x100 mm				
15.9.1.1	Sand cast iron S&S as per IS - 3989	4	each	925.70	3703
15.9.2	75x75x75 mm				
15.9.2.1	Sand cast iron S&S as per IS - 3989	4	each	665.05	2660
15.1	Providing and fixing terminal guard :				
15.10.1	100 mm				
15.10.1.1	Sand cast iron S&S as per IS - 3989	3	each	506.00	1518
15.11	Providing and fixing collar :				
15.11.1	100 mm				
15.11.1.1	Sand cast iron S&S as per IS - 3989	2	each	513.15	1026
15.11.2	75 mm				
15.11.2.1	Sand cast iron S&S as per IS - 3989	3	each	362.05	1086
15.12	Providing and fixing trap of self-cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
15.12.1	100 mm inlet and 100 mm outlet				
15.12.1.1	Sand cast iron S&S as per IS: 3989	20	each	1996.50	39930
15.13	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	6	each	713.20	4279

15.14	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 litre with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect as per directions of Engineer-in-Charge.	4	each	18212.90	72852
16	WATER SUPPLY				
16.1	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				
16.1.1	15 mm dia nominal bore	88	metre	366.40	32243
16.1.2	20 mm dia nominal bore	56	metre	437.30	24489
16.2	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, including making good the walls etc. concealed pipe, including painting with anti-corrosive bitumastic paint, cutting chases and making good the wall :				
16.2.1	15 mm dia nominal bore	20	metre	580.45	11609
16.2.2	20 mm dia nominal bore	56	metre	635.20	35571
16.3	Providing and fixing brass stop cock of approved quality :				
16.3.1	15 mm nominal bore	10	each	353.25	3533
16.4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
16.4.1	25 mm nominal bore	10	each	622.40	6224
16.5	Providing and fixing uplasticised PVC connection pipe with brass unions :				
16.5.1	45 cm length				
16.5.1.1	15 mm nominal bore	20	each	97.75	1955
16.6	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :				
16.6.1	15 mm diameter pipe	88	metre	19.40	1707
16.6.2	20 mm diameter pipe	56	metre	23.25	1302
16.7	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work)				
16.7.1	15 mm nominal bore	14	each	318.35	4457
16.7.2	20 mm nominal bore	8	each	346.80	2774
16.8	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	7000	per litre	11.00	77000
16.9	Providing and fixing C.P. Brass extension nipple (size 15 mm x 50 mm) of approved make and quality as per direction of Engineer-in-charge.	20	each	74.80	1496
16.1	Cutting holes up to 30x30 cm in walls including making good the same:				
16.10.1	With common burnt clay F.P.S. (non modular) bricks	20	each	416.80	8336
17	DRAINAGE				
17.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
17.1.1	100x100 mm size P type				
17.1.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6	each	2707.65	16246

17.2	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
17.2.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
17.2.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	each	12770.55	25541
18	ALUMINIUM WORK				
18.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
18.1.1	For fixed portion				
18.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	80	kg	530.90	42472
18.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
18.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	25	kg	634.45	15861
18.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):				
18.2.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	10	sqm	1505.25	15053
18.3	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
18.3.1	Upto 5 mm depth and 5 mm width	20	metre	96.75	1935
19	NEW TECHNOLOGIES AND MATERIALS				

19.1	Providing and fixing in position factory made non asbestos fibre reinforced aerated cement sandwich wall/roof/floor light weight solid core panels made of light weight cement concrete core composed of OPC cement, pulverized flyash, quick lime, cotton pulp & Gypsum in mortar state mixed with aeration agent in a preset mould. The outer face on both sides of the panels will be non asbestos fibre cement board confirming to IS :14862:2000. These solid wall panels are installed using Galvanized iron steel tracks/C channel of 1 mm thick of required sizes as recommended by manufacturer's and fixed to floor and RCC soffit in plumb to each other with steel screw/fasteners. The panel shall be fixed vertically with tongue & groove joint with cement based polymer modified jointing compound. The exposed surface finished with fibre mesh/glass fibre tape with polymer based jointing compound having superior flexibility. Panels should be used as floor & roofing with additional structural support, steel or RCC depending upon the design. All the operation shall be completed in all respect as per drawings, Manufacturers specifications and under the overall direction of Engineer-in-Charge (Cost of all the material is included except "tracks/C channel" which will be paid separately).				
19.1.1	Non load bearing panels 50 mm thick of required size (minimum 4 mm thick fibre cement board Type A, Category IV as per IS: 14862:2000 on both faces)	25	sqm	2068.25	51706
19.2	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom/kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non-toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-In- Charge. (Note: stainless steel screws shall be paid separately)				
19.2.1	6 mm thick	50	sqm	1099.35	54968
				Total	7549399
				Modified Estimated Cost after using correction factor on account of GST @ 0.973	7345565
				Add Cost Index @ 4.03%	296026
				Total	7641591
20	MISCELLANEOUS ITEMS				
20.1	Providing and fixing of overall WPC false ceiling demand Sharper, D-spaze) 203mm wide 9mm Thick wall using water proof silicon adhesive directly on the wall, fixing with silicon adhesive, nailing wherever required adequate finishing with adjacent element, tripping, jointing, making proper edges and fixing L-profile where ever required for finishing purpose to complete as per direction of Engineer-in-charge. WPC wall panels as per sample approved. (Payment of L-profile shall be made extra)	131	Sqm	3225.05	422482
20.2	Providing and fixing in position Aluminium composite panel cladding, with open grooves for linear as well as curvilinear portions of the Porch and similar locations for all heights and all levels etc. including:				

	(a) Preparation of shop drawings to show the layout of groover and arrangement of proper drainage of water to make it watertight. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers cleats weather silicone sealant, backer rods etc.				
	(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing the item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled aluminium composite panel cladding, cleaning and protection of the aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The contractor shall provide aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminium composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	26	Sqm	3108.61	80824
20.3	Providing and fixing 12mm thick clear toughened glass in doors, windows, ventilators, railing, partitions, frameless shower enclosure etc. with EPDM rubber / neoprene gasket, stainless screws etc. complete as per direction of Engineer-in-charge.	30	sqm	3656.55	109697
20.4	Providing and fixing Stainless Steel Jali/Trap Floor Drain Chrome Polish (Mini - Overall Size : 102 x 102 mm (4 X 4 inch) with or without vent holes of standard make as approved by Engineer-in-charge.	20	each	120.55	2411
20.5	Providing and fixing Oval type wash basin of Size: 560x430x195 mm of Category No. FLS-WHT-5701 of Jaquar or equivalent make including making all connections but excluding the cost of fittings etc. complete as per direction of Engineer-in-charge.	2	each	3063.15	6126
20.6	Providing and fixing CP Brass Anguler stop cock with CP Wall flange cap for jet in toilets of category No. VGP- 81053 of Jaquar or equivalent make etc. complete as per the direction of Engineer-in-charge. (a) 15 mm nominal bore	30	each	1069.65	32090
20.7	Providing and fixing Corner glass shelf of size 290 mm with CP railing, brackets and MS screws of Category No. ACN-1173 of Jaquar or equivalent make etc. complete as per direction of Engineer -in-charge.	6	each	1311.60	7870
20.8	Providing and fixing C P brass hand shower (Health Faucet) including 8 mm dia 1-meter-long flexible tube and wall hooks with NVR (Back flow preventer) etc. of category No. ALD-577 of Jaquar or equivalent make etc. complete as per direction of Engineer in Charge.	5	each	1531.55	7658
20.9	Providing and fixing C P brass towel rail 600 mm long with bracket and CP brass screws of category No. ACN-1111SM of Jaquar or equivalent of make etc. complete as per direction of Engineer in Charge.	3	each	1267.60	3803

20.10	Providing and fixing C P brass towel ring round complete with CP brass screws of category No. ACN-1121BN of Jaquar or equivalent make etc. complete as per direction of Engineer in Charge.	3	each	937.65	2813
20.11	Providing and fixing CP brass soap dish of CAT No. ACN 1131N of Jaquar or equivalent make etc. complete as per direction of Engineer-in-Charge	6	each	717.70	4306
20.12	Providing & fixing C.P. Brass Single Lever Basin Mixer with aerator and without pop up waste system with 450mm long braided hoses CAT No. VGP-81011B of Jaquar or equivalent make as per the direction of engineer-in-charge.	4	each	4281.05	17124
20.13	Providing & fixing of CP brass Toilet paper holder with wall flange of CAT No.- ACN-1151N of Jaquar or equivalent make as per direction of Engineer-in-charge.	3	each	695.75	2087
20.14	Providing and fixing of C.P. brass overhead Shower 200x200 mm, with long shower arm and wall flange of (Model OHS-1619 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	3	each	4677.00	14031
20.15	Providing and Fixing C P brass single lever Sink Mixer with Swinging spout on upper side (wall mounted model) with connecting legs aerator and wall flange (Brand model VGP- 81165 of Jaquar or equivalent) make as per direction of Engineer-in-charge.	2	each	4589.00	9178
20.16	Providing and Fixing C.P. brass 2 way bib cock with aerator and wall flange Model VGP-81041 of Jaquar or equivalent make as per direction of Engineer-in-charge.	3	each	2147.45	6442
20.17	Providing and Fixing C.P. brass Towel Rack 600mm Long with Lower Hangers, Stainless Steel (Model No. AKP-CHR-35781PS of Jaquar or equivalent) make as per direction of Engineer-in-charge.	3	each	3621.20	10864
20.18	Providing and fixing Thin Rim Table Top Basin of Size: 530x420x140 mm, Shape - Rectangular of Category No. DS-WHT-25907N of Jaquar or equivalent make including making all connections but excluding the cost of fittings etc. complete as per direction of Engineer-in-charge.	3	each	6084.70	18254
20.19	Providing and fixing CP brass single lever high flow concealed diverter full system of Jaquar category No. ALD- 079N with exposed part kit of diverter category No. VGP- 8179NK or required make complete as per direction of Engineer-in-charge.	3	each	4545.00	13635
20.20	Providing and Fixing C.P. brass Long Body Bib Cock with Wall Flange, Stainless Steel (Model No. CON-107KN of Jaquar or equivalent) make as per direction of Engineer-in-charge.	5	each	1421.60	7108
20.21	Providing and fixing CP Brass mixer with aerator and telephonic shower arrangement, connecting glegs & nuts, adjustable legs and CP wall flange cap etc. category No. CON-267KN of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	3	each	4545.00	13635
20.22	Providing and fixing Concealed Body of Flush Cock Suitable for 25mm Pipe Line with Protection Cap (without Exposed Parts) category No. ALD-081 of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	6	each	1377.60	8266
20.23	Providing and fixing Exposed Part Kit of Concealed Stop Cock & Flush Cock with Fitting Sleeve, Operating Lever & Adjustable Wall Flange category No. VGP-81083 of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	6	each	519.75	3119
20.24	Providing and fixing Waste Coupling 32mm Size Full Thread with 130mm height category No. ALD-705L130 of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	5	each	453.75	2269
20.25	Providing and fixing C.P. brass shower arm 600mm long with wall flange cat.-SHA- 455L600 of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	3	each	2279.45	6838

20.26	Providing and fixing Wash Basin With Pedestal type wash basin of Size: 565x440x210 mm of Category No. FLS-WHT-5801 of Jaquar or equivalent make etc. complete as per direction of Engineer-in-charge.	2	each	4571.40	9143
20.27	Rubbing, Scrubbing/Washing and cleaning, polishing the existing old mosaic marble, kota stone flooring, Dado skirting, risers of steps, treads of steps, landing etc. to granolithic finish scrubbing with the machine and cleaning powder etc complete upto the satisfaction and direction of Engineer-in-charge.	10	Sqm	89.85	899
20.28	Providing and fixing stainless steel sliding door bolts, of category no ALDSM SS 304 of dorset or equivalent make with nuts and stainless-steel screws etc. complete as per direction of Engineer-in-charge.				
20.28.1	300x16 mm	10	each	1277.90	12779
20.28.2	250x16 mm	35	each	1020.50	35718
20.29	Providing and fixing stainless steel tower bolts of category no TS-1010 SS 304 of dorset or equivalent make with nuts and stainless-steel screws etc. complete as per direction of Engineer-in-charge.				
20.29.1	250x10 mm	50	each	561.90	28095
20.30	Providing and fixing stainless steel tower bolts of category no TS-810 SS 304 of dorset or equivalent make with nuts and stainless-steel screws etc. complete as per direction of Engineer-in-charge.				
20.30.1	200x10 mm	20	each	457.50	9150
20.31	Providing and fixing stainless steel tower bolts of category no TS-610 SS 304 of dorset or equivalent make with nuts and stainless-steel screws etc. complete as per direction of Engineer-in-charge.				
20.31.1	150x10 mm	10	each	347.35	3474
20.32	Providing and fixing stainless steel handles, with nuts and stainless-steel screws etc. complete as per direction of Engineer-in-charge.				
20.32.1	125 mm	50	each	120.25	6013
20.32.2	100 mm	30	each	61.90	1857
20.33	Credit for dismantled unserviceable material received from dismantling which shall be the property of contractor and shall be handed over to him after duly measured/weighed for disposal at his own level(nothing extra shall be paid on account of dismantling etc).				
20.33.1	wooden windows shutters	30	each	-250.00	-7500
20.33.2	wooden doors shutters	20	each	-350.00	-7000
20.33.3	Plastic items such as PVC cistern, bib cocks, stop cocks etc	60	Kg	-18.00	-1080
20.33.4	SCI pipe and fitting, CI cistern, GI pipes and fittings, steel doors, windows, ventilators, grill round, steel bars etc.	200	Kg	-30.00	-6000
20.33.5	Brass/CP Brass fittings	40	Kg	-350.00	-14000
20.33.6	Aluminium section/ Aluminium fitting etc.	30	Kg	-150.00	-4500
		Total (B)			879978
		Total (A+B)			8521569

Assistant Engineer(P)
L-Division, CPWD,
I.P.Bhawan, New Delhi

Executive Engineer
L-Division, CPWD,
I.P.Bhawan, New Delhi

FINANCIAL BID

(Performa for Quoting the Rates)

CENTRAL PUBLIC WORKS DEPARTMENT					
NIT NO. 26/EE/L-Divn./2026-27.					
Name of work: - Upgradation work for Residential Accommodation on Canning Lane under 1L TG Lane sub division under L- Division, CPWD, New Delhi during 2026-27 (SH: Renovation and repair of kitchen, toilets, floors, cupboards, doors, windows, damaged sewer line and other misc. civil works.)					
SCHEDULE OF QUANTITY					
S. No.	Name of Components	Estimated Cost (Rs.)	Percentage above or below on the Estimated Cost	%age in Figures	Total Cost (Rs.)
1	Civil work	Rs. 85,21,569/-			
	Total	Rs. 85,21,569/-			

Contractor